WEBVTT

NOTE duration:"03:26:46.1440000"

NOTE language:en-us

NOTE Confidence: 0.86626744

00:00:00.000 --> 00:00:02.604 So might as well start on time,

NOTE Confidence: 0.86626744

00:00:02.610 --> 00:00:04.626 but thank you everyone so much

NOTE Confidence: 0.86626744

00:00:04.626 --> 00:00:06.929 for joining us and happy Friday.

NOTE Confidence: 0.86626744

00:00:06.930 --> 00:00:08.234 My name is Alex.

NOTE Confidence: 0.86626744

00:00:08.234 --> 00:00:10.692 I'm one of the cancer genetic counselors

NOTE Confidence: 0.86626744

00:00:10.692 --> 00:00:13.320 here at Yale, New Haven Health,

NOTE Confidence: 0.86626744

00:00:13.320 --> 00:00:16.020 and I'll be your moderator today.

NOTE Confidence: 0.86626744

00:00:16.020 --> 00:00:19.629 Anne. We are so excited to have you all

NOTE Confidence: 0.86626744

00:00:19.629 --> 00:00:23.050 here for genetic counselor for a day.

NOTE Confidence: 0.86626744

00:00:23.050 --> 00:00:25.946 We've been working on this for months now,

NOTE Confidence: 0.86626744

00:00:25.950 --> 00:00:29.199 so we're excited to share this all with you,

NOTE Confidence: 0.86626744

00:00:29.200 --> 00:00:31.372 and that's whether you just heard

NOTE Confidence: 0.86626744

00:00:31.372 --> 00:00:32.820 about genetic counseling yesterday,

NOTE Confidence: 0.86626744

00:00:32.820 --> 00:00:34.595 or you're already preparing your

NOTE Confidence: 0.86626744

00:00:34.595 --> 00:00:35.660 genetic counseling application

NOTE Confidence: 0.86626744

00:00:35.660 --> 00:00:37.170 for the upcoming cycle.

NOTE Confidence: 0.86626744

00:00:37.170 --> 00:00:41.850 We really hope that this event can serve as.

NOTE Confidence: 0.86626744

00:00:41.850 --> 00:00:43.873 A good solid foundation for what the

NOTE Confidence: 0.86626744

00:00:43.873 --> 00:00:45.928 profession is and what it has to offer.

NOTE Confidence: 0.86626744

00:00:45.930 --> 00:00:48.106 And of course, how did they get there.

NOTE Confidence: 0.86626744

00:00:48.110 --> 00:00:49.190 If you want to.

NOTE Confidence: 0.8842011

00:00:52.420 --> 00:00:54.808 As promised, very jam packed schedule.

NOTE Confidence: 0.8842011

00:00:54.810 --> 00:00:57.066 The first part of our event

NOTE Confidence: 0.8842011

00:00:57.066 --> 00:00:59.485 today will focus more on kind

NOTE Confidence: 0.8842011

00:00:59.485 --> 00:01:01.570 of what genetic counseling is,

NOTE Confidence: 0.8842011

00:01:01.570 --> 00:01:03.560 what different specialties there are,

NOTE Confidence: 0.8842011

00:01:03.560 --> 00:01:06.384 followed by a 15 minute break and then

NOTE Confidence: 0.8842011

00:01:06.384 --> 00:01:09.365 the second half is more so focused

NOTE Confidence: 0.8842011

00:01:09.365 --> 00:01:11.125 on genetic counseling programs.

NOTE Confidence: 0.8842011

00:01:11.130 --> 00:01:13.470 What to expect in Graduate School

NOTE Confidence: 0.8842011

00:01:13.470 --> 00:01:16.304 and will wrap up with a question

NOTE Confidence: 0.8842011

00:01:16.304 --> 00:01:19.090 and answer session at the very end.

NOTE Confidence: 0.89823824

00:01:24.470 --> 00:01:26.716 As we go through our presentations today,

NOTE Confidence: 0.89823824

00:01:26.720 --> 00:01:28.325 I'm sure you'll have lots

NOTE Confidence: 0.89823824

00:01:28.325 --> 00:01:29.288 of different questions,

NOTE Confidence: 0.89823824

00:01:29.290 --> 00:01:31.397 so do feel free to write them

NOTE Confidence: 0.89823824

00:01:31.397 --> 00:01:33.777 in the chat and if time allows,

NOTE Confidence: 0.89823824

00:01:33.780 --> 00:01:35.824 I will be posing a couple of

NOTE Confidence: 0.89823824

00:01:35.824 --> 00:01:37.804 questions to each of our speakers

NOTE Confidence: 0.89823824

00:01:37.804 --> 00:01:39.880 at the end of their presentation.

NOTE Confidence: 0.89823824

00:01:39.880 --> 00:01:41.100 But as mentioned before,

NOTE Confidence: 0.89823824

00:01:41.100 --> 00:01:44.048 if we aren't able to get to your question,

NOTE Confidence: 0.89823824

00:01:44.050 --> 00:01:45.705 we'll have a fairly generous

NOTE Confidence: 0.89823824

00:01:45.705 --> 00:01:48.338 amount of time at the end of our

NOTE Confidence: 0.89823824

00:01:48.338 --> 00:01:50.150 event to wrap things up there.

NOTE Confidence: 0.89830464

00:01:53.510 --> 00:01:55.995 Finally, a shameless plug for your feedback.

NOTE Confidence: 0.89830464

00:01:56.000 --> 00:01:58.624 This is only the second year that we've

NOTE Confidence: 0.89830464

00:01:58.624 --> 00:02:01.675 done the genetic counselor for a day event,

NOTE Confidence: 0.89830464

00:02:01.680 --> 00:02:04.158 so we're absolutely looking for ways to

NOTE Confidence: 0.89830464

00:02:04.160 --> 00:02:06.546 improve and to continue to improve as

NOTE Confidence: 0.89830464

00:02:06.546 --> 00:02:09.489 we host this event in the coming years.

NOTE Confidence: 0.89830464

00:02:09.490 --> 00:02:12.676 So at the end, or maybe sometime next week,

NOTE Confidence: 0.89830464

00:02:12.680 --> 00:02:15.263 we'll be sending out a survey with

NOTE Confidence: 0.89830464

00:02:15.263 --> 00:02:17.452 questions about your thoughts on the

NOTE Confidence: 0.89830464

00:02:17.452 --> 00:02:20.140 program and what you would like to see.

NOTE Confidence: 0.89830464

00:02:20.140 --> 00:02:21.444 What you didn't see.

NOTE Confidence: 0.89830464

00:02:21.444 --> 00:02:23.840 And we'll also be recording the event,

NOTE Confidence: 0.89830464

00:02:23.840 --> 00:02:25.658 so if you complete our survey,

NOTE Confidence: 0.89830464

00:02:25.660 --> 00:02:27.948 you can have a link to the recording

NOTE Confidence: 0.89830464

00:02:27.948 --> 00:02:30.186 of the event, and that's for whether

NOTE Confidence: 0.89830464

00:02:30.186 --> 00:02:32.650 you are able to stay for the entire

NOTE Confidence: 0.89830464

00:02:32.650 --> 00:02:35.042 duration or just a small part of it.

NOTE Confidence: 0.89830464

00:02:35.050 --> 00:02:36.570 But thank you in advance.

NOTE Confidence: 0.8516884

00:02:39.110 --> 00:02:41.910 And I have to say that the views

NOTE Confidence: 0.8516884

00:02:41.910 --> 00:02:43.590 and opinions expressed in these

NOTE Confidence: 0.8516884

00:02:43.660 --> 00:02:46.198 presentations are those of the speakers,

NOTE Confidence: 0.8516884

00:02:46.200 --> 00:02:48.065 and they don't necessarily reflect

NOTE Confidence: 0.8516884

00:02:48.065 --> 00:02:49.930 the official policy of Yale,

NOTE Confidence: 0.8516884

00:02:49.930 --> 00:02:51.046 New Haven Health,

NOTE Confidence: 0.8516884

00:02:51.046 --> 00:02:53.278 the National Society of Genetic Counselors,

NOTE Confidence: 0.8516884

00:02:53.280 --> 00:02:55.518 and or other genetic counseling programs.

NOTE Confidence: 0.8516884

00:02:55.520 --> 00:02:56.944 So, without further ado,

NOTE Confidence: 0.8516884

00:02:56.944 --> 00:02:59.630 I'll turn it over to Amanda Ganzak,

NOTE Confidence: 0.8516884

00:02:59.630 --> 00:03:03.627 who will be talking more about the.

NOTE Confidence: 0.8516884

00:03:03.630 --> 00:03:05.240 Giving us some background about

NOTE Confidence: 0.8516884

00:03:05.240 --> 00:03:06.528 the genetic counseling profession.

NOTE Confidence: 0.8230405

00:03:14.870 --> 00:03:16.194 Alright, there we go.

NOTE Confidence: 0.8230405

00:03:16.194 --> 00:03:17.428 I'm Amanda. Ganzak Anne.

NOTE Confidence: 0.8230405

00:03:17.428 --> 00:03:20.147 I'm so happy to be here and welcome everyone

NOTE Confidence: 0.8230405

00:03:20.147 --> 00:03:22.475 for participating in our event today.

NOTE Confidence: 0.8230405

00:03:22.480 --> 00:03:24.586 What I hope to do is give us a

NOTE Confidence: 0.8230405

00:03:24.586 --> 00:03:27.271 little bit of sort of groundwork and

NOTE Confidence: 0.8230405

00:03:27.271 --> 00:03:28.863 provide some baseline information

NOTE Confidence: 0.8230405

00:03:28.931 --> 00:03:31.013 about the field of genetic counseling

NOTE Confidence: 0.8230405

00:03:31.013 --> 00:03:33.403 before we sort of break out into

NOTE Confidence: 0.8230405

00:03:33.403 --> 00:03:35.389 some of the sub specialties here.

NOTE Confidence: 0.8230405

00:03:35.390 --> 00:03:36.714 With our lucky genetic

NOTE Confidence: 0.8230405

00:03:36.714 --> 00:03:37.707 counselors representing Yale,

NOTE Confidence: 0.8230405

00:03:37.710 --> 00:03:40.027 New Haven Health and Yale Medicine today.

NOTE Confidence: 0.85036254

00:03:42.320 --> 00:03:45.330 So I wanted to 1st give you a little bit

NOTE Confidence: 0.85036254

00:03:45.406 --> 00:03:48.110 about my background so I am a graduate

NOTE Confidence: 0.85036254

00:03:48.110 --> 00:03:50.899 of the Arcadia University program,

NOTE Confidence: 0.85036254

00:03:50.900 --> 00:03:53.434 which is now become the University of

NOTE Confidence: 0.85036254

00:03:53.434 --> 00:03:55.000 Pennsylvania genetic counseling program.

NOTE Confidence: 0.85036254

00:03:55.000 --> 00:03:57.130 I, upon graduation, worked at MD

NOTE Confidence: 0.85036254

00:03:57.130 --> 00:03:59.110 Anderson Cancer Center in Houston,

NOTE Confidence: 0.85036254

00:03:59.110 --> 00:04:01.174 TX and particularly in the logic

NOTE Confidence: 0.85036254

00:04:01.174 --> 00:04:03.827 oncology department as a part of their

NOTE Confidence: 0.85036254

00:04:03.827 --> 00:04:05.447 clinical cancer genetics program.

NOTE Confidence: 0.85036254

00:04:05.450 --> 00:04:08.051 And so I worked also very closely with the

NOTE Confidence: 0.85036254

00:04:08.051 --> 00:04:10.670 UTI genetic counseling training program.

NOTE Confidence: 0.85036254

00:04:10.670 --> 00:04:12.242 While I was there.

NOTE Confidence: 0.85036254

00:04:12.242 --> 00:04:14.263 As well, I then transitioned

NOTE Confidence: 0.85036254

00:04:14.263 --> 00:04:16.318 to the Hospital of University

NOTE Confidence: 0.85036254

00:04:16.318 --> 00:04:17.900 of Pennsylvania and worked,

NOTE Confidence: 0.85036254

00:04:17.900 --> 00:04:20.744 and the cancer Risk Assessment Program

NOTE Confidence: 0.85036254

00:04:20.744 --> 00:04:23.440 and the Bassar Center for BRCA.

NOTE Confidence: 0.85036254

00:04:23.440 --> 00:04:26.304 And then joined the team here at Yale,

NOTE Confidence: 0.85036254

00:04:26.310 --> 00:04:28.230 New Haven Health in 2017 and

NOTE Confidence: 0.85036254

00:04:28.230 --> 00:04:29.990 currently serve as a lead

NOTE Confidence: 0.85036254

00:04:29.990 --> 00:04:32.055 genetic counselor in the program.

NOTE Confidence: 0.8768205

00:04:34.760 --> 00:04:36.746 So what is a genetic counselor?

NOTE Confidence: 0.8768205

00:04:36.750 --> 00:04:39.182 You know, I'm sure you guys landed here

NOTE Confidence: 0.8768205

00:04:39.182 --> 00:04:41.673 because part of what you Googled or heard

NOTE Confidence: 0.8768205

00:04:41.673 --> 00:04:44.059 about the field sounded pretty interesting.

NOTE Confidence: 0.8768205

00:04:44.060 --> 00:04:46.994 But you know, whenever you go into some type

NOTE Confidence: 0.8768205

00:04:46.994 --> 00:04:50.024 of a social event or you so you're asked,

NOTE Confidence: 0.8768205

00:04:50.030 --> 00:04:52.686 you know what do you do as it?

NOTE Confidence: 0.8768205

00:04:52.690 --> 00:04:54.018 As for your job.

NOTE Confidence: 0.8768205

00:04:54.018 --> 00:04:55.678 And I say genetic counselor.

NOTE Confidence: 0.8768205

00:04:55.680 --> 00:04:57.040 Usually people look sideways

NOTE Confidence: 0.8768205

00:04:57.040 --> 00:04:59.330 and have no clue what that is.

NOTE Confidence: 0.8768205

00:04:59.330 --> 00:05:01.698 So I thought this was a rather funny

NOTE Confidence: 0.8768205

00:05:01.698 --> 00:05:03.502 representation of the various types

NOTE Confidence: 0.8768205

00:05:03.502 --> 00:05:05.038 of interpretations people make.

NOTE Confidence: 0.8768205

00:05:05.040 --> 00:05:07.640 Or assume when they hear what it is

NOTE Confidence: 0.8768205

00:05:07.640 --> 00:05:10.378 that I do as a genetic counselor,

NOTE Confidence: 0.8768205

00:05:10.380 --> 00:05:12.340 so everything from making the

NOTE Confidence: 0.8768205

00:05:12.340 --> 00:05:15.009 perfect baby to working in a lab to,

NOTE Confidence: 0.8768205

00:05:15.010 --> 00:05:17.140 you know, extracting an altering DNA.

NOTE Confidence: 0.8768205

00:05:17.140 --> 00:05:19.330 So all of those things aren't

NOTE Confidence: 0.8768205

00:05:19.330 --> 00:05:21.060 necessarily really what we do,

NOTE Confidence: 0.8768205

00:05:21.060 --> 00:05:22.740 and it's probably quite different

NOTE Confidence: 0.8768205

00:05:22.740 --> 00:05:24.980 than that and hard to explain,

NOTE Confidence: 0.8768205

00:05:24.980 --> 00:05:27.868 so I hope after today you all understand

NOTE Confidence: 0.8768205

00:05:27.868 --> 00:05:31.260 a lot more about what it is to be

NOTE Confidence: 0.8768205

00:05:31.260 --> 00:05:33.808 a genetic counselor and what our

NOTE Confidence: 0.8768205

00:05:33.808 --> 00:05:36.068 day-to-day job really looks like.

NOTE Confidence: 0.8768205

00:05:36.070 --> 00:05:38.560 So what is a genetic counselor?

NOTE Confidence: 0.8768205

00:05:38.560 --> 00:05:41.465 Let's look at sort of the the

NOTE Confidence: 0.8768205

00:05:41.465 --> 00:05:42.295 definition here.

NOTE Confidence: 0.8768205

00:05:42.300 --> 00:05:44.420 So genetic counselors are health

NOTE Confidence: 0.8768205

00:05:44.420 --> 00:05:46.116 care professionals with advanced

NOTE Confidence: 0.8768205

00:05:46.116 --> 00:05:48.171 training and medical genetics and

NOTE Confidence: 0.8768205

00:05:48.171 --> 00:05:49.806 counseling who educate, guide,

NOTE Confidence: 0.8768205

00:05:49.806 --> 00:05:50.262 empower,

NOTE Confidence: 0.8768205

00:05:50.262 --> 00:05:52.086 and support patients seeking

NOTE Confidence: 0.8768205

00:05:52.086 --> 00:05:53.910 information about inherited diseases

NOTE Confidence: 0.8768205

00:05:53.976 --> 00:05:56.342 and conditions in order to provide a

NOTE Confidence: 0.8768205

00:05:56.342 --> 00:05:58.341 better understanding of how genetic

NOTE Confidence: 0.8768205

00:05:58.341 --> 00:05:59.727 information impacts patients,

NOTE Confidence: 0.8768205

00:05:59.730 --> 00:06:02.628 lives and lives of their family members.

NOTE Confidence: 0.8768205

00:06:02.630 --> 00:06:06.074 OK, so let's unpack all of this.

NOTE Confidence: 0.8768205

00:06:06.080 --> 00:06:08.132 Really a lot of what genetic

NOTE Confidence: 0.8768205

00:06:08.132 --> 00:06:09.946 counselors do is translate complex

NOTE Confidence: 0.8768205

00:06:09.946 --> 00:06:12.190 genetic information in a way that

NOTE Confidence: 0.8768205

00:06:12.190 --> 00:06:14.309 the average person can understand,

NOTE Confidence: 0.8768205

00:06:14.310 --> 00:06:16.858 digest and really be able to apply

NOTE Confidence: 0.8768205

00:06:16.858 --> 00:06:19.200 what they learned in terms of what

NOTE Confidence: 0.8768205

00:06:19.200 --> 00:06:21.598 their risk might be for a genetic

NOTE Confidence: 0.8768205

00:06:21.598 --> 00:06:23.278 or hereditary condition.

NOTE Confidence: 0.8768205

00:06:23.280 --> 00:06:25.260 To make choices about their medical

NOTE Confidence: 0.8768205

00:06:25.260 --> 00:06:27.410 care as well as understand what

NOTE Confidence: 0.8768205

00:06:27.410 --> 00:06:29.702 that risk might mean for their

NOTE Confidence: 0.8768205

00:06:29.702 --> 00:06:31.890 children and other family members.

NOTE Confidence: 0.8587808

00:06:34.730 --> 00:06:37.131 But a genetic counselor shop is not

NOTE Confidence: 0.8587808

00:06:37.131 --> 00:06:39.658 merely to explain complex test findings,

NOTE Confidence: 0.8587808

00:06:39.660 --> 00:06:42.724 it's also to help patients chart a course

NOTE Confidence: 0.8587808

00:06:42.724 --> 00:06:46.237 for how to use that knowledge proactively.

NOTE Confidence: 0.8587808

00:06:46.240 --> 00:06:49.256 And there was a task force created in

NOTE Confidence: 0.8587808

00:06:49.256 --> 00:06:52.981 22,003 as part of the National Society of

NOTE Confidence: 0.8587808

00:06:52.981 --> 00:06:56.095 Genetic Counselors to really help develop

NOTE Confidence: 0.8587808

00:06:56.095 --> 00:06:58.845 a definition of genetic counseling.

NOTE Confidence: 0.8587808

00:06:58.850 --> 00:07:01.970 And so they have defined this as a

NOTE Confidence: 0.8587808

00:07:01.970 --> 00:07:04.494 process of helping people understand

NOTE Confidence: 0.8587808

00:07:04.494 --> 00:07:07.254 and adapt to the medical,

NOTE Confidence: 0.8587808

00:07:07.260 --> 00:07:09.128 psychological and familial implications

NOTE Confidence: 0.8587808

00:07:09.128 --> 00:07:11.930 of the genetic contributions to disease.

NOTE Confidence: 0.8587808

00:07:11.930 --> 00:07:14.550 And that process really integrates

NOTE Confidence: 0.8587808

00:07:14.550 --> 00:07:17.170 interpreting medical and family histories

NOTE Confidence: 0.8587808

00:07:17.242 --> 00:07:19.450 to assess the chance of disease.

NOTE Confidence: 0.8587808

00:07:19.450 --> 00:07:22.418 Occurrence or re occurrence within a family.

NOTE Confidence: 0.8587808

00:07:22.420 --> 00:07:25.410 To educate about the inheritance

NOTE Confidence: 0.8587808

00:07:25.410 --> 00:07:28.006 testing options, medical management,

NOTE Confidence: 0.8587808

00:07:28.006 --> 00:07:30.798 prevention resources and research.

NOTE Confidence: 0.8587808

00:07:30.800 --> 00:07:33.257 And the counseling is to really help

NOTE Confidence: 0.8587808

00:07:33.257 --> 00:07:34.938 promote informed choices in patients

NOTE Confidence: 0.8587808

00:07:34.938 --> 00:07:36.912 and how to help that patient adapt

NOTE Confidence: 0.8587808

00:07:36.912 --> 00:07:38.812 to that risk or condition that

NOTE Confidence: 0.8587808

00:07:38.812 --> 00:07:41.490 they might have been found to have.

NOTE Confidence: 0.8587808

00:07:41.490 --> 00:07:45.058 And so really, our job is multifaceted.

NOTE Confidence: 0.8587808

00:07:45.058 --> 00:07:47.890 Everything from performing a risk assessment,

NOTE Confidence: 0.8587808

00:07:47.890 --> 00:07:50.225 providing education might even be

NOTE Confidence: 0.8587808

00:07:50.225 --> 00:07:52.560 delivering a diagnosis for that

NOTE Confidence: 0.8587808

00:07:52.634 --> 00:07:54.824 individual family members or their

NOTE Confidence: 0.8587808

00:07:54.824 --> 00:07:58.082 child or future child help provide the

NOTE Confidence: 0.8587808

00:07:58.082 --> 00:08:00.562 psychological support and really hope

NOTE Confidence: 0.8587808

00:08:00.562 --> 00:08:03.460 to promote advocacy along the way.

NOTE Confidence: 0.90230304

00:08:05.560 --> 00:08:08.496 So how do we become a genetic counselor?

NOTE Confidence: 0.90230304

00:08:08.500 --> 00:08:10.957 So Jenna counselors obtain a Masters degree,

NOTE Confidence: 0.90230304

00:08:10.960 --> 00:08:13.712 which is typically a two year program in

NOTE Confidence: 0.90230304

00:08:13.712 --> 00:08:16.001 genetic counseling from a program that's

NOTE Confidence: 0.90230304

00:08:16.001 --> 00:08:17.926 been accredited by the Accreditation

NOTE Confidence: 0.90230304

00:08:17.926 --> 00:08:20.470 Council for Genetic Counseling or the AC GC.

NOTE Confidence: 0.90230304

00:08:20.470 --> 00:08:23.627 And right now there are about 55

NOTE Confidence: 0.90230304

00:08:23.627 --> 00:08:26.599 training programs in the US and Canada.

NOTE Confidence: 0.90230304

00:08:26.600 --> 00:08:28.020 Typically the training includes

NOTE Confidence: 0.90230304

00:08:28.020 --> 00:08:29.795 both classroom based learning as

NOTE Confidence: 0.90230304

00:08:29.795 --> 00:08:31.288 well as clinical rotation,

NOTE Confidence: 0.90230304

00:08:31.290 --> 00:08:33.554 so you kind of get a combination of

NOTE Confidence: 0.90230304

00:08:33.554 --> 00:08:36.346 on the job learning from those in

NOTE Confidence: 0.90230304

00:08:36.346 --> 00:08:38.501 the field across various specialties,

NOTE Confidence: 0.90230304

00:08:38.510 --> 00:08:40.897 but also sort of learning that baseline

NOTE Confidence: 0.90230304

00:08:40.897 --> 00:08:42.480 detailed knowledge of genetics,

NOTE Confidence: 0.90230304

00:08:42.480 --> 00:08:45.384 inheritance, results and and all the

NOTE Confidence: 0.90230304

00:08:45.384 --> 00:08:48.127 information that you're going to need

NOTE Confidence: 0.90230304

00:08:48.127 --> 00:08:50.323 to learn to explain to patients.

NOTE Confidence: 0.90230304

00:08:50.330 --> 00:08:51.058 Upon graduation,

NOTE Confidence: 0.90230304

00:08:51.058 --> 00:08:53.242 candidates then sit for the American

NOTE Confidence: 0.90230304

00:08:53.242 --> 00:08:55.853 Board of Genetic Counseling or a BGC

NOTE Confidence: 0.90230304

00:08:55.853 --> 00:08:57.673 board certification exam to become

NOTE Confidence: 0.90230304

00:08:57.737 --> 00:08:59.497 a certified genetic counselor,

NOTE Confidence: 0.90230304

00:08:59.500 --> 00:09:01.786 and then on the state level.

NOTE Confidence: 0.90230304

00:09:01.790 --> 00:09:04.076 There is licensure of genetic counselors.

NOTE Confidence: 0.90230304

00:09:04.080 --> 00:09:07.538 Currently in 26 States and three more

NOTE Confidence: 0.90230304

00:09:07.538 --> 00:09:10.484 states have licensure bills that have

NOTE Confidence: 0.90230304

00:09:10.484 --> 00:09:13.704 passed or in the process of rulemaking.

NOTE Confidence: 0.90230304

00:09:13.710 --> 00:09:16.566 So in terms of the history of

NOTE Confidence: 0.90230304

00:09:16.566 --> 00:09:18.440 their profession, so in 1955,

NOTE Confidence: 0.90230304

00:09:18.440 --> 00:09:20.190 Doctor Sheldon Reed presented the

NOTE Confidence: 0.90230304

00:09:20.190 --> 00:09:22.303 concept of genetic counseling at

NOTE Confidence: 0.90230304

00:09:22.303 --> 00:09:24.103 the first International Congress

NOTE Confidence: 0.90230304

00:09:24.103 --> 00:09:26.389 on Human Genetics in Copenhagen,

NOTE Confidence: 0.90230304

00:09:26.390 --> 00:09:29.589 and he then published a book on

NOTE Confidence: 0.90230304

00:09:29.589 --> 00:09:31.810 counseling and medical genetics.

NOTE Confidence: 0.90230304

00:09:31.810 --> 00:09:33.833 But it really wasn't until 1969 where

NOTE Confidence: 0.90230304

00:09:33.833 --> 00:09:35.502 the first genetic counseling program

NOTE Confidence: 0.90230304

00:09:35.502 --> 00:09:37.746 was founded at Sarah Lawrence College,

NOTE Confidence: 0.90230304

00:09:37.750 --> 00:09:38.580 right here.

NOTE Confidence: 0.90230304

00:09:38.580 --> 00:09:41.485 Close by to us in New York.

NOTE Confidence: 0.90230304

00:09:41.490 --> 00:09:42.972 And in 1979,

NOTE Confidence: 0.90230304

00:09:42.972 --> 00:09:45.442 the National Society of Genetic

NOTE Confidence: 0.90230304

00:09:45.442 --> 00:09:47.860 Counselors was founded in 1981.

NOTE Confidence: 0.90230304

00:09:47.860 --> 00:09:49.264 Certification examinations were

NOTE Confidence: 0.90230304

00:09:49.264 --> 00:09:51.136 developed in conjunction with

NOTE Confidence: 0.90230304

00:09:51.136 --> 00:09:53.250 credentialing of medical geneticists,

NOTE Confidence: 0.90230304

00:09:53.250 --> 00:09:55.110 which are physicians.

NOTE Confidence: 0.90230304

00:09:55.110 --> 00:09:57.988 In 1993, the ABG established,

NOTE Confidence: 0.90230304

00:09:57.988 --> 00:10:00.718 and began certifying genetic counselors

NOTE Confidence: 0.90230304

00:10:00.718 --> 00:10:03.970 and accrediting training programs in the USN,

NOTE Confidence: 0.90230304

00:10:03.970 --> 00:10:04.474 Canada.

NOTE Confidence: 0.90230304

00:10:04.474 --> 00:10:06.994 In 2002 the first state

NOTE Confidence: 0.90230304

00:10:06.994 --> 00:10:09.550 licensure was approved in Utah,

NOTE Confidence: 0.90230304

00:10:09.550 --> 00:10:13.414 and they became the first state to

NOTE Confidence: 0.90230304

00:10:13.414 --> 00:10:16.160 license genetic counselors an in 2021.

NOTE Confidence: 0.90230304

00:10:16.160 --> 00:10:19.660 Now 26 states have licensure

NOTE Confidence: 0.90230304

00:10:19.660 --> 00:10:23.160 and three states are pending.

NOTE Confidence: 0.90230304

00:10:23.160 --> 00:10:26.184 And if you look at how has the

NOTE Confidence: 0.90230304

00:10:26.184 --> 00:10:27.829 profession grown with time,

NOTE Confidence: 0.90230304

00:10:27.830 --> 00:10:30.158 it seems to be almost exponential.

NOTE Confidence: 0.90230304

00:10:30.160 --> 00:10:32.610 So just 30 years ago there was

NOTE Confidence: 0.90230304

00:10:32.610 --> 00:10:35.220 only just over 400 and counselors.

NOTE Confidence: 0.90230304

00:10:35.220 --> 00:10:37.160 And as far as this,

NOTE Confidence: 0.90230304

00:10:37.160 --> 00:10:39.110 you know graph takes us.

NOTE Confidence: 0.90230304

00:10:39.110 --> 00:10:41.456 It has now approached 5000 and

NOTE Confidence: 0.90230304

00:10:41.456 --> 00:10:44.610 when I look back as to when when

NOTE Confidence: 0.90230304

00:10:44.610 --> 00:10:46.110 I graduated in 2008,

NOTE Confidence: 0.90230304

00:10:46.110 --> 00:10:48.450 the field has more than doubled,

NOTE Confidence: 0.90230304

00:10:48.450 --> 00:10:49.954 which is absolutely amazing.

NOTE Confidence: 0.90230304

00:10:49.954 --> 00:10:53.749 So there is a lot of career opportunity.

NOTE Confidence: 0.90230304

00:10:53.750 --> 00:10:57.160 Here, as a genetic counselor.

NOTE Confidence: 0.90230304

00:10:57.160 --> 00:10:59.390 Which is just very exciting for

NOTE Confidence: 0.90230304

00:10:59.390 --> 00:11:01.074 for the field overall.

NOTE Confidence: 0.90230304

00:11:01.074 --> 00:11:01.512 Yeah,

NOTE Confidence: 0.90230304

00:11:01.512 --> 00:11:04.140 we really have seen that genetic

NOTE Confidence: 0.90230304

00:11:04.224 --> 00:11:06.872 counseling as a as a career is rated

NOTE Confidence: 0.90230304

00:11:06.872 --> 00:11:09.675 one of the top health care support

NOTE Confidence: 0.90230304

00:11:09.675 --> 00:11:11.949 jobs out there, according to U.S.

NOTE Confidence: 0.90230304

00:11:11.949 --> 00:11:12.292 news.

NOTE Confidence: 0.90230304

00:11:12.292 --> 00:11:14.846 An reports as well as the US

NOTE Confidence: 0.90230304

00:11:14.846 --> 00:11:16.526 Bureau of Labor Statistics.

NOTE Confidence: 0.90230304

00:11:16.530 --> 00:11:19.148 And if you ask most genetic counselors,

NOTE Confidence: 0.90230304

00:11:19.150 --> 00:11:21.562 90% of us are really satisfied

NOTE Confidence: 0.90230304

00:11:21.562 --> 00:11:24.010 in the profession that we sit in.

NOTE Confidence: 0.90230304

00:11:24.010 --> 00:11:25.478 Which is, you know,

NOTE Confidence: 0.90230304

00:11:25.478 --> 00:11:27.680 not all specialties in all careers

NOTE Confidence: 0.90230304

00:11:27.752 --> 00:11:29.722 and people in various professions

NOTE Confidence: 0.90230304

00:11:29.722 --> 00:11:32.310 can maybe save with that high of.

NOTE Confidence: 0.90230304

00:11:32.310 --> 00:11:36.658 Satisfaction score so in terms

NOTE Confidence: 0.90230304

00:11:36.658 --> 00:11:37.590 of demographics,

NOTE Confidence: 0.8641259

00:11:37.590 --> 00:11:40.386 in 2018 when we look internationally,

NOTE Confidence: 0.8641259

00:11:40.390 --> 00:11:43.260 there are approximately 7000 genetic

NOTE Confidence: 0.8641259

00:11:43.260 --> 00:11:46.130 counselors in 28 different countries.

NOTE Confidence: 0.8641259

00:11:46.130 --> 00:11:49.954 And the NSDC does a every two year

NOTE Confidence: 0.8641259

00:11:49.954 --> 00:11:52.497 professional status survey to look

NOTE Confidence: 0.8641259

00:11:52.497 --> 00:11:54.987 at who are genetic counselors.

NOTE Confidence: 0.8641259

00:11:54.990 --> 00:11:58.060 And right now, we're still.

NOTE Confidence: 0.8641259

00:11:58.060 --> 00:11:59.975 Large majority female but always

NOTE Confidence: 0.8641259

00:11:59.975 --> 00:12:02.429 looking to recruit our our male

NOTE Confidence: 0.8641259

00:12:02.429 --> 00:12:04.759 counterparts to be genetic counselors.

NOTE Confidence: 0.8641259

00:12:04.760 --> 00:12:07.742 It's just sort of been a female

NOTE Confidence: 0.8641259

00:12:07.742 --> 00:12:10.630 driven field for a very long time.

NOTE Confidence: 0.8641259

00:12:10.630 --> 00:12:13.444 2% of responders to the status survey

NOTE Confidence: 0.8641259

00:12:13.444 --> 00:12:16.023 responded that they were part of

NOTE Confidence: 0.8641259

00:12:16.023 --> 00:12:19.510 the disability community as well.

NOTE Confidence: 0.8641259

00:12:19.510 --> 00:12:22.630 If we look at the areas of practice

NOTE Confidence: 0.8641259

00:12:22.630 --> 00:12:25.606 about 50% of genetic counselors are in a

NOTE Confidence: 0.8641259

00:12:25.606 --> 00:12:28.478 position where they have direct patient care.

NOTE Confidence: 0.8641259

00:12:28.480 --> 00:12:30.820 And really, what does that mean?

NOTE Confidence: 0.8641259

00:12:30.820 --> 00:12:32.050 OK, they're looking.

NOTE Confidence: 0.8641259

00:12:32.050 --> 00:12:33.690 You know they're working

NOTE Confidence: 0.8641259

00:12:33.690 --> 00:12:35.499 with patients face to face.

NOTE Confidence: 0.8641259

00:12:35.500 --> 00:12:37.450 They might be supervising students,

NOTE Confidence: 0.8641259

00:12:37.450 --> 00:12:39.010 participating education and teaching.

NOTE Confidence: 0.8641259

00:12:39.010 --> 00:12:41.350 They do ordering of genetic testing.

NOTE Confidence: 0.8641259

00:12:41.350 --> 00:12:44.310 They might do clinical coordination.

NOTE Confidence: 0.8641259

00:12:44.310 --> 00:12:47.383 And that's in comparison to non direct

NOTE Confidence: 0.8641259

00:12:47.383 --> 00:12:49.543 patient care genetic counselors and

NOTE Confidence: 0.8641259

00:12:49.543 --> 00:12:52.203 those may be ones who are working

NOTE Confidence: 0.8641259

00:12:52.203 --> 00:12:55.029 on in a lab where they're writing

NOTE Confidence: 0.8641259

00:12:55.029 --> 00:12:57.408 lab based genetic test reports or

NOTE Confidence: 0.8641259

00:12:57.408 --> 00:12:59.004 answering questions for providers

NOTE Confidence: 0.8641259

00:12:59.004 --> 00:13:01.120 who are ordering genetic testing,

NOTE Confidence: 0.8641259

00:13:01.120 --> 00:13:03.170 they might be doing interpretation

NOTE Confidence: 0.8641259

00:13:03.170 --> 00:13:05.220 of variance from genetic testing.

NOTE Confidence: 0.8641259

00:13:05.220 --> 00:13:08.440 They might be at liaison between customers

NOTE Confidence: 0.8641259

00:13:08.440 --> 00:13:10.849 and performing their own research.

NOTE Confidence: 0.8641259

00:13:10.850 --> 00:13:12.494 And then there is positions that

NOTE Confidence: 0.8641259

00:13:12.494 --> 00:13:14.318 sort of a mixed based approach

NOTE Confidence: 0.8641259

00:13:14.318 --> 00:13:16.310 where they have some direct patient

NOTE Confidence: 0.8641259

00:13:16.310 --> 00:13:18.289 care in clinical coordination.

NOTE Confidence: 0.8641259

00:13:18.290 --> 00:13:20.264 But they also might be working more

NOTE Confidence: 0.8641259

00:13:20.264 --> 00:13:22.713 of sort of a lab based or industry

NOTE Confidence: 0.8641259

00:13:22.713 --> 00:13:25.546 stats side of things where not all of

NOTE Confidence: 0.8641259

00:13:25.546 --> 00:13:27.190 their job responsibilities include

NOTE Confidence: 0.8641259

00:13:27.190 --> 00:13:30.340 working with directly with patients.

NOTE Confidence: 0.8641259

00:13:30.340 --> 00:13:31.579 Among genetic counselors,

NOTE Confidence: 0.8641259

00:13:31.579 --> 00:13:34.057 90% of them work full-time and

NOTE Confidence: 0.8641259

00:13:34.057 --> 00:13:35.733 10% work part time.

NOTE Confidence: 0.8641259

00:13:35.733 --> 00:13:38.259 And when we look at positions

NOTE Confidence: 0.8641259

00:13:38.259 --> 00:13:40.570 and this is before Kovin,

NOTE Confidence: 0.8641259

00:13:40.570 --> 00:13:43.972 so take this number with a grain of salt.

NOTE Confidence: 0.8641259

00:13:43.980 --> 00:13:46.619 Genetic counselors are 40% of them were

NOTE Confidence: 0.8641259

00:13:46.619 --> 00:13:49.287 working remotely as part of their position,

NOTE Confidence: 0.8641259

00:13:49.290 --> 00:13:50.802 and certainly with kovid.

NOTE Confidence: 0.8641259

00:13:50.802 --> 00:13:52.314 That number has increased,

NOTE Confidence: 0.8641259

00:13:52.320 --> 00:13:54.910 but slowly we're starting to make our

NOTE Confidence: 0.8641259

00:13:54.910 --> 00:13:57.619 way back into the clinic full time.

NOTE Confidence: 0.8641259

00:13:57.620 --> 00:14:01.088 As we all get vaccinated here.

NOTE Confidence: 0.8641259

00:14:01.090 --> 00:14:03.754 So in terms of current statistics

NOTE Confidence: 0.8641259

00:14:03.754 --> 00:14:05.530 and areas of practice,

NOTE Confidence: 0.8641259

00:14:05.530 --> 00:14:07.815 genetic counselors have very different

NOTE Confidence: 0.8641259

00:14:07.815 --> 00:14:10.586 specialty areas and this is just

NOTE Confidence: 0.8641259

00:14:10.586 --> 00:14:13.076 sort of further subdivided with time.

NOTE Confidence: 0.8641259

00:14:13.080 --> 00:14:15.295 Everything from prenatal or reproductive

NOTE Confidence: 0.8641259

00:14:15.295 --> 00:14:16.628 genetics, pediatric genetics,

NOTE Confidence: 0.8641259

00:14:16.628 --> 00:14:17.960 neurogenetics, metabolic diseases,

NOTE Confidence: 0.8641259

00:14:17.960 --> 00:14:20.180 general genetics testing in laboratory,

NOTE Confidence: 0.8641259

00:14:20.180 --> 00:14:22.850 adult genetics, cardio, genetics, and cancer.

NOTE Confidence: 0.8641259

00:14:22.850 --> 00:14:25.626 So you're going to hear about a lot

NOTE Confidence: 0.8641259

00:14:25.626 --> 00:14:28.618 of these different specialties today,

NOTE Confidence: 0.8641259

00:14:28.620 --> 00:14:31.819 which is great to give you a

NOTE Confidence: 0.8641259

00:14:31.819 --> 00:14:33.700 good overview of how.

NOTE Confidence: 0.8641259

00:14:33.700 --> 00:14:34.716 We're all genetic counselors,

NOTE Confidence: 0.8641259

00:14:34.716 --> 00:14:37.056 but our jobs are sort of a little bit

NOTE Confidence: 0.8641259

00:14:37.056 --> 00:14:38.834 different based on what we specialize in.

NOTE Confidence: 0.8641259

00:14:38.840 --> 00:14:41.216 And then looking at where we based out

NOTE Confidence: 0.8641259

00:14:41.216 --> 00:14:43.516 of where are are who are employers.

NOTE Confidence: 0.8641259

00:14:43.520 --> 00:14:45.290 You know many people might be

NOTE Confidence: 0.8641259

00:14:45.290 --> 00:14:47.181 working in an academic or university

NOTE Confidence: 0.8641259

00:14:47.181 --> 00:14:49.137 based setting like here at Yale,

NOTE Confidence: 0.8641259

00:14:49.140 --> 00:14:51.006 New Haven Health and Yale Medicine.

NOTE Confidence: 0.8641259

00:14:51.010 --> 00:14:53.008 They might be just working for

NOTE Confidence: 0.8641259

00:14:53.008 --> 00:14:54.872 a hospital that's not affiliated

NOTE Confidence: 0.8641259

00:14:54.872 --> 00:14:56.720 with an academic setting.

NOTE Confidence: 0.8641259

00:14:56.720 --> 00:14:58.544 They may be working for nonprofits

NOTE Confidence: 0.8641259

00:14:58.544 --> 00:15:00.560 or government or in a laboratory.

NOTE Confidence: 0.8492262

00:15:03.320 --> 00:15:06.236 And when you look at the areas of specialty

NOTE Confidence: 0.8492262

00:15:06.236 --> 00:15:09.029 or practice among genetic counselors,

NOTE Confidence: 0.8492262

00:15:09.030 --> 00:15:11.070 this also has changed overtime.

NOTE Confidence: 0.8492262

00:15:11.070 --> 00:15:13.878 So in the very early years of the

NOTE Confidence: 0.8492262

00:15:13.878 --> 00:15:16.780 of the field or the profession,

NOTE Confidence: 0.8492262

00:15:16.780 --> 00:15:19.012 many more genetic counselors were working

NOTE Confidence: 0.8492262

00:15:19.012 --> 00:15:21.680 in the prenatal or reproductive side.

NOTE Confidence: 0.8492262

00:15:21.680 --> 00:15:24.536 Or general genetics side of the field.

NOTE Confidence: 0.8492262

00:15:24.540 --> 00:15:27.193 But with time, what we've notice is

NOTE Confidence: 0.8492262

00:15:27.193 --> 00:15:29.780 that the field of genetic genetic

NOTE Confidence: 0.8492262

00:15:29.780 --> 00:15:32.055 counseling in the specialty of

NOTE Confidence: 0.8492262

00:15:32.055 --> 00:15:34.568 cancer has increased with time.

NOTE Confidence: 0.8492262

00:15:34.570 --> 00:15:36.770 And it's actually the highest

NOTE Confidence: 0.8492262

00:15:36.770 --> 00:15:40.569 kind of specialty area currently.

NOTE Confidence: 0.8492262

00:15:40.570 --> 00:15:41.926 Now for genetic counselors,

NOTE Confidence: 0.8492262

00:15:41.926 --> 00:15:43.960 they might not always work in

NOTE Confidence: 0.8492262

00:15:44.025 --> 00:15:46.180 just one single specialty among

NOTE Confidence: 0.8492262

00:15:46.180 --> 00:15:47.473 survey genetic counselors.

NOTE Confidence: 0.8492262

00:15:47.480 --> 00:15:49.400 1/3 of people practice in

NOTE Confidence: 0.8492262

00:15:49.400 --> 00:15:51.320 just one area of specialty.

NOTE Confidence: 0.8492262

00:15:51.320 --> 00:15:51.648 However,

NOTE Confidence: 0.8492262

00:15:51.648 --> 00:15:53.616 they might have a position where

NOTE Confidence: 0.8492262

00:15:53.616 --> 00:15:55.626 they are counseling patients with

NOTE Confidence: 0.8492262

00:15:55.626 --> 00:15:57.078 multiple different specialties,

NOTE Confidence: 0.8492262

00:15:57.080 --> 00:16:00.144 so they might have patients who they are.

NOTE Confidence: 0.8492262

00:16:00.150 --> 00:16:01.995 Counseling based on prenatal based

NOTE Confidence: 0.8492262

00:16:01.995 --> 00:16:04.297 genetic testing and then their next

NOTE Confidence: 0.8492262

00:16:04.297 --> 00:16:06.649 patient might be counseling on a

NOTE Confidence: 0.8492262

00:16:06.649 --> 00:16:07.825 cancer predisposition syndrome.

NOTE Confidence: 0.8492262

00:16:07.830 --> 00:16:10.200 So there is some variability and

NOTE Confidence: 0.8492262

00:16:10.200 --> 00:16:11.385 genetic counseling positions.

NOTE Confidence: 0.8492262

00:16:11.390 --> 00:16:12.551 In specialty areas,

NOTE Confidence: 0.8492262

00:16:12.551 --> 00:16:14.873 I commend all the genetic counselor

NOTE Confidence: 0.8492262

00:16:14.873 --> 00:16:16.696 counselors out there who do have

NOTE Confidence: 0.8492262

00:16:16.696 --> 00:16:18.430 to more than one practice area,

NOTE Confidence: 0.8492262

00:16:18.430 --> 00:16:21.110 'cause I don't know how they do it.

NOTE Confidence: 0.8492262

00:16:21.110 --> 00:16:22.362 But as you know,

NOTE Confidence: 0.8492262

00:16:22.362 --> 00:16:24.240 really being as someone who works

NOTE Confidence: 0.8492262

00:16:24.310 --> 00:16:26.130 in a single single specialty,

NOTE Confidence: 0.8492262

00:16:26.130 --> 00:16:27.810 but those positions do exist.

NOTE Confidence: 0.8492262

00:16:27.810 --> 00:16:29.715 If certainly if someones interested

NOTE Confidence: 0.8492262

00:16:29.715 --> 00:16:32.643 in sort of more than one specialty

NOTE Confidence: 0.8492262

00:16:32.643 --> 00:16:34.547 area through their training.

NOTE Confidence: 0.8492262

00:16:34.550 --> 00:16:34.950 Now,

NOTE Confidence: 0.8492262

00:16:34.950 --> 00:16:36.950 the majority of direct patient

NOTE Confidence: 0.8492262

00:16:36.950 --> 00:16:39.534 care positions really are a face to

NOTE Confidence: 0.8492262

00:16:39.534 --> 00:16:41.370 face type model for most people,

NOTE Confidence: 0.8492262

00:16:41.370 --> 00:16:43.160 although there were some telephone

NOTE Confidence: 0.8492262

00:16:43.160 --> 00:16:44.234 and Tele health.

NOTE Confidence: 0.8492262

00:16:44.240 --> 00:16:46.599 You know video type Konsult visits that

NOTE Confidence: 0.8492262

00:16:46.599 --> 00:16:49.270 were a part of the counseling model.

NOTE Confidence: 0.8492262

00:16:49.270 --> 00:16:51.256 With COVID we have shifted to

NOTE Confidence: 0.8492262

00:16:51.256 --> 00:16:53.422 probably much more in this phone

NOTE Confidence: 0.8492262

00:16:53.422 --> 00:16:55.367 and Tele health model nowadays.

NOTE Confidence: 0.8492262

00:16:55.370 --> 00:16:57.736 An I really do not think that

NOTE Confidence: 0.8492262

00:16:57.736 --> 00:16:59.680 that's going anywhere anytime soon.

NOTE Confidence: 0.8492262

00:16:59.680 --> 00:17:01.828 I think what that has really

NOTE Confidence: 0.8492262

00:17:01.828 --> 00:17:04.057 also demonstrated to us is we've

NOTE Confidence: 0.8492262

00:17:04.057 --> 00:17:06.241 been able to expand our services

NOTE Confidence: 0.8492262

00:17:06.241 --> 00:17:08.009 to patients who might not.

NOTE Confidence: 0.8492262

00:17:08.010 --> 00:17:08.331 Otherwise,

NOTE Confidence: 0.8492262

00:17:08.331 --> 00:17:10.257 have access to a genetic counselor

NOTE Confidence: 0.8492262

00:17:10.257 --> 00:17:11.520 in their geographic area,

NOTE Confidence: 0.8492262

00:17:11.520 --> 00:17:12.546 and also anecdotally,

NOTE Confidence: 0.8492262

00:17:12.546 --> 00:17:14.940 what I have noticed with my patients

NOTE Confidence: 0.8492262

00:17:15.005 --> 00:17:17.365 is that now I can really offer testing

NOTE Confidence: 0.8492262

00:17:17.365 --> 00:17:19.553 in families where I found a genetic

NOTE Confidence: 0.8492262

00:17:19.553 --> 00:17:21.453 risk and identified the gene and

NOTE Confidence: 0.8492262

00:17:21.453 --> 00:17:23.268 the family to more systematically

NOTE Confidence: 0.8492262

00:17:23.268 --> 00:17:25.099 offer testing to their relatives

NOTE Confidence: 0.8492262

00:17:25.099 --> 00:17:27.297 more easily so they might not be

NOTE Confidence: 0.8492262

00:17:27.297 --> 00:17:29.591 based out of New Haven or in the

NOTE Confidence: 0.8492262

00:17:29.591 --> 00:17:30.947 Yale New Haven health system.

NOTE Confidence: 0.8492262

00:17:30.947 --> 00:17:32.956 But being able to get them registered

NOTE Confidence: 0.8492262

00:17:32.956 --> 00:17:34.852 in our system and seeing them

NOTE Confidence: 0.8492262

00:17:34.852 --> 00:17:36.742 remotely now becomes a much easier

NOTE Confidence: 0.8492262

00:17:36.800 --> 00:17:38.515 possibility and then offering them

NOTE Confidence: 0.8492262

00:17:38.515 --> 00:17:40.620 testing for the no mutation that's

NOTE Confidence: 0.8492262

00:17:40.620 --> 00:17:42.570 been identified in the family.

NOTE Confidence: 0.8492262

00:17:42.570 --> 00:17:44.250 Has really increased the ability for

NOTE Confidence: 0.8492262

00:17:44.250 --> 00:17:46.156 us to share this information with

NOTE Confidence: 0.8492262

00:17:46.156 --> 00:17:48.704 relatives and we're actively get them tested.

NOTE Confidence: 0.8562815

00:17:50.750 --> 00:17:52.832 So we look at the salary

NOTE Confidence: 0.8562815

00:17:52.832 --> 00:17:53.873 of genetic counselors.

NOTE Confidence: 0.8562815

00:17:53.880 --> 00:17:56.344 The average salary for a full time

NOTE Confidence: 0.8562815

00:17:56.344 --> 00:17:58.153 genetic counselor makes just under

NOTE Confidence: 0.8562815

00:17:58.153 --> 00:18:00.229 $95,000 when surveyed and our salary

NOTE Confidence: 0.8562815

00:18:00.229 --> 00:18:02.647 has truly increased over the years and

NOTE Confidence: 0.8562815

00:18:02.647 --> 00:18:05.014 you graduate may expect to make about

NOTE Confidence: 0.8562815

00:18:05.014 --> 00:18:07.443 $75,000 a year for full time position.

NOTE Confidence: 0.8562815

00:18:07.450 --> 00:18:09.538 A lot of that can also

NOTE Confidence: 0.8562815

00:18:09.538 --> 00:18:10.930 depend on geographic area.

NOTE Confidence: 0.8562815

00:18:10.930 --> 00:18:12.620 Obviously taking a job in

NOTE Confidence: 0.8562815

00:18:12.620 --> 00:18:14.760 a city like New York City,

NOTE Confidence: 0.8562815

00:18:14.760 --> 00:18:16.842 there where the cost of living

NOTE Confidence: 0.8562815

00:18:16.842 --> 00:18:18.678 is more expensive, this salary.

NOTE Confidence: 0.8562815

00:18:18.678 --> 00:18:20.648 Likely it should be more

NOTE Confidence: 0.8562815

00:18:20.648 --> 00:18:22.559 than someone who might be.

NOTE Confidence: 0.8562815

00:18:22.560 --> 00:18:24.690 Working in a smaller based town

NOTE Confidence: 0.8562815

00:18:24.690 --> 00:18:26.552 or hospital system and those

NOTE Confidence: 0.8562815

00:18:26.552 --> 00:18:28.427 genetic counselors who work for

NOTE Confidence: 0.8562815

00:18:28.427 --> 00:18:30.650 direct care type of positions,

NOTE Confidence: 0.8562815

00:18:30.650 --> 00:18:33.266 they make about $83,000 on average

NOTE Confidence: 0.8562815

00:18:33.266 --> 00:18:36.247 in genetic counselor who works in a

NOTE Confidence: 0.8562815

00:18:36.247 --> 00:18:38.172 position with nine direct patient

NOTE Confidence: 0.8562815

00:18:38.172 --> 00:18:40.924 care or maybe more of it is a

NOTE Confidence: 0.8562815

00:18:40.924 --> 00:18:42.604 lab or industry based physician.

NOTE Confidence: 0.8562815

00:18:42.604 --> 00:18:45.432 They make on average 100 and $14,000

NOTE Confidence: 0.8562815

00:18:45.432 --> 00:18:47.845 and then the positions that are

NOTE Confidence: 0.8562815

00:18:47.845 --> 00:18:50.137 mixed so they have some direct

NOTE Confidence: 0.8562815

00:18:50.218 --> 00:18:52.885 patient care in some non direct care.

NOTE Confidence: 0.8562815

00:18:52.890 --> 00:18:54.340 Those positions salary wise kind

NOTE Confidence: 0.8562815

00:18:54.340 --> 00:18:56.319 of fall in between and they make

NOTE Confidence: 0.84546536

00:18:56.320 --> 00:18:57.468 about $97,000 a year.

NOTE Confidence: 0.8991957

00:19:00.230 --> 00:19:03.142 So what can you expect when someone has

NOTE Confidence: 0.8991957

00:19:03.142 --> 00:19:05.627 an appointment with a genetic counselor?

NOTE Confidence: 0.8991957

00:19:05.630 --> 00:19:08.224 So I want to go through a little bit of what

NOTE Confidence: 0.8991957

00:19:08.224 --> 00:19:10.723 the process and and what that appointment

NOTE Confidence: 0.8991957

00:19:10.723 --> 00:19:12.618 really networking typically look like.

NOTE Confidence: 0.8991957

00:19:12.620 --> 00:19:15.257 So the 1st and biggest step is really taking

NOTE Confidence: 0.8991957

00:19:15.257 --> 00:19:17.916 a detailed medical and family history.

NOTE Confidence: 0.8991957

00:19:17.920 --> 00:19:20.020 So here we have Dirk bringing

NOTE Confidence: 0.8991957

00:19:20.020 --> 00:19:22.150 in his family tree to class.

NOTE Confidence: 0.8991957

00:19:22.150 --> 00:19:23.920 Yeah it represents his parents,

NOTE Confidence: 0.8991957

00:19:23.920 --> 00:19:25.424 his siblings, his grandparents.

NOTE Confidence: 0.8991957

00:19:25.424 --> 00:19:28.149 And that's a lot of what we do.

NOTE Confidence: 0.8991957

00:19:28.150 --> 00:19:30.565 So as we talk through today I

NOTE Confidence: 0.8991957

00:19:30.565 --> 00:19:32.790 want to introduce this, you know.

NOTE Confidence: 0.8991957

00:19:32.790 --> 00:19:35.040 Family history collection tool that we

NOTE Confidence: 0.8991957

00:19:35.040 --> 00:19:37.771 in genetics call a pedigree and get you

NOTE Confidence: 0.8991957

00:19:37.771 --> 00:19:39.800 familiar with what this looks like.

NOTE Confidence: 0.8991957

00:19:39.800 --> 00:19:42.020 Since several of the genetic counselors

NOTE Confidence: 0.8991957

00:19:42.020 --> 00:19:44.045 will share some case examples

NOTE Confidence: 0.8991957

00:19:44.045 --> 00:19:45.969 using pedigrees from patients.

NOTE Confidence: 0.8991957

00:19:45.970 --> 00:19:48.350 And a pedigree is really a representation

NOTE Confidence: 0.8991957

00:19:48.350 --> 00:19:51.194 of the family tree and it helps to

NOTE Confidence: 0.8991957

00:19:51.194 --> 00:19:52.602 diagram the potential inheritance

NOTE Confidence: 0.8991957

00:19:52.602 --> 00:19:54.968 of a condition or disease through

NOTE Confidence: 0.8991957

00:19:54.968 --> 00:19:56.913 several generations of a family.

NOTE Confidence: 0.8991957

00:19:56.920 --> 00:19:58.970 It also shows the relationships

NOTE Confidence: 0.8991957

00:19:58.970 --> 00:20:01.020 between family members and indicates

NOTE Confidence: 0.8991957

00:20:01.089 --> 00:20:03.457 who in family member who in the family

NOTE Confidence: 0.8991957

00:20:03.457 --> 00:20:05.677 might have certain traits or disease.

NOTE Confidence: 0.8991957

00:20:05.680 --> 00:20:07.870 So on the right hand side,

NOTE Confidence: 0.8991957

00:20:07.870 --> 00:20:10.270 what you're seeing here is that

NOTE Confidence: 0.8991957

00:20:10.270 --> 00:20:12.788 women are represented by the circles

NOTE Confidence: 0.8991957

00:20:12.788 --> 00:20:15.308 and men are represented by squares.

NOTE Confidence: 0.8991957

00:20:15.310 --> 00:20:17.956 So if this was my patient here who was

NOTE Confidence: 0.8991957

00:20:17.956 --> 00:20:20.849 a male, he had a brother and a sister,

NOTE Confidence: 0.8991957

00:20:20.850 --> 00:20:23.194 so all the children are on one line

NOTE Confidence: 0.8991957

00:20:23.194 --> 00:20:24.794 together here and their parents

NOTE Confidence: 0.8991957

00:20:24.794 --> 00:20:26.702 are the next level above them.

NOTE Confidence: 0.8991957

00:20:26.710 --> 00:20:28.546 So this would be their mom.

NOTE Confidence: 0.8991957

00:20:28.550 --> 00:20:30.552 This would be their dad on Mom's

NOTE Confidence: 0.8991957

00:20:30.552 --> 00:20:31.940 side of the family.

NOTE Confidence: 0.8991957

00:20:31.940 --> 00:20:34.712 We have an uncle and aunt and then above

NOTE Confidence: 0.8991957

00:20:34.712 --> 00:20:37.427 there are the grandparents to my patient.

NOTE Confidence: 0.8991957

00:20:37.430 --> 00:20:40.166 And anyone who is shaded in so these

NOTE Confidence: 0.8991957

00:20:40.166 --> 00:20:42.290 individuals here are those who have

NOTE Confidence: 0.8991957

00:20:42.290 --> 00:20:44.342 a certain genetic risk or disease.

NOTE Confidence: 0.8991957

00:20:44.350 --> 00:20:47.455 So for my job as a cancer genetic counselor,

NOTE Confidence: 0.8991957

00:20:47.460 --> 00:20:49.861 these might be people in the family

NOTE Confidence: 0.8991957

00:20:49.861 --> 00:20:52.121 who have cancer and so the more

NOTE Confidence: 0.8991957

00:20:52.121 --> 00:20:54.321 people who are shaded in in multiple

NOTE Confidence: 0.8991957

00:20:54.321 --> 00:20:56.661 generations are all factors that we

NOTE Confidence: 0.8991957

00:20:56.661 --> 00:20:59.224 assess for to determine if there is

NOTE Confidence: 0.8991957

00:20:59.224 --> 00:21:01.300 a hereditary risk within the family.

NOTE Confidence: 0.8991957

00:21:01.300 --> 00:21:03.596 So I wanted to introduce this so that

NOTE Confidence: 0.8991957

00:21:03.596 --> 00:21:05.514 you have some baseline information

NOTE Confidence: 0.8991957

00:21:05.514 --> 00:21:08.058 as the genetic counselors after me.

NOTE Confidence: 0.8991957

00:21:08.060 --> 00:21:10.790 Talk more about their family histories

NOTE Confidence: 0.8991957

00:21:10.790 --> 00:21:12.155 that they've collected.

NOTE Confidence: 0.8991957

00:21:12.160 --> 00:21:14.505 So after we've collected the family history,

NOTE Confidence: 0.8991957

00:21:14.510 --> 00:21:16.526 we then perform the risk assessment.

NOTE Confidence: 0.8991957

00:21:16.530 --> 00:21:18.588 We take all those factors together

NOTE Confidence: 0.8991957

00:21:18.588 --> 00:21:21.213 and talk about how likely does that

NOTE Confidence: 0.8991957

00:21:21.213 --> 00:21:23.978 individual or family have a hereditary risk?

NOTE Confidence: 0.8991957

00:21:23.980 --> 00:21:25.524 We provide education about

NOTE Confidence: 0.8991957

00:21:25.524 --> 00:21:26.296 genetics inheritance,

NOTE Confidence: 0.8991957

00:21:26.300 --> 00:21:29.000 how this would impact the patient

NOTE Confidence: 0.8991957

00:21:29.000 --> 00:21:32.076 and their family members if we found

NOTE Confidence: 0.8991957

00:21:32.076 --> 00:21:34.458 a certain disease in their family.

NOTE Confidence: 0.8991957

00:21:34.460 --> 00:21:36.295 We would help coordinate consent

NOTE Confidence: 0.8991957

00:21:36.295 --> 00:21:37.396 for genetic testing.

NOTE Confidence: 0.8991957

00:21:37.400 --> 00:21:38.132 When applicable,

NOTE Confidence: 0.8991957

00:21:38.132 --> 00:21:39.596 we coordinate genetic testing

NOTE Confidence: 0.8991957

00:21:39.596 --> 00:21:40.328 when applicable,

NOTE Confidence: 0.8991957

00:21:40.330 --> 00:21:43.074 and there is different types of medical

NOTE Confidence: 0.8991957

00:21:43.074 --> 00:21:45.833 genetic tests out there and we really

NOTE Confidence: 0.8991957

00:21:45.833 --> 00:21:48.101 sort of focus as genetic counselors

NOTE Confidence: 0.8991957

00:21:48.175 --> 00:21:50.703 in the category here on the left that

NOTE Confidence: 0.8991957

00:21:50.703 --> 00:21:52.808 we would deem medical genetic tests.

NOTE Confidence: 0.8991957

00:21:52.808 --> 00:21:54.276 Those like diagnostic testing.

NOTE Confidence: 0.8991957

00:21:54.280 --> 00:21:56.996 So someone coming in with a cancer

NOTE Confidence: 0.8991957

00:21:56.996 --> 00:21:59.098 diagnosis and doing genetic testing

NOTE Confidence: 0.8991957

00:21:59.098 --> 00:22:02.115 to assess for genes that cause cancer.

NOTE Confidence: 0.8450094

00:22:02.120 --> 00:22:03.796 Carrier testing, you know,

NOTE Confidence: 0.8450094

00:22:03.796 --> 00:22:06.738 looking at subsets of populations to see

NOTE Confidence: 0.8450094

00:22:06.738 --> 00:22:09.251 if they carry a single mutation that

NOTE Confidence: 0.8450094

00:22:09.251 --> 00:22:11.504 when combined with another mutation in

NOTE Confidence: 0.8450094

00:22:11.504 --> 00:22:14.168 that gene could cause risk for children.

NOTE Confidence: 0.8450094

00:22:14.168 --> 00:22:16.508 Prenatal diagnosis over there abnormalities

NOTE Confidence: 0.8450094

00:22:16.508 --> 00:22:19.700 on an ultrasound or through some initial

NOTE Confidence: 0.8450094

00:22:19.700 --> 00:22:21.785 screening tests that looked abnormal

NOTE Confidence: 0.8450094

00:22:21.785 --> 00:22:24.069 and now we're trying to understand

NOTE Confidence: 0.8450094

00:22:24.069 --> 00:22:26.535 whether the baby in fact is infected.

NOTE Confidence: 0.8450094

00:22:26.535 --> 00:22:27.305 Newborn screening,

NOTE Confidence: 0.8450094

00:22:27.305 --> 00:22:30.000 so once that baby is born there

NOTE Confidence: 0.8450094

00:22:30.071 --> 00:22:31.997 some testing that can be done,

NOTE Confidence: 0.8450094

00:22:32.000 --> 00:22:33.585 particularly for metabolic diseases to

NOTE Confidence: 0.8450094

00:22:33.585 --> 00:22:35.840 see if that child could be affected.

NOTE Confidence: 0.8450094

00:22:35.840 --> 00:22:37.765 Since early intervention and changes

NOTE Confidence: 0.8450094

00:22:37.765 --> 00:22:40.725 changes to diet are so key to long

NOTE Confidence: 0.8450094

00:22:40.725 --> 00:22:42.965 term survival of those of those kids.

NOTE Confidence: 0.8450094

00:22:42.970 --> 00:22:44.098 Predictive diagnosis OK,

NOTE Confidence: 0.8450094

00:22:44.098 --> 00:22:46.354 once we have a known genetic

NOTE Confidence: 0.8450094

00:22:46.354 --> 00:22:47.660 disease in our family,

NOTE Confidence: 0.8450094

00:22:47.660 --> 00:22:49.765 testing those relatives to see

NOTE Confidence: 0.8450094

00:22:49.765 --> 00:22:51.870 who else inherited that disease.

NOTE Confidence: 0.8450094

00:22:51.870 --> 00:22:54.096 And these are a little bit different

NOTE Confidence: 0.8450094

00:22:54.096 --> 00:22:56.298 from non medical genetic tests like

NOTE Confidence: 0.8450094

00:22:56.298 --> 00:22:58.278 paternity testing or genealogy testing

NOTE Confidence: 0.8450094

00:22:58.278 --> 00:23:01.188 that you might hear about or see in your

NOTE Confidence: 0.8450094

00:23:01.188 --> 00:23:04.818 local pharmacy or forensic based testing.

NOTE Confidence: 0.8450094

00:23:04.820 --> 00:23:06.878 So what is the process of genetic

NOTE Confidence: 0.8450094

00:23:06.878 --> 00:23:09.137 testing when we most often performed

NOTE Confidence: 0.8450094

00:23:09.137 --> 00:23:11.317 genetic testing through blood sample?

NOTE Confidence: 0.8450094

00:23:11.320 --> 00:23:13.847 Or we can use a saliva sample.

NOTE Confidence: 0.8450094

00:23:13.850 --> 00:23:16.016 Here is an example of what

NOTE Confidence: 0.8450094

00:23:16.016 --> 00:23:17.460 that might look like.

NOTE Confidence: 0.8450094

00:23:17.460 --> 00:23:18.477 We're in individual,

NOTE Confidence: 0.8450094

00:23:18.477 --> 00:23:20.850 would spit into a tube to collect

NOTE Confidence: 0.8450094

00:23:20.920 --> 00:23:22.870 the sample for genetic testing,

NOTE Confidence: 0.8450094

00:23:22.870 --> 00:23:25.036 but it can be additionally acquired

NOTE Confidence: 0.8450094

00:23:25.036 --> 00:23:26.480 through for newborn screening,

NOTE Confidence: 0.8450094

00:23:26.480 --> 00:23:28.610 a little heel prick where the

NOTE Confidence: 0.8450094

00:23:28.610 --> 00:23:31.179 blood is then withdrawn to do the

NOTE Confidence: 0.8450094

00:23:31.179 --> 00:23:32.979 testing and amniocentesis or CVS,

NOTE Confidence: 0.8450094

00:23:32.980 --> 00:23:35.190 which are two ways that.

NOTE Confidence: 0.8450094

00:23:35.190 --> 00:23:36.635 Testing is performed for prenatal

NOTE Confidence: 0.8450094

00:23:36.635 --> 00:23:38.630 diagnosis and some fine needle aspiration.

NOTE Confidence: 0.8450094

00:23:38.630 --> 00:23:41.185 In some rare cases where we might

NOTE Confidence: 0.8450094

00:23:41.185 --> 00:23:44.152 need to to look at the sort of

NOTE Confidence: 0.8450094

00:23:44.152 --> 00:23:46.270 the bone marrow to help us.

NOTE Confidence: 0.8450094

00:23:46.270 --> 00:23:48.100 So most insurance companies cover

NOTE Confidence: 0.8450094

00:23:48.100 --> 00:23:49.930 the cost of genetic testing,

NOTE Confidence: 0.8450094

00:23:49.930 --> 00:23:52.594 especially for those who have a

NOTE Confidence: 0.8450094

00:23:52.594 --> 00:23:54.893 personal or strong family history

NOTE Confidence: 0.8450094

00:23:54.893 --> 00:23:57.515 that really fit the pattern or

NOTE Confidence: 0.8450094

00:23:57.515 --> 00:23:59.840 condition that is in question.

NOTE Confidence: 0.8450094

00:23:59.840 --> 00:24:01.820 So once we've done genetic testing,

NOTE Confidence: 0.8450094

00:24:01.820 --> 00:24:03.698 it's then our job to contact

NOTE Confidence: 0.8450094

00:24:03.698 --> 00:24:05.354 the patient and disclose those

NOTE Confidence: 0.8450094

00:24:05.354 --> 00:24:07.424 results and explain them in detail.

NOTE Confidence: 0.8450094

00:24:07.430 --> 00:24:08.750 What did we find?

NOTE Confidence: 0.8450094

00:24:08.750 --> 00:24:10.070 What does it mean?

NOTE Confidence: 0.8450094

00:24:10.070 --> 00:24:12.198 Who else in the family might need

NOTE Confidence: 0.8450094

00:24:12.198 --> 00:24:13.700 testing we go through?

NOTE Confidence: 0.8450094

00:24:13.700 --> 00:24:15.212 Are there particular follow-up

NOTE Confidence: 0.8450094

00:24:15.212 --> 00:24:17.102 tests or screening measures or

NOTE Confidence: 0.8450094

00:24:17.102 --> 00:24:18.246 medical management recommendations

NOTE Confidence: 0.8450094

00:24:18.246 --> 00:24:20.703 that we're going to make based on

NOTE Confidence: 0.8450094

00:24:20.703 --> 00:24:22.649 the outcomes of genetic testing?

NOTE Confidence: 0.8450094

00:24:22.650 --> 00:24:25.050 We hope to identify patient resources

NOTE Confidence: 0.8450094

00:24:25.050 --> 00:24:27.080 and or research opportunities that

NOTE Confidence: 0.8450094

00:24:27.080 --> 00:24:28.930 the individual or family might

NOTE Confidence: 0.8450094

00:24:28.930 --> 00:24:30.650 be eligible to participate in.

NOTE Confidence: 0.8450094

00:24:30.650 --> 00:24:33.570 Now, given this genetic disease.

NOTE Confidence: 0.8450094

00:24:33.570 --> 00:24:35.762 We hope to explore who in the family

NOTE Confidence: 0.8450094

00:24:35.762 --> 00:24:38.287 is also at risk to have a genetic

NOTE Confidence: 0.8450094

00:24:38.287 --> 00:24:40.272 condition and explain who else is

NOTE Confidence: 0.8450094

00:24:40.272 --> 00:24:42.540 eligible in the family to do genetic

NOTE Confidence: 0.8450094

00:24:42.540 --> 00:24:44.790 testing and when we can help to

NOTE Confidence: 0.8450094

00:24:44.790 --> 00:24:47.139 coordinate that testing for those relatives.

NOTE Confidence: 0.8450094

00:24:47.140 --> 00:24:49.795 And then we summarize a plan for follow up.

NOTE Confidence: 0.8450094

00:24:49.800 --> 00:24:50.390 I think.

NOTE Confidence: 0.8450094

00:24:50.390 --> 00:24:51.570 Also for genetic counselors,

NOTE Confidence: 0.8450094

00:24:51.570 --> 00:24:53.635 we can act a little bit like

NOTE Confidence: 0.8450094

00:24:53.635 --> 00:24:54.520 a patient navigator.

NOTE Confidence: 0.8450094

00:24:54.520 --> 00:24:56.880 So now that we've identified a genetic risk,

NOTE Confidence: 0.8450094

00:24:56.880 --> 00:24:59.391 how do we plug them into other high risk

NOTE Confidence: 0.8450094

00:24:59.391 --> 00:25:01.298 providers to manage that genetic risk?

NOTE Confidence: 0.8450094

00:25:01.300 --> 00:25:02.780 Now moving forward for them,

NOTE Confidence: 0.8450094

00:25:02.780 --> 00:25:03.342 you know,

NOTE Confidence: 0.8450094

00:25:03.342 --> 00:25:03.623 well,

NOTE Confidence: 0.8450094

00:25:03.623 --> 00:25:05.590 it's sort of might be a one

NOTE Confidence: 0.8573543

00:25:05.664 --> 00:25:07.214 stop shop. As I say,

NOTE Confidence: 0.8573543

00:25:07.214 --> 00:25:09.560 just have my patients in meeting with me.

NOTE Confidence: 0.8573543

00:25:09.560 --> 00:25:11.387 I then help to get them plugged

NOTE Confidence: 0.8573543

00:25:11.387 --> 00:25:12.810 in with those resources,

NOTE Confidence: 0.8573543

00:25:12.810 --> 00:25:15.330 so that really have that long

NOTE Confidence: 0.8573543

00:25:15.330 --> 00:25:17.774 term management that can be so

NOTE Confidence: 0.8573543

00:25:17.774 --> 00:25:19.814 key for many of our patients.

NOTE Confidence: 0.8573543

00:25:19.820 --> 00:25:21.850 So now that you've learned a little

NOTE Confidence: 0.8573543

00:25:21.850 --> 00:25:23.790 bit of the baseline information about

NOTE Confidence: 0.8573543

00:25:23.790 --> 00:25:26.830 what it is to be a genetic counselor,

NOTE Confidence: 0.8573543

00:25:26.830 --> 00:25:28.500 how the field was developed

NOTE Confidence: 0.8573543

00:25:28.500 --> 00:25:29.836 and has grown overtime,

NOTE Confidence: 0.8573543

00:25:29.840 --> 00:25:32.120 we hope today to take you through some

NOTE Confidence: 0.8573543

00:25:32.120 --> 00:25:34.847 of the various specialties here at Yale,

NOTE Confidence: 0.8573543

00:25:34.850 --> 00:25:35.816 New Haven Health,

NOTE Confidence: 0.8573543

00:25:35.816 --> 00:25:37.426 Yale Medicine to understand a

NOTE Confidence: 0.8573543

00:25:37.426 --> 00:25:39.357 little bit more about what it

NOTE Confidence: 0.8573543

00:25:39.357 --> 00:25:40.887 is from a day-to-day perspective

NOTE Confidence: 0.8573543

00:25:40.887 --> 00:25:42.528 for our genetic counselors.

NOTE Confidence: 0.8573543

00:25:42.530 --> 00:25:45.800 In each of these specialties.

NOTE Confidence: 0.8573543

00:25:45.800 --> 00:25:48.019 So Next up will be Amy Kelly,

NOTE Confidence: 0.8573543

00:25:48.020 --> 00:25:50.162 who is one of our cancer genetic

NOTE Confidence: 0.8573543

00:25:50.162 --> 00:25:51.510 counselors in our smile,

NOTE Confidence: 0.8573543

00:25:51.510 --> 00:25:52.778 cancer genetics and prevention

NOTE Confidence: 0.8573543

00:25:52.778 --> 00:25:54.678 program at Yale, New Haven Health.

NOTE Confidence: 0.87444085

00:25:58.980 --> 00:26:00.460 Amanda, I was hoping

NOTE Confidence: 0.87444085

00:26:00.460 --> 00:26:03.804 to ask you a question before just as we

NOTE Confidence: 0.87444085

00:26:03.804 --> 00:26:06.178 have 3 minutes before Amy's presentation.

NOTE Confidence: 0.87444085

00:26:06.178 --> 00:26:08.620 One of our participants here had

NOTE Confidence: 0.87444085

00:26:08.688 --> 00:26:10.774 brought up a good point and it

NOTE Confidence: 0.87444085

00:26:10.774 --> 00:26:12.340 said when creating pedigrees,

NOTE Confidence: 0.87444085

00:26:12.340 --> 00:26:14.470 does the family history just come

NOTE Confidence: 0.87444085

00:26:14.470 --> 00:26:16.420 from conversations with the patient?

NOTE Confidence: 0.87444085

00:26:16.420 --> 00:26:19.388 What is done in cases where there they

NOTE Confidence: 0.87444085

00:26:19.388 --> 00:26:21.983 might not be aware of these problems?

NOTE Confidence: 0.87444085

00:26:21.983 --> 00:26:23.096 And could you

NOTE Confidence: 0.87444085

00:26:23.100 --> 00:26:24.272 just elaborate on that?

NOTE Confidence: 0.87444085

00:26:24.272 --> 00:26:27.357 Yeah a lot of times we will ask patients

NOTE Confidence: 0.87444085

00:26:27.357 --> 00:26:29.877 to either contact relatives to learn

NOTE Confidence: 0.87444085

00:26:29.877 --> 00:26:32.089 information about their family history.

NOTE Confidence: 0.87444085

00:26:32.090 --> 00:26:33.458 Ahead of the appointment so that

NOTE Confidence: 0.87444085

00:26:33.458 --> 00:26:35.027 we have as much information going

NOTE Confidence: 0.87444085

00:26:35.027 --> 00:26:36.547 into the appointment as possible

NOTE Confidence: 0.87444085

00:26:36.547 --> 00:26:38.080 from a cancer perspective,

NOTE Confidence: 0.87444085

00:26:38.080 --> 00:26:39.500 we're mostly dealing with adults,

NOTE Confidence: 0.87444085

00:26:39.500 --> 00:26:41.210 so they usually have a some

NOTE Confidence: 0.87444085

00:26:41.210 --> 00:26:42.350 information either about themselves

NOTE Confidence: 0.87444085

00:26:42.402 --> 00:26:43.490 or their family members.

NOTE Confidence: 0.87444085

00:26:43.490 --> 00:26:46.055 But if not, can collect that ahead of time.

NOTE Confidence: 0.87444085

00:26:46.060 --> 00:26:47.686 Looking at things like the types

NOTE Confidence: 0.87444085

00:26:47.686 --> 00:26:49.190 of cancers in their family,

NOTE Confidence: 0.87444085

00:26:49.190 --> 00:26:51.294 the ages of onset now I'm sure in

NOTE Confidence: 0.87444085

00:26:51.294 --> 00:26:52.784 pediatric genetics and prenatal genetics

NOTE Confidence: 0.87444085

00:26:52.784 --> 00:26:54.602 might be a totally different in,

NOTE Confidence: 0.87444085

00:26:54.610 --> 00:26:55.970 you know what information we're

NOTE Confidence: 0.87444085

00:26:55.970 --> 00:26:57.330 collecting and who's able to

NOTE Confidence: 0.87444085

00:26:57.381 --> 00:26:58.876 share that information with them.

NOTE Confidence: 0.87444085

00:26:58.880 --> 00:26:59.450 You know,

NOTE Confidence: 0.87444085

00:26:59.450 --> 00:27:01.730 if we're looking at a baby or child,

NOTE Confidence: 0.87444085

00:27:01.730 --> 00:27:03.332 they're certainly not going to be

NOTE Confidence: 0.87444085

00:27:03.332 --> 00:27:05.110 the ones who sharing the family

NOTE Confidence: 0.87444085

00:27:05.110 --> 00:27:06.740 history with the genetic counselor.

NOTE Confidence: 0.87444085

00:27:06.740 --> 00:27:09.220 And it's going to be the parents instead,

NOTE Confidence: 0.87444085

00:27:09.220 --> 00:27:12.320 so I think it's all in who is the patient,

NOTE Confidence: 0.87444085

00:27:12.320 --> 00:27:13.488 how old they are,

NOTE Confidence: 0.87444085

00:27:13.488 --> 00:27:14.948 but we always encourage people

NOTE Confidence: 0.87444085

00:27:14.948 --> 00:27:16.955 to try and reach out to family

NOTE Confidence: 0.87444085

00:27:16.955 --> 00:27:18.468 members prior to the appointment

NOTE Confidence: 0.87444085

00:27:18.468 --> 00:27:20.918 to see if anyone might have similar

NOTE Confidence: 0.87444085

00:27:20.918 --> 00:27:22.829 features that are consistent with

NOTE Confidence: 0.87444085

00:27:22.829 --> 00:27:25.247 what we're being evaluated for in

NOTE Confidence: 0.87444085

00:27:25.247 --> 00:27:27.639 the genetic counseling session.

NOTE Confidence: 0.87444085

00:27:27.640 --> 00:27:28.250 Thank you.

NOTE Confidence: 0.8652239

00:27:32.200 --> 00:27:33.208 And some of

NOTE Confidence: 0.8652239

00:27:33.210 --> 00:27:34.116 the other questions,

NOTE Confidence: 0.8652239

00:27:34.116 --> 00:27:37.068 or at least one of them had to do

NOTE Confidence: 0.8652239

00:27:37.068 --> 00:27:38.620 with cancer genetic counseling.

NOTE Confidence: 0.8652239

00:27:38.620 --> 00:27:40.573 So I'll take that as your cue

NOTE Confidence: 0.8652239

00:27:40.573 --> 00:27:42.680 Amy to start your presentation.

NOTE Confidence: 0.8099432

00:27:44.370 --> 00:27:44.810 Great.

NOTE Confidence: 0.8858859

00:27:57.470 --> 00:27:59.022 OK, good afternoon everyone.

NOTE Confidence: 0.8858859

00:27:59.022 --> 00:28:02.756 I am so excited to be talking to you

NOTE Confidence: 0.8858859

00:28:02.756 --> 00:28:04.904 today about cancer, genetic counseling.

NOTE Confidence: 0.8858859

00:28:04.904 --> 00:28:06.964 My name is Amy Kelly.

NOTE Confidence: 0.8858859

00:28:06.970 --> 00:28:09.184 I am a cancer genetic counselor

NOTE Confidence: 0.8858859

00:28:09.184 --> 00:28:11.210 at the smilow cancer genetics

NOTE Confidence: 0.8858859

00:28:11.210 --> 00:28:13.575 and Prevention program at Yale,

NOTE Confidence: 0.8858859

00:28:13.580 --> 00:28:16.233 New Haven Health and just to give

NOTE Confidence: 0.8858859

00:28:16.233 --> 00:28:18.946 a very brief overview of cancer,

NOTE Confidence: 0.8858859

00:28:18.946 --> 00:28:20.596 genetic counseling and talk

NOTE Confidence: 0.8858859

00:28:20.596 --> 00:28:22.244 about my day today.

NOTE Confidence: 0.8858859

00:28:22.250 --> 00:28:24.728 But really, the goal of cancer,

NOTE Confidence: 0.8858859

00:28:24.730 --> 00:28:27.244 genetic counseling and testing is to

NOTE Confidence: 0.8858859

00:28:27.244 --> 00:28:28.920 identify a hereditary predisposition.

NOTE Confidence: 0.8858859

00:28:28.920 --> 00:28:31.580 Two cancer in an individual because that

NOTE Confidence: 0.8858859

00:28:31.580 --> 00:28:34.560 could be helpful in terms of someone

NOTE Confidence: 0.8858859

00:28:34.560 --> 00:28:36.328 can't someone's cancer treatment?

NOTE Confidence: 0.8858859

00:28:36.330 --> 00:28:38.810 And testing at risk relatives.

NOTE Confidence: 0.8858859

00:28:38.810 --> 00:28:41.780 So if there is a hereditary

NOTE Confidence: 0.8858859

00:28:41.780 --> 00:28:43.265 predisposition to cancer,

NOTE Confidence: 0.8858859

00:28:43.270 --> 00:28:47.238 we know who to test in the family.

NOTE Confidence: 0.8858859

00:28:47.240 --> 00:28:49.224 And depending upon the

NOTE Confidence: 0.8858859

00:28:49.224 --> 00:28:50.216 hereditary predisposition,

NOTE Confidence: 0.8858859

00:28:50.220 --> 00:28:52.200 there are certain cancer

NOTE Confidence: 0.8858859

00:28:52.200 --> 00:28:53.190 screenings management.

NOTE Confidence: 0.8858859

00:28:53.190 --> 00:28:54.406 Preventive surgeries

NOTE Confidence: 0.8858859

00:28:54.406 --> 00:28:56.230 were essentially someone.

NOTE Confidence: 0.8858859

00:28:56.230 --> 00:28:59.037 Could be prevented from developing a cancer,

NOTE Confidence: 0.8858859

00:28:59.040 --> 00:29:01.808 or it could be caught at a much

NOTE Confidence: 0.8858859

00:29:01.808 --> 00:29:03.870 earlier and treatable stage.

NOTE Confidence: 0.8858859

00:29:03.870 --> 00:29:05.474 To actually change outcomes.

NOTE Confidence: 0.8858859

00:29:05.474 --> 00:29:07.576 So really, the goal of cancer,

NOTE Confidence: 0.8858859

00:29:07.576 --> 00:29:09.520 genetic testing and counseling is to

NOTE Confidence: 0.8858859

00:29:09.579 --> 00:29:12.099 work with families in identifying

NOTE Confidence: 0.8858859

00:29:12.099 --> 00:29:13.107 hereditary predispositions,

NOTE Confidence: 0.8858859

00:29:13.110 --> 00:29:14.046 coordinating follow-up,

NOTE Confidence: 0.8858859

00:29:14.046 --> 00:29:16.854 and talking about the benefit of

NOTE Confidence: 0.8858859

00:29:16.854 --> 00:29:18.749 cancer prevention and screening.

NOTE Confidence: 0.8858859

00:29:18.750 --> 00:29:21.036 Now before I talk about specifically

NOTE Confidence: 0.8858859

00:29:21.036 --> 00:29:23.100 what I do day today,

NOTE Confidence: 0.8858859

00:29:23.100 --> 00:29:25.820 I want to go over my background.

NOTE Confidence: 0.8858859

00:29:25.820 --> 00:29:29.020 I did my undergraduate degree at Suni Oswego.

NOTE Confidence: 0.8858859

00:29:29.020 --> 00:29:32.002 I got my Bachelors of Science in

NOTE Confidence: 0.8858859

00:29:32.002 --> 00:29:35.048 zoology and I graduated in 2014.

NOTE Confidence: 0.8858859

00:29:35.050 --> 00:29:36.978 I then took a year off after I

NOTE Confidence: 0.8858859

00:29:36.978 --> 00:29:38.558 graduated to apply for genetic

NOTE Confidence: 0.8858859

00:29:38.558 --> 00:29:40.293 counseling programs and to sensually

NOTE Confidence: 0.8858859

00:29:40.293 --> 00:29:41.889 beef up my application.

NOTE Confidence: 0.8858859

00:29:41.890 --> 00:29:43.576 Our Bay Path students later on

NOTE Confidence: 0.8858859

00:29:43.576 --> 00:29:45.455 today will talk to you more

NOTE Confidence: 0.8858859

00:29:45.455 --> 00:29:47.180 specifically about what they did,

NOTE Confidence: 0.8858859

00:29:47.180 --> 00:29:50.036 but just wanted to put in that

NOTE Confidence: 0.8858859

00:29:50.036 --> 00:29:52.537 that is something I did as well.

NOTE Confidence: 0.8858859

00:29:52.540 --> 00:29:54.661 I graduated from the Icahn School of

NOTE Confidence: 0.8858859

00:29:54.661 --> 00:29:56.727 Medicine at Mount Sinai in New York

NOTE Confidence: 0.8858859

00:29:56.727 --> 00:29:59.050 City with My Masters in genetic counseling.

NOTE Confidence: 0.8858859

00:29:59.050 --> 00:30:01.164 I graduated in 2017 and I was

NOTE Confidence: 0.8858859

00:30:01.164 --> 00:30:03.080 board certified as of August 25th,

NOTE Confidence: 0.8858859

00:30:03.080 --> 00:30:03.376 2017,

NOTE Confidence: 0.8858859

00:30:03.376 --> 00:30:05.152 and I remember the date because

NOTE Confidence: 0.8858859

00:30:05.152 --> 00:30:06.799 when you pass your boards,

NOTE Confidence: 0.8858859

00:30:06.800 --> 00:30:09.460 you don't forget that date.

NOTE Confidence: 0.8858859

00:30:09.460 --> 00:30:12.225 And I've been with the smilow Cancer

NOTE Confidence: 0.8858859

00:30:12.225 --> 00:30:14.390 Genics program since June of 2017.

NOTE Confidence: 0.8858859

00:30:14.390 --> 00:30:14.750 Sir,

NOTE Confidence: 0.8858859

00:30:14.750 --> 00:30:17.270 so almost four years and my specialty

NOTE Confidence: 0.8858859

00:30:17.270 --> 00:30:20.066 is direct patient care and cancer only.

NOTE Confidence: 0.8858859

00:30:20.070 --> 00:30:22.344 So when Amanda was talking about

NOTE Confidence: 0.8858859

00:30:22.344 --> 00:30:23.860 single or multiple specialties,

NOTE Confidence: 0.8858859

00:30:23.860 --> 00:30:26.140 my focus and specialty is cancer.

NOTE Confidence: 0.8642866

00:30:28.940 --> 00:30:31.858 So Amanda talked about the risk assessment,

NOTE Confidence: 0.8642866

00:30:31.858 --> 00:30:33.586 so with hereditary cancer

NOTE Confidence: 0.8642866

00:30:33.586 --> 00:30:35.482 predispositions we look for quote

NOTE Confidence: 0.8642866

00:30:35.482 --> 00:30:37.736 unquote red flags that would appear in

NOTE Confidence: 0.8642866

00:30:37.806 --> 00:30:40.056 someone's personal or family history.

NOTE Confidence: 0.8642866

00:30:40.060 --> 00:30:42.811 That might increase suspicion of a hereditary

NOTE Confidence: 0.8642866

00:30:42.811 --> 00:30:44.420 predisposition to developing cancer.

NOTE Confidence: 0.86014587

00:30:47.550 --> 00:30:49.632 So one of the biggest red

NOTE Confidence: 0.86014587

00:30:49.632 --> 00:30:51.942 flags that we might see is

NOTE Confidence: 0.86014587

00:30:51.942 --> 00:30:54.037 cancer diagnosed at early ages.

NOTE Confidence: 0.86014587

00:30:54.040 --> 00:30:56.334 It is dependent on cancer type,

NOTE Confidence: 0.86014587

00:30:56.334 --> 00:30:58.638 but when we see cancer at

NOTE Confidence: 0.86014587

00:30:58.638 --> 00:31:00.160 an unexpectedly young age,

NOTE Confidence: 0.86014587

00:31:00.160 --> 00:31:02.120 like for example breast cancer

NOTE Confidence: 0.86014587

00:31:02.120 --> 00:31:04.360 diagnosed at age 45 under 50,

NOTE Confidence: 0.86014587

00:31:04.360 --> 00:31:06.406 that is an earlier than expected

NOTE Confidence: 0.86014587

00:31:06.406 --> 00:31:08.560 age of a cancer diagnosis.

NOTE Confidence: 0.86014587

00:31:08.560 --> 00:31:10.470 Another one could be colon

NOTE Confidence: 0.86014587

00:31:10.470 --> 00:31:11.998 cancer diagnosis under 50,

NOTE Confidence: 0.86014587

00:31:12.000 --> 00:31:14.205 so seeing early age in a person

NOTE Confidence: 0.86014587

00:31:14.205 --> 00:31:16.202 or in someone's relatives could

NOTE Confidence: 0.86014587

00:31:16.202 --> 00:31:18.647 increase suspicion of a hereditary.

NOTE Confidence: 0.86014587

00:31:18.650 --> 00:31:19.470 Predisposition.

NOTE Confidence: 0.88505405

00:31:21.610 --> 00:31:24.697 Another thing we see is you might see a

NOTE Confidence: 0.88505405

00:31:24.697 --> 00:31:27.577 family where there's multiple relatives.

NOTE Confidence: 0.88505405

00:31:27.580 --> 00:31:28.510 Grandparents, aunts,

NOTE Confidence: 0.88505405

00:31:28.510 --> 00:31:31.765 someone's parents with the same type of

NOTE Confidence: 0.88505405

00:31:31.765 --> 00:31:34.948 cancer like multiple odds with breast cancer.

NOTE Confidence: 0.88505405

00:31:34.950 --> 00:31:36.930 Or we can see associated cancers

NOTE Confidence: 0.88505405

00:31:36.930 --> 00:31:39.201 because what we know about hereditary

NOTE Confidence: 0.88505405

00:31:39.201 --> 00:31:41.411 cancer predispositions is there can

NOTE Confidence: 0.88505405

00:31:41.411 --> 00:31:43.677 be multiple cancer risks associated

NOTE Confidence: 0.88505405

00:31:43.677 --> 00:31:45.857 with a single previous position.

NOTE Confidence: 0.88505405

00:31:45.860 --> 00:31:47.880 So, for example, breast, ovarian,

NOTE Confidence: 0.88505405

00:31:47.880 --> 00:31:50.298 and pancreatic cancer in the family,

NOTE Confidence: 0.88505405

00:31:50.300 --> 00:31:53.524 even though they're not the same cancer type.

NOTE Confidence: 0.88505405

00:31:53.530 --> 00:31:56.127 Seeing them in one family can increase

NOTE Confidence: 0.88505405

00:31:56.127 --> 00:31:58.143 my suspicion of a predisposition

NOTE Confidence: 0.88505405

00:31:58.143 --> 00:32:01.034 because we know there are single genes

NOTE Confidence: 0.88505405

00:32:01.034 --> 00:32:03.996 that can cause risk of multiple cancer

NOTE Confidence: 0.88505405

00:32:03.996 --> 00:32:06.085 types and other associated cancers.

NOTE Confidence: 0.88505405

00:32:06.085 --> 00:32:09.130 That we would talk about might be

NOTE Confidence: 0.88505405

00:32:09.130 --> 00:32:11.588 colon cancer and uterine cancer.

NOTE Confidence: 0.88505405

00:32:11.590 --> 00:32:12.850 In rare cancers,

NOTE Confidence: 0.88505405

00:32:12.850 --> 00:32:16.210 not every single cancer that is rare is

NOTE Confidence: 0.88505405

00:32:16.210 --> 00:32:18.310 necessarily related to hereditary risk,

NOTE Confidence: 0.88505405

00:32:18.310 --> 00:32:20.686 but specific types of rare cancers

NOTE Confidence: 0.88505405

00:32:20.686 --> 00:32:23.350 or tumors might make me suspicious.

NOTE Confidence: 0.88505405

00:32:23.350 --> 00:32:25.450 So ovarian cancer, pancreatic cancer,

NOTE Confidence: 0.88505405

00:32:25.450 --> 00:32:27.970 and breast cancer in a man.

NOTE Confidence: 0.88505405

00:32:27.970 --> 00:32:29.650 Those are quite uncommon,

NOTE Confidence: 0.88505405

00:32:29.650 --> 00:32:32.272 and given that their uncommon when we

NOTE Confidence: 0.88505405

00:32:32.272 --> 00:32:36.551 see them in a family we think about is

NOTE Confidence: 0.88505405

00:32:36.551 --> 00:32:39.281 their hereditary predisposition causing that.

NOTE Confidence: 0.88505405

00:32:39.290 --> 00:32:41.712 There's even rare tumors which are called

NOTE Confidence: 0.88505405

00:32:41.712 --> 00:32:42.750 paraganglioma's in Pheochromocytomas,

NOTE Confidence: 0.88505405

00:32:42.750 --> 00:32:45.342 which I don't expect you to know or

NOTE Confidence: 0.88505405

00:32:45.342 --> 00:32:48.263 be able to pronounce when you see them

NOTE Confidence: 0.88505405

00:32:48.263 --> 00:32:50.894 for the first time, but rare there.

NOTE Confidence: 0.88505405

00:32:50.894 --> 00:32:52.934 Essentially rare tumors are usually

NOTE Confidence: 0.88505405

00:32:52.934 --> 00:32:55.107 benign that are found along the.

NOTE Confidence: 0.88505405

00:32:55.110 --> 00:32:57.950 This access of the body or for the

NOTE Confidence: 0.88505405

00:32:57.950 --> 00:32:59.395 pheochromocytomas found on the

NOTE Confidence: 0.88505405

00:32:59.395 --> 00:33:00.067 adrenal glands,

NOTE Confidence: 0.88505405

00:33:00.070 --> 00:33:02.894 so these are very specific type of tumors.

NOTE Confidence: 0.88505405

00:33:02.900 --> 00:33:05.018 But when your cancer genetic counselor,

NOTE Confidence: 0.88505405

00:33:05.020 --> 00:33:07.582 you know to look for specific

NOTE Confidence: 0.88505405

00:33:07.582 --> 00:33:08.863 tumor types that.

NOTE Confidence: 0.88505405

00:33:08.870 --> 00:33:11.336 If they're rare, you know that,

NOTE Confidence: 0.88505405

00:33:11.340 --> 00:33:11.750 OK,

NOTE Confidence: 0.88505405

00:33:11.750 --> 00:33:14.210 this might be indicative of predisposition.

NOTE Confidence: 0.84668714

00:33:16.200 --> 00:33:17.568 In cancers that are

NOTE Confidence: 0.84668714

00:33:17.570 --> 00:33:18.252 unusually aggressive,

NOTE Confidence: 0.84668714

00:33:18.252 --> 00:33:19.616 so specifically prostate cancer,

NOTE Confidence: 0.84668714

00:33:19.620 --> 00:33:22.007 which is common in men to have,

NOTE Confidence: 0.84668714

00:33:22.010 --> 00:33:23.720 but it's less common for

NOTE Confidence: 0.84668714

00:33:23.720 --> 00:33:25.430 that cancer to become meta,

NOTE Confidence: 0.84668714

00:33:25.430 --> 00:33:26.762 static or aggressive,

NOTE Confidence: 0.84668714

00:33:26.762 --> 00:33:29.870 so something else to think about when

NOTE Confidence: 0.84668714

00:33:29.954 --> 00:33:32.817 we're doing a family tree or pedigree.

NOTE Confidence: 0.84668714

00:33:32.820 --> 00:33:34.580 Or again kind of similar

NOTE Confidence: 0.84668714

00:33:34.580 --> 00:33:35.988 to the earlier point,

NOTE Confidence: 0.84668714

00:33:35.990 --> 00:33:38.300 but if some one person has bilateral

NOTE Confidence: 0.84668714

00:33:38.300 --> 00:33:40.920 breast cancer or colon and uterine cancer,

NOTE Confidence: 0.84668714

00:33:40.920 --> 00:33:43.242 that might make me more suspicious

NOTE Confidence: 0.84668714

00:33:43.242 --> 00:33:46.059 that they could have a predisposition.

NOTE Confidence: 0.84668714

00:33:46.060 --> 00:33:46.890 And finally,

NOTE Confidence: 0.84668714

00:33:46.890 --> 00:33:48.965 individuals of Ashkenazi Jewish ancestry,

NOTE Confidence: 0.84668714

00:33:48.970 --> 00:33:51.483 we do see a higher prevalence of

NOTE Confidence: 0.84668714

00:33:51.483 --> 00:33:53.631 hereditary breast and ovarian cancer

NOTE Confidence: 0.84668714

00:33:53.631 --> 00:33:55.627 syndrome in those individuals,

NOTE Confidence: 0.84668714

00:33:55.630 --> 00:33:58.220 so we do take into account ancestry

NOTE Confidence: 0.84668714

00:33:58.220 --> 00:34:00.200 during the risk assessment.

NOTE Confidence: 0.81646645

00:34:03.350 --> 00:34:05.800 So time for this. A brief poll.

NOTE Confidence: 0.81646645

00:34:05.800 --> 00:34:08.380 I think Alex will pull it up so a is

NOTE Confidence: 0.81646645

00:34:08.461 --> 00:34:11.046 corresponding to the pedigree below.

NOTE Confidence: 0.81646645

00:34:11.050 --> 00:34:13.423 Right below it B is corresponding to

NOTE Confidence: 0.81646645

00:34:13.423 --> 00:34:15.965 the pedigree right above it and sees

NOTE Confidence: 0.81646645

00:34:15.965 --> 00:34:18.400 corresponding to the pedigree right below it.

NOTE Confidence: 0.81646645

00:34:18.400 --> 00:34:21.550 So just little just a little fun fun pull.

NOTE Confidence: 0.81646645

00:34:21.550 --> 00:34:22.950 Which of these individuals

NOTE Confidence: 0.81646645

00:34:22.950 --> 00:34:24.000 which are identical,

NOTE Confidence: 0.81646645

00:34:24.000 --> 00:34:26.450 identified by the arrow pointing below them,

NOTE Confidence: 0.81646645

00:34:26.450 --> 00:34:28.550 is most likely to have a

NOTE Confidence: 0.81646645

00:34:28.550 --> 00:34:29.600 hereditary cancer predisposition?

NOTE Confidence: 0.81646645

00:34:29.600 --> 00:34:32.054 So based on what I talked

NOTE Confidence: 0.81646645

00:34:32.054 --> 00:34:33.690 about with red flags.

NOTE Confidence: 0.81646645

00:34:33.690 --> 00:34:35.530 Which of these individuals needs

NOTE Confidence: 0.81646645

00:34:35.530 --> 00:34:38.110 pedigrees would you be most suspicious?

NOTE Confidence: 0.81646645

00:34:38.110 --> 00:34:41.956 Of having a hereditary cancer risk.

NOTE Confidence: 0.81646645

00:34:41.960 --> 00:34:44.900 And I'll just give a couple.

NOTE Confidence: 0.81646645

00:34:44.900 --> 00:34:46.500 30 seconds or so, Alex,

NOTE Confidence: 0.81646645

00:34:46.500 --> 00:34:49.362 Alex and tell me when when it's all set.

NOTE Confidence: 0.8431895

00:34:53.870 --> 00:34:57.108 The votes are pouring in. Let's give

NOTE Confidence: 0.8431895

00:34:57.108 --> 00:35:00.230 it maybe another 10 seconds, alright?

NOTE Confidence: 0.8735525

00:35:09.070 --> 00:35:11.109 Just so folks can have some time to think.

NOTE Confidence: 0.89417976

00:35:24.550 --> 00:35:28.960 Let's see. So most people said.

NOTE Confidence: 0.89417976

00:35:28.960 --> 00:35:32.848 Said said be which which I know I can see

NOTE Confidence: 0.89417976

00:35:32.848 --> 00:35:35.952 what from my perspective I would say see.

NOTE Confidence: 0.89417976

00:35:35.960 --> 00:35:38.936 Just because there is one person who was

NOTE Confidence: 0.89417976

00:35:38.936 --> 00:35:41.408 diagnosed quite young with breast cancer.

NOTE Confidence: 0.89417976

00:35:41.410 --> 00:35:44.511 But I do see where you're with with

NOTE Confidence: 0.89417976

00:35:44.511 --> 00:35:47.178 B where there are two women with

NOTE Confidence: 0.89417976

00:35:47.178 --> 00:35:49.700 breast cancer but something that I

NOTE Confidence: 0.89417976

00:35:49.700 --> 00:35:52.214 also think about is that especially

NOTE Confidence: 0.89417976

00:35:52.293 --> 00:35:54.538 breast cancer at more typical.

NOTE Confidence: 0.89417976

00:35:54.540 --> 00:35:58.077 Ages, which would be over the age of 50,

NOTE Confidence: 0.89417976

00:35:58.080 --> 00:36:00.402 when a woman's after menopause in

NOTE Confidence: 0.89417976

00:36:00.402 --> 00:36:02.803 a couple relatives is not very

NOTE Confidence: 0.89417976

00:36:02.803 --> 00:36:05.470 suspicious of a predisposition, but.

NOTE Confidence: 0.89417976

00:36:05.470 --> 00:36:07.570 Definitely you know it is something

NOTE Confidence: 0.89417976

00:36:07.570 --> 00:36:09.490 that can can raise a flag,

NOTE Confidence: 0.89417976

00:36:09.490 --> 00:36:11.500 but also, especially if it wasn't

NOTE Confidence: 0.89417976

00:36:11.500 --> 00:36:12.505 multiple generations out.

NOTE Confidence: 0.89417976

00:36:12.510 --> 00:36:15.030 Probably make me a little bit more

NOTE Confidence: 0.89417976

00:36:15.030 --> 00:36:16.858 suspicious for the case of B.

NOTE Confidence: 0.8569151

00:36:23.370 --> 00:36:26.062 So let's talk about it just to brief

NOTE Confidence: 0.8569151

00:36:26.062 --> 00:36:28.078 briefly talk about a typical day

NOTE Confidence: 0.8569151

00:36:28.078 --> 00:36:29.552 with cancer, genetic counseling.

NOTE Confidence: 0.8569151

00:36:29.552 --> 00:36:32.359 So I think the best way to

NOTE Confidence: 0.8569151

00:36:32.359 --> 00:36:34.160 illustrate this is just talk

NOTE Confidence: 0.8569151

00:36:34.160 --> 00:36:36.500 through an actual case that I saw.

NOTE Confidence: 0.8569151

00:36:36.500 --> 00:36:38.690 So when I pull up the pedigree,

NOTE Confidence: 0.8569151

00:36:38.690 --> 00:36:40.910 I know it looks like a lot,

NOTE Confidence: 0.8569151

00:36:40.910 --> 00:36:43.240 but the first thing I do when I

NOTE Confidence: 0.8569151

00:36:43.240 --> 00:36:46.009 see a case is a lot of what we

NOTE Confidence: 0.8569151

00:36:46.009 --> 00:36:48.470 do is we are doing chart prep.

NOTE Confidence: 0.8569151

00:36:48.470 --> 00:36:50.045 I'm looking at this patient's

NOTE Confidence: 0.8569151

00:36:50.045 --> 00:36:50.675 medical history.

NOTE Confidence: 0.8569151

00:36:50.680 --> 00:36:53.200 This patient too with the big yellow arrow.

NOTE Confidence: 0.8569151

00:36:53.200 --> 00:36:55.612 There she is a 63 year old female who

NOTE Confidence: 0.8569151

00:36:55.612 --> 00:36:58.235 was diagnosed with breast cancer at 56.

NOTE Confidence: 0.8569151

00:36:58.240 --> 00:36:59.848 So I'm looking at pathology records

NOTE Confidence: 0.8569151

00:36:59.848 --> 00:37:01.687 and looking at her treatment I'm

NOTE Confidence: 0.8569151

00:37:01.687 --> 00:37:03.472 looking at other cancer screening

NOTE Confidence: 0.8569151

00:37:03.472 --> 00:37:04.850 like colonoscopy reports does.

NOTE Confidence: 0.8569151

00:37:04.850 --> 00:37:06.930 Did you see a dermatologist?

NOTE Confidence: 0.8569151

00:37:06.930 --> 00:37:08.690 Does she take any hormones,

NOTE Confidence: 0.8569151

00:37:08.690 --> 00:37:10.574 any major gynecological surgeries?

NOTE Confidence: 0.8569151

00:37:10.574 --> 00:37:13.400 I'm taking all this in sharp

NOTE Confidence: 0.8569151

00:37:13.482 --> 00:37:15.938 prep and then I take what I know

NOTE Confidence: 0.8569151

00:37:15.938 --> 00:37:17.749 from the family history.

NOTE Confidence: 0.8569151

00:37:17.750 --> 00:37:19.400 A prior to the appointment,

NOTE Confidence: 0.8569151

00:37:19.400 --> 00:37:21.418 but during the appointment the mid

NOTE Confidence: 0.8569151

00:37:21.418 --> 00:37:23.861 we collect the majority of the family

NOTE Confidence: 0.8569151

00:37:23.861 --> 00:37:25.958 history where we ask about cancer

NOTE Confidence: 0.8569151

00:37:25.958 --> 00:37:28.464 diagnosis and if there is a cancer

NOTE Confidence: 0.8569151

00:37:28.464 --> 00:37:31.124 diagnosis at what age where they diagnosed.

NOTE Confidence: 0.8569151

00:37:31.130 --> 00:37:33.530 In this family she had never

NOTE Confidence: 0.8569151

00:37:33.530 --> 00:37:35.238 had genetic testing before,

NOTE Confidence: 0.8569151

00:37:35.238 --> 00:37:37.854 but she was prompted because she

NOTE Confidence: 0.8569151

00:37:37.854 --> 00:37:40.502 has a cousin on her mom's side

NOTE Confidence: 0.8569151

00:37:40.502 --> 00:37:41.926 who had breast cancer,

NOTE Confidence: 0.8569151

00:37:41.930 --> 00:37:44.990 who reports has an ATM mutation.

NOTE Confidence: 0.8569151

00:37:44.990 --> 00:37:47.461 ATM is a moderate risk breast cancer

NOTE Confidence: 0.8569151

00:37:47.461 --> 00:37:49.408 gene which possibly could explain

NOTE Confidence: 0.8569151

00:37:49.408 --> 00:37:51.458 why her cousin developed breast

NOTE Confidence: 0.8569151

00:37:51.458 --> 00:37:54.156 cancer so she was concerned about her

NOTE Confidence: 0.8569151

00:37:54.156 --> 00:37:56.448 risk of having that seem mutation.

NOTE Confidence: 0.86037457

00:37:57.420 --> 00:37:58.948 But when we're looking

NOTE Confidence: 0.86037457

00:37:58.950 --> 00:38:00.390 at the family tree,

NOTE Confidence: 0.86037457

00:38:00.390 --> 00:38:03.150 of course we take limitations into account.

NOTE Confidence: 0.86037457

00:38:03.150 --> 00:38:05.442 I did not have records confirming

NOTE Confidence: 0.86037457

00:38:05.442 --> 00:38:06.970 the genetic test results,

NOTE Confidence: 0.86037457

00:38:06.970 --> 00:38:08.938 but per the patient report,

NOTE Confidence: 0.86037457

00:38:08.938 --> 00:38:11.392 her aunt so her cousins mother

NOTE Confidence: 0.86037457

00:38:11.392 --> 00:38:13.296 tested negative and her uncle

NOTE Confidence: 0.86037457

00:38:13.296 --> 00:38:14.986 who's not a blood relative.

NOTE Confidence: 0.86037457

00:38:14.990 --> 00:38:16.900 So for Cousins father tested

NOTE Confidence: 0.86037457

00:38:16.900 --> 00:38:18.810 positive for the ATM mutation.

NOTE Confidence: 0.86037457

00:38:18.810 --> 00:38:20.722 So we had this conversation

NOTE Confidence: 0.86037457

00:38:20.722 --> 00:38:22.633 where we don't have records,

NOTE Confidence: 0.86037457

00:38:22.633 --> 00:38:25.255 but it seems like you're not at

NOTE Confidence: 0.86037457

00:38:25.255 --> 00:38:27.870 risk for having this ATM mutation.

NOTE Confidence: 0.86037457

00:38:27.870 --> 00:38:30.734 Also reassuring that her mom is living 83,

NOTE Confidence: 0.86037457

00:38:30.740 --> 00:38:32.540 doing well other family history.

NOTE Confidence: 0.86037457

00:38:32.540 --> 00:38:34.598 I would look at is you

NOTE Confidence: 0.86037457

00:38:34.598 --> 00:38:36.490 know on her mom's side.

NOTE Confidence: 0.86037457

00:38:36.490 --> 00:38:38.375 There is an ovarian cancer

NOTE Confidence: 0.86037457

00:38:38.375 --> 00:38:40.774 and we talked about breast and

NOTE Confidence: 0.86037457

00:38:40.774 --> 00:38:42.969 ovarian cancer can be associated.

NOTE Confidence: 0.86037457

00:38:42.970 --> 00:38:44.542 But a little bit distant

NOTE Confidence: 0.86037457

00:38:44.542 --> 00:38:46.414 to her in a great aunt,

NOTE Confidence: 0.86037457

00:38:46.420 --> 00:38:48.312 so we did talk about that.

NOTE Confidence: 0.86037457

00:38:48.312 --> 00:38:50.194 That you know on moms side

NOTE Confidence: 0.86037457

00:38:50.194 --> 00:38:51.450 we're seeing some cancer,

NOTE Confidence: 0.86037457

00:38:51.450 --> 00:38:53.508 but a little bit distant to you

NOTE Confidence: 0.86037457

00:38:53.508 --> 00:38:55.437 and this ATM mutation seems like

NOTE Confidence: 0.86037457

00:38:55.437 --> 00:38:57.726 it's not a risk of having it.

NOTE Confidence: 0.86037457

00:38:57.730 --> 00:38:59.614 But we always take both sides

NOTE Confidence: 0.86037457

00:38:59.614 --> 00:39:01.184 the family into account, right?

NOTE Confidence: 0.86037457

00:39:01.184 --> 00:39:03.066 So on Dad side, we look.

NOTE Confidence: 0.86037457

00:39:03.066 --> 00:39:04.318 And as I said,

NOTE Confidence: 0.86037457

00:39:04.320 --> 00:39:06.210 prostate cancer is common in men,

NOTE Confidence: 0.86037457

00:39:06.210 --> 00:39:08.394 but less common to be meta static,

NOTE Confidence: 0.86037457

00:39:08.400 --> 00:39:09.975 she reports her uncle died

NOTE Confidence: 0.86037457

00:39:09.975 --> 00:39:10.920 from prostate cancer.

NOTE Confidence: 0.86037457

00:39:10.920 --> 00:39:12.490 In Dad side is small.

NOTE Confidence: 0.86037457

00:39:12.490 --> 00:39:14.500 He only had one brother.

NOTE Confidence: 0.86037457

00:39:14.500 --> 00:39:17.377 So really when we do this assessment,

NOTE Confidence: 0.86037457

00:39:17.380 --> 00:39:19.324 we're looking at individuals,

NOTE Confidence: 0.86037457

00:39:19.324 --> 00:39:21.268 their ages of diagnosis.

NOTE Confidence: 0.86037457

00:39:21.270 --> 00:39:22.950 What is increasing suspicion and

NOTE Confidence: 0.86037457

00:39:22.950 --> 00:39:24.974 my patient was not diagnosed at

NOTE Confidence: 0.86037457

00:39:24.974 --> 00:39:27.333 a young age right now under 50,

NOTE Confidence: 0.86037457

00:39:27.340 --> 00:39:29.358 but we talked about, you know,

NOTE Confidence: 0.86037457

00:39:29.360 --> 00:39:31.040 given that your uncle has

NOTE Confidence: 0.86037457

00:39:31.040 --> 00:39:32.048 metastatic prostate cancer,

NOTE Confidence: 0.86037457

00:39:32.050 --> 00:39:34.006 your history of breast cancer definitely

NOTE Confidence: 0.86037457

00:39:34.006 --> 00:39:36.099 makes sense to do some testing.

NOTE Confidence: 0.86179334

00:39:39.150 --> 00:39:40.658 So we talked about,

NOTE Confidence: 0.86179334

00:39:40.660 --> 00:39:42.540 we talked about genetic testing,

NOTE Confidence: 0.86179334

00:39:42.540 --> 00:39:46.315 which I know this is all coming all at once.

NOTE Confidence: 0.86179334

00:39:46.315 --> 00:39:48.946 But when we talk about genetic testing,

NOTE Confidence: 0.86179334

00:39:48.950 --> 00:39:51.288 you know we talk about the risks

NOTE Confidence: 0.86179334

00:39:51.288 --> 00:39:53.479 and benefits of genetic testing.

NOTE Confidence: 0.86179334

00:39:53.480 --> 00:39:56.864 Oftentimes we do now in the era of cancer,

NOTE Confidence: 0.86179334

00:39:56.870 --> 00:39:59.126 genetics is we do more comprehensive.

NOTE Confidence: 0.86179334

00:39:59.130 --> 00:40:00.414 We call panel testing.

NOTE Confidence: 0.86179334

00:40:00.414 --> 00:40:02.340 So looking at genes related to

NOTE Confidence: 0.86179334

00:40:02.407 --> 00:40:04.407 hereditary breast ovarian cancer,

NOTE Confidence: 0.86179334

00:40:04.410 --> 00:40:06.242 uterine cancer, colon cancer,

NOTE Confidence: 0.86179334

00:40:06.242 --> 00:40:10.437 and other cancers so it can be quite a broad.

NOTE Confidence: 0.86179334

00:40:10.440 --> 00:40:12.729 Range of cancer risk that we're looking

NOTE Confidence: 0.86179334

00:40:12.729 --> 00:40:15.177 at and we we talked through the patient

NOTE Confidence: 0.86179334

00:40:15.177 --> 00:40:17.079 about the benefit of genetic testing.

NOTE Confidence: 0.86179334

00:40:17.080 --> 00:40:18.728 What it means for.

NOTE Confidence: 0.86179334

00:40:18.728 --> 00:40:19.964 The patient herself,

NOTE Confidence: 0.86179334

00:40:19.970 --> 00:40:21.722 what it means for her relatives

NOTE Confidence: 0.86179334

00:40:21.722 --> 00:40:23.367 and what types of cancer

NOTE Confidence: 0.86179334

00:40:23.367 --> 00:40:25.407 screening and prevention would be.

NOTE Confidence: 0.86179334

00:40:25.410 --> 00:40:27.110 She might be eligible for

NOTE Confidence: 0.86179334

00:40:27.110 --> 00:40:28.470 or recommended to pursue,

NOTE Confidence: 0.86179334

00:40:28.470 --> 00:40:30.680 or what her relatives might

NOTE Confidence: 0.86179334

00:40:30.680 --> 00:40:32.448 be recommended to pursue.

NOTE Confidence: 0.86179334

00:40:32.450 --> 00:40:35.912 And I know this is a list of long genes,

NOTE Confidence: 0.86179334

00:40:35.912 --> 00:40:37.825 but some people might recognize BRCA

NOTE Confidence: 0.86179334

00:40:37.825 --> 00:40:40.215 one and BRCA two related to hereditary

NOTE Confidence: 0.86179334

00:40:40.215 --> 00:40:42.135 breast and ovarian cancer syndrome,

NOTE Confidence: 0.86179334

00:40:42.140 --> 00:40:43.870 colloquially called the Braca genes.

NOTE Confidence: 0.86179334

00:40:43.870 --> 00:40:46.384 These are often the most common

NOTE Confidence: 0.86179334

00:40:46.384 --> 00:40:48.060 genes people know about.

NOTE Confidence: 0.86179334

00:40:48.060 --> 00:40:49.998 And but there are other genes

NOTE Confidence: 0.86179334

00:40:49.998 --> 00:40:52.446 that we test for related to risk

NOTE Confidence: 0.86179334

00:40:52.446 --> 00:40:54.246 of risk of breast cancer,

NOTE Confidence: 0.86179334

00:40:54.250 --> 00:40:56.320 including high risk of breast cancer,

NOTE Confidence: 0.86179334

00:40:56.320 --> 00:40:58.040 moderate risk of breast cancer.

NOTE Confidence: 0.86179334

00:40:58.040 --> 00:41:00.483 Lynch syndrome is 1 syndrome that might

NOTE Confidence: 0.86179334

00:41:00.483 --> 00:41:02.631 be included related to mainly risk

NOTE Confidence: 0.86179334

00:41:02.631 --> 00:41:04.695 of colon and uterine cancer engines

NOTE Confidence: 0.86179334

00:41:04.695 --> 00:41:06.638 related to risk of ovarian cancer.

NOTE Confidence: 0.86179334

00:41:06.640 --> 00:41:09.034 So again this is not a test.

NOTE Confidence: 0.86179334

00:41:09.040 --> 00:41:11.441 Not expecting to know all these genes

NOTE Confidence: 0.86179334

00:41:11.441 --> 00:41:14.267 but we look when we look at these

NOTE Confidence: 0.86179334

00:41:14.267 --> 00:41:16.709 jeans were essentially looking at as

NOTE Confidence: 0.86179334

00:41:16.709 --> 00:41:19.387 many as possible to rule out as many.

NOTE Confidence: 0.86179334

00:41:19.390 --> 00:41:20.890 Possible predispositions to cancer,

NOTE Confidence: 0.86179334

00:41:20.890 --> 00:41:23.482 and we talk about the risk and

NOTE Confidence: 0.86179334

00:41:23.482 --> 00:41:25.618 benefits of doing testing and this

NOTE Confidence: 0.86179334

00:41:25.618 --> 00:41:28.020 patient she wanted to pursue testing.

NOTE Confidence: 0.86179334

00:41:28.020 --> 00:41:30.659 I coordinate that with her Center for

NOTE Confidence: 0.86179334

00:41:30.659 --> 00:41:33.266 the blood work sent into the lab,

NOTE Confidence: 0.86179334

00:41:33.266 --> 00:41:34.390 placed the order,

NOTE Confidence: 0.86179334

00:41:34.390 --> 00:41:36.265 sending all the associated paperwork

NOTE Confidence: 0.86179334

00:41:36.265 --> 00:41:37.390 for insurance purposes,

NOTE Confidence: 0.86179334

00:41:37.390 --> 00:41:41.116 and then I got her results.

NOTE Confidence: 0.86179334

00:41:41.120 --> 00:41:45.446 And she was positive for a mutation

NOTE Confidence: 0.86179334

00:41:45.446 --> 00:41:47.300 in BRCA one.

NOTE Confidence: 0.86179334

00:41:47.300 --> 00:41:47.663 Which,

NOTE Confidence: 0.86179334

00:41:47.663 --> 00:41:50.569 if which was I have to say it

NOTE Confidence: 0.86179334

00:41:50.570 --> 00:41:52.380 was a little bit surprising,

NOTE Confidence: 0.86179334

00:41:52.380 --> 00:41:55.148 but if we think back to the family

NOTE Confidence: 0.86179334

00:41:55.148 --> 00:41:57.460 tree her dad side was small,

NOTE Confidence: 0.86179334

00:41:57.460 --> 00:41:59.812 BRCA one does have a slightly increased

NOTE Confidence: 0.86179334

00:41:59.812 --> 00:42:02.180 risk for men for prostate cancer,

NOTE Confidence: 0.86179334

00:42:02.180 --> 00:42:03.995 so possibly could explain why

NOTE Confidence: 0.86179334

00:42:03.995 --> 00:42:05.810 her uncle had prostate cancer.

NOTE Confidence: 0.86179334

00:42:05.810 --> 00:42:07.270 You can see there.

NOTE Confidence: 0.86179334

00:42:07.270 --> 00:42:09.958 There's another type of result called a

NOTE Confidence: 0.86179334

00:42:09.958 --> 00:42:12.400 variant of uncertain significance which.

NOTE Confidence: 0.86179334

00:42:12.400 --> 00:42:14.494 All genetic counselors deal with is

NOTE Confidence: 0.86179334

00:42:14.494 --> 00:42:17.331 just variation in a gene that has not

NOTE Confidence: 0.86179334

00:42:17.331 --> 00:42:19.899 yet been classified to cause disease or not.

NOTE Confidence: 0.86179334

00:42:19.900 --> 00:42:22.287 The lab needs to collect more information,

NOTE Confidence: 0.86179334

00:42:22.290 --> 00:42:25.626 but it was not clinically actionable.

NOTE Confidence: 0.86179334

00:42:25.630 --> 00:42:28.324 So for this patient you know it

NOTE Confidence: 0.86179334

00:42:28.324 --> 00:42:30.159 was a very thorough conversation

NOTE Confidence: 0.86179334

00:42:30.159 --> 00:42:32.560 about calling the patient with the

NOTE Confidence: 0.86179334

00:42:32.560 --> 00:42:34.615 results explaining what that means,

NOTE Confidence: 0.86179334

00:42:34.620 --> 00:42:36.190 explaining recommendations for her,

NOTE Confidence: 0.86179334

00:42:36.190 --> 00:42:38.550 and then referring to appropriate providers.

NOTE Confidence: 0.86179334

00:42:38.550 --> 00:42:41.373 So with a BRCA one mutation there

NOTE Confidence: 0.86179334

00:42:41.373 --> 00:42:43.313 is a recommendation for bilateral

NOTE Confidence: 0.86179334

00:42:43.313 --> 00:42:45.688 self pinggu for ectomy to remove

NOTE Confidence: 0.86179334

00:42:45.688 --> 00:42:47.568 the ovaries and fallopian tubes

NOTE Confidence: 0.86179334

00:42:47.568 --> 00:42:48.696 to prevent against

NOTE Confidence: 0.8589208

00:42:48.700 --> 00:42:49.963 ovarian cancer risk.

NOTE Confidence: 0.8589208

00:42:49.963 --> 00:42:52.068 My patient still had her

NOTE Confidence: 0.8589208

00:42:52.068 --> 00:42:54.167 ovaries and she was only 63,

NOTE Confidence: 0.8589208

00:42:54.170 --> 00:42:56.125 so something that I placed

NOTE Confidence: 0.8589208

00:42:56.125 --> 00:42:57.810 a referral for her.

NOTE Confidence: 0.8589208

00:42:57.810 --> 00:42:59.334 To discuss that surgery.

NOTE Confidence: 0.8589208

00:42:59.334 --> 00:43:01.620 And then meeting with the breast

NOTE Confidence: 0.8589208

00:43:01.691 --> 00:43:04.019 and colleges to talk about her

NOTE Confidence: 0.8589208

00:43:04.019 --> 00:43:05.959 risk of possibly developing a

NOTE Confidence: 0.8589208

00:43:05.959 --> 00:43:07.564 second breast cancer and how

NOTE Confidence: 0.8589208

00:43:07.564 --> 00:43:09.608 she would like to proceed with

NOTE Confidence: 0.8589208

00:43:09.608 --> 00:43:11.503 high risk screening or possibly

NOTE Confidence: 0.8589208

00:43:11.503 --> 00:43:12.992 a prophylactic mastectomy to

NOTE Confidence: 0.8589208

00:43:12.992 --> 00:43:14.437 remove to remove the breasts.

NOTE Confidence: 0.8576307

00:43:16.490 --> 00:43:18.793 And some of her, some of her

NOTE Confidence: 0.8576307

00:43:18.793 --> 00:43:21.069 relatives did not live in the area,

NOTE Confidence: 0.8576307

00:43:21.070 --> 00:43:23.830 so I was able to look up on line where

NOTE Confidence: 0.8576307

00:43:23.903 --> 00:43:26.297 her sister with her sister lived.

NOTE Confidence: 0.8576307

00:43:26.300 --> 00:43:27.460 Find genetic counselor contact

NOTE Confidence: 0.8576307

00:43:27.460 --> 00:43:29.636 there and send it to the patient

NOTE Confidence: 0.8576307

00:43:29.636 --> 00:43:31.526 and then help coordinate relatives.

NOTE Confidence: 0.8576307

00:43:31.530 --> 00:43:33.366 I live in the area explaining

NOTE Confidence: 0.8576307

00:43:33.366 --> 00:43:35.459 you know this is our program.

NOTE Confidence: 0.8576307

00:43:35.460 --> 00:43:37.090 This is our fax number.

NOTE Confidence: 0.8576307

00:43:37.090 --> 00:43:38.720 Have your relatives primary care

NOTE Confidence: 0.8576307

00:43:38.720 --> 00:43:40.442 providers fax us a referral.

NOTE Confidence: 0.8576307

00:43:40.442 --> 00:43:42.502 So really coordinating those information

NOTE Confidence: 0.8576307

00:43:42.502 --> 00:43:45.088 to get the relatives in for testing.

NOTE Confidence: 0.8576307

00:43:45.090 --> 00:43:46.110 Documenting phone conversations.

NOTE Confidence: 0.8576307

00:43:46.110 --> 00:43:49.609 You know a lot of when we talk to a patient,

NOTE Confidence: 0.8576307

00:43:49.610 --> 00:43:50.576 see a patient.

NOTE Confidence: 0.8576307

00:43:50.576 --> 00:43:53.829 It's all documented in the medical record.

NOTE Confidence: 0.8576307

00:43:53.830 --> 00:43:55.280 Notifying the referring provider of

NOTE Confidence: 0.8576307

00:43:55.280 --> 00:43:57.024 the results just so the provider

NOTE Confidence: 0.8576307

00:43:57.024 --> 00:43:58.739 is aware and then can be plugged

NOTE Confidence: 0.8576307

00:43:58.739 --> 00:44:00.429 into the patients treatment or

NOTE Confidence: 0.8576307

00:44:00.429 --> 00:44:02.115 screening plan right away.

NOTE Confidence: 0.8576307

00:44:02.115 --> 00:44:04.242 The results are scanned to the medical

NOTE Confidence: 0.8576307

00:44:04.242 --> 00:44:06.070 record so that can be included,

NOTE Confidence: 0.8576307

00:44:06.070 --> 00:44:08.114 and then I write up a summary.

NOTE Confidence: 0.8576307

00:44:08.120 --> 00:44:10.031 I write up a summary letter which

NOTE Confidence: 0.8576307

00:44:10.031 --> 00:44:11.834 summarizes the results in detail and

NOTE Confidence: 0.8576307

00:44:11.834 --> 00:44:13.389 include a family notification letter,

NOTE Confidence: 0.8576307

00:44:13.390 --> 00:44:15.259 which is just a cover sheet that

NOTE Confidence: 0.8576307

00:44:15.259 --> 00:44:16.909 can be sent to relatives.

NOTE Confidence: 0.8576307

00:44:16.910 --> 00:44:19.268 Might help aid in giving them

NOTE Confidence: 0.8576307

00:44:19.268 --> 00:44:21.292 information and giving them ways

NOTE Confidence: 0.8576307

00:44:21.292 --> 00:44:23.187 to pursue their own testing.

NOTE Confidence: 0.8576307

00:44:23.190 --> 00:44:25.454 And at our program we present all of

NOTE Confidence: 0.8576307

00:44:25.454 --> 00:44:27.629 our cases at a case conference where

NOTE Confidence: 0.8576307

00:44:27.629 --> 00:44:29.622 we review all the cases together

NOTE Confidence: 0.8576307

00:44:29.622 --> 00:44:32.338 and it's great 'cause we can get

NOTE Confidence: 0.8576307

00:44:32.338 --> 00:44:34.113 multiple perspectives on from genetic

NOTE Confidence: 0.8576307

00:44:34.113 --> 00:44:35.768 counselors from a genetic cyst.

NOTE Confidence: 0.8576307

00:44:35.770 --> 00:44:37.750 Breast specialists that we are part

NOTE Confidence: 0.8576307

00:44:37.750 --> 00:44:39.074 of a program gastroenterologist.

NOTE Confidence: 0.8576307

00:44:39.074 --> 00:44:40.148 So really, really,

NOTE Confidence: 0.8576307

00:44:40.148 --> 00:44:43.004 just discussing these cases as a team.

NOTE Confidence: 0.8576307

00:44:43.010 --> 00:44:44.870 Which I find very helpful.

NOTE Confidence: 0.86143327

00:44:44.870 --> 00:44:48.220 So this is 1. This is 1 case, you

NOTE Confidence: 0.86143327

00:44:48.220 --> 00:44:50.668 know, just one case in the life of

NOTE Confidence: 0.86143327

00:44:50.668 --> 00:44:53.429 me of a cancer genetic counselor.

NOTE Confidence: 0.86143327

00:44:53.430 --> 00:44:57.795 But I think this essentially is how I proceed

NOTE Confidence: 0.86143327

00:44:57.795 --> 00:45:01.590 with all my cases and all my patients.

NOTE Confidence: 0.86143327

00:45:01.590 --> 00:45:04.058 So thank you so much for your attention.

NOTE Confidence: 0.86143327

00:45:04.060 --> 00:45:05.605 I think we're just just

NOTE Confidence: 0.86143327

00:45:05.605 --> 00:45:07.150 a little bit over time,

NOTE Confidence: 0.86143327

00:45:07.150 --> 00:45:09.922 right on time I will be at the end.

NOTE Confidence: 0.86143327

00:45:09.930 --> 00:45:12.584 If you have any questions, I don't get too.

NOTE Confidence: 0.86143327

00:45:12.584 --> 00:45:15.022 I will be at the end for the

NOTE Confidence: 0.86143327

00:45:15.022 --> 00:45:16.418 general Q&A at 3:25.

NOTE Confidence: 0.86143327

00:45:16.420 --> 00:45:18.022 That's also my email if I

NOTE Confidence: 0.86143327

00:45:18.022 --> 00:45:20.130 do not get to your question,

NOTE Confidence: 0.86143327

00:45:20.130 --> 00:45:21.992 write it down and you can just

NOTE Confidence: 0.86143327

00:45:21.992 --> 00:45:23.840 send me an email directly.

NOTE Confidence: 0.86143327

00:45:23.840 --> 00:45:26.304 But thank you so much for your time.

NOTE Confidence: 0.826667

00:45:29.350 --> 00:45:32.820 Thanks Amy, that was a great presentation.

NOTE Confidence: 0.826667

00:45:32.820 --> 00:45:35.290 As a fellow genetic counselor,

NOTE Confidence: 0.826667

00:45:35.290 --> 00:45:36.772 genetic counselor, accurate,

NOTE Confidence: 0.826667

00:45:36.772 --> 00:45:40.230 very accurate and now we have Julie

NOTE Confidence: 0.826667

00:45:40.311 --> 00:45:43.221 Mclin who will be talking about

NOTE Confidence: 0.826667

00:45:43.221 --> 00:45:46.390 reproductive genetics, Julie. OK.

NOTE Confidence: 0.89085567

00:45:57.620 --> 00:46:00.920 Everyone can see my screen. Perfect.

NOTE Confidence: 0.8476335

00:46:02.850 --> 00:46:05.742 So again, my name is Julie McClain.

NOTE Confidence: 0.8476335

00:46:05.742 --> 00:46:08.214 I'm a reproductive genetic counselor at

NOTE Confidence: 0.8476335

00:46:08.220 --> 00:46:11.332 Yale and I've worked at maternal fetal

NOTE Confidence: 0.8476335

00:46:11.332 --> 00:46:15.069 medicine for a little over four years now.

NOTE Confidence: 0.8476335

00:46:15.070 --> 00:46:18.458 And over 90% of the individuals I

NOTE Confidence: 0.8476335

00:46:18.458 --> 00:46:22.179 work with are considered high risk.

NOTE Confidence: 0.8476335

00:46:22.180 --> 00:46:26.086 With special maternal and or fetal concerns,

NOTE Confidence: 0.8476335

00:46:26.090 --> 00:46:29.084 I previously worked at two different

NOTE Confidence: 0.8476335

00:46:29.084 --> 00:46:31.080 medical centers specializing in

NOTE Confidence: 0.8476335

00:46:31.163 --> 00:46:33.338 prenatal reproductive, cancer,

NOTE Confidence: 0.8476335

00:46:33.338 --> 00:46:35.570 pediatric and adult general

NOTE Confidence: 0.8476335

00:46:35.570 --> 00:46:37.244 genetic counseling services.

NOTE Confidence: 0.8476335

00:46:37.250 --> 00:46:40.505 So I I feel fortunate that I've

NOTE Confidence: 0.8476335

00:46:40.505 --> 00:46:43.738 had a chance to experience

NOTE Confidence: 0.8476335

00:46:43.738 --> 00:46:46.336 many different specialties.

NOTE Confidence: 0.8476335

00:46:46.340 --> 00:46:49.466 And overall my jobs have predominantly

NOTE Confidence: 0.8476335

00:46:49.466 --> 00:46:51.550 involved direct patient care.

NOTE Confidence: 0.8476335

00:46:51.550 --> 00:46:54.252 But I have also engaged in various

NOTE Confidence: 0.8476335

00:46:54.252 --> 00:46:56.332 clinical research studies as they came

NOTE Confidence: 0.8476335

00:46:56.332 --> 00:46:58.900 up in the department that I was working.

NOTE Confidence: 0.8476335

00:46:58.900 --> 00:46:59.544 In addition,

NOTE Confidence: 0.8476335

00:46:59.544 --> 00:47:02.120 in the past I served as the Director

NOTE Confidence: 0.8476335

00:47:02.187 --> 00:47:04.431 of clinical Training and the Master

NOTE Confidence: 0.8476335

00:47:04.431 --> 00:47:06.388 of Science in Genetic Counseling

NOTE Confidence: 0.8476335

00:47:06.388 --> 00:47:08.710 Program at the Icahn School of

NOTE Confidence: 0.8476335

00:47:08.710 --> 00:47:10.892 Medicine at Mount Sinai and in the

NOTE Confidence: 0.8476335

00:47:10.892 --> 00:47:12.937 past 20 years I've had the absolute

NOTE Confidence: 0.8476335

00:47:12.937 --> 00:47:15.237 pleasure of supervising over 150

NOTE Confidence: 0.8476335

00:47:15.237 --> 00:47:17.077 different genetic counseling interns

NOTE Confidence: 0.8476335

00:47:17.141 --> 00:47:19.367 that have been enrolled in various

NOTE Confidence: 0.8476335

00:47:19.367 --> 00:47:21.225 training programs across the US,

NOTE Confidence: 0.8476335

00:47:21.225 --> 00:47:24.145 and they have kept me on my toes,

NOTE Confidence: 0.8476335

00:47:24.150 --> 00:47:27.078 and I think they've taught me as much

NOTE Confidence: 0.8476335

00:47:27.078 --> 00:47:29.280 as hopefully I have taught them.

NOTE Confidence: 0.8742079

00:47:31.870 --> 00:47:33.582 So terminology sometimes you'll

NOTE Confidence: 0.8742079

00:47:33.582 --> 00:47:36.212 hear people use the word prenatal or

NOTE Confidence: 0.8742079

00:47:36.212 --> 00:47:38.759 reproductive and they are referring to

NOTE Confidence: 0.8742079

00:47:38.759 --> 00:47:41.289 something slightly different for prenatal,

NOTE Confidence: 0.8742079

00:47:41.290 --> 00:47:43.000 that's talking about occurring

NOTE Confidence: 0.8742079

00:47:43.000 --> 00:47:44.600 or existing before birth,

NOTE Confidence: 0.8742079

00:47:44.600 --> 00:47:47.330 and prenatal care is the health care

NOTE Confidence: 0.8742079

00:47:47.401 --> 00:47:49.846 women receive during their pregnancy.

NOTE Confidence: 0.8742079

00:47:49.850 --> 00:47:52.175 Some genetic counselors refer to

NOTE Confidence: 0.8742079

00:47:52.175 --> 00:47:54.500 themselves as prenatal genetic counselors

NOTE Confidence: 0.8742079

00:47:54.565 --> 00:47:56.890 because they are predominantly working

NOTE Confidence: 0.8742079

00:47:56.890 --> 00:47:59.215 with individuals and their partners

NOTE Confidence: 0.8742079

00:47:59.280 --> 00:48:01.476 while the pregnancy is in progress.

NOTE Confidence: 0.8742079

00:48:01.480 --> 00:48:03.415 And other genetic counselors refer

NOTE Confidence: 0.8742079

00:48:03.415 --> 00:48:05.350 to themselves more broadly as

NOTE Confidence: 0.8742079

00:48:05.418 --> 00:48:06.981 reproductive genetic counselors

NOTE Confidence: 0.8742079

00:48:06.981 --> 00:48:09.586 because they are collectively working

NOTE Confidence: 0.8742079

00:48:09.586 --> 00:48:11.719 with individuals who are pregnant,

NOTE Confidence: 0.8742079

00:48:11.720 --> 00:48:14.408 planning to become pregnant and or

NOTE Confidence: 0.8742079

00:48:14.408 --> 00:48:16.697 interested in discussing concerns that

NOTE Confidence: 0.8742079

00:48:16.697 --> 00:48:18.837 arose during a previous pregnancy.

NOTE Confidence: 0.8858245

00:48:20.870 --> 00:48:23.220 And genetic counselors have played

NOTE Confidence: 0.8858245

00:48:23.220 --> 00:48:25.570 an important role in supporting

NOTE Confidence: 0.8858245

00:48:25.648 --> 00:48:28.972 patients to make informed and value

NOTE Confidence: 0.8858245

00:48:28.972 --> 00:48:30.634 consistent reproductive decisions.

NOTE Confidence: 0.8858245

00:48:30.640 --> 00:48:33.504 Since prenatal screening and

NOTE Confidence: 0.8858245

00:48:33.504 --> 00:48:36.368 diagnosis first became possible.

NOTE Confidence: 0.8858245

00:48:36.370 --> 00:48:39.430 Some common reasons for referral to my

NOTE Confidence: 0.8858245

00:48:39.430 --> 00:48:42.640 clinic are advanced maternal or paternal age,

NOTE Confidence: 0.8858245

00:48:42.640 --> 00:48:45.616 meaning that the individual is 35

NOTE Confidence: 0.8858245

00:48:45.616 --> 00:48:49.738 years or older at the time of delivery.

NOTE Confidence: 0.8858245

00:48:49.740 --> 00:48:52.974 Personal or family history of a known

NOTE Confidence: 0.8858245

00:48:52.974 --> 00:48:54.911 or suspected genetic condition,

NOTE Confidence: 0.8858245

00:48:54.911 --> 00:48:57.616 intellectual disability or a congenital

NOTE Confidence: 0.8858245

00:48:57.616 --> 00:49:00.589 structural difference such as a congenital

NOTE Confidence: 0.8858245

00:49:00.589 --> 00:49:03.165 heart defect or cleft lip or palate,

NOTE Confidence: 0.8858245

00:49:03.170 --> 00:49:04.874 missing kidney, etc.

NOTE Confidence: 0.8858245

00:49:04.874 --> 00:49:08.850 In a typical fetal ultrasound finding or

NOTE Confidence: 0.8858245

00:49:08.943 --> 00:49:12.758 prenatal screening or diagnostic results.

NOTE Confidence: 0.8858245

00:49:12.760 --> 00:49:13.808 Teratogen counseling,

NOTE Confidence: 0.8858245

00:49:13.808 --> 00:49:16.952 which is when there is concern

NOTE Confidence: 0.8858245

00:49:16.952 --> 00:49:19.120 about whether a medication,

NOTE Confidence: 0.8858245

00:49:19.120 --> 00:49:20.168 drug, alcohol,

NOTE Confidence: 0.8858245

00:49:20.168 --> 00:49:23.312 or environmental exposures prior to or

NOTE Confidence: 0.8858245

00:49:23.312 --> 00:49:26.009 during pregnancy may impact fertility,

NOTE Confidence: 0.8858245

00:49:26.010 --> 00:49:30.228 fetal development and or pregnancy outcome.

NOTE Confidence: 0.8858245

00:49:30.230 --> 00:49:32.250 The individual is a carrier

NOTE Confidence: 0.8858245

00:49:32.250 --> 00:49:34.270 for an inherited condition or

NOTE Confidence: 0.8858245

00:49:34.346 --> 00:49:36.120 chromosome rearrangement.

NOTE Confidence: 0.8858245

00:49:36.120 --> 00:49:38.948 They may have a history of recurrent

NOTE Confidence: 0.8858245

00:49:38.948 --> 00:49:41.210 pregnancy loss or subfertility,

NOTE Confidence: 0.8858245

00:49:41.210 --> 00:49:43.990 or infertility.

NOTE Confidence: 0.8858245

00:49:43.990 --> 00:49:46.870 Sometimes people are planning to

NOTE Confidence: 0.8858245

00:49:46.870 --> 00:49:49.174 have assisted reproductive technology

NOTE Confidence: 0.8858245

00:49:49.174 --> 00:49:52.040 to achieve pregnancy or they are

NOTE Confidence: 0.8858245

00:49:52.040 --> 00:49:54.765 planning to donate eggs or sperm,

NOTE Confidence: 0.8858245

00:49:54.765 --> 00:49:58.448 either to someone that they know or

NOTE Confidence: 0.8858245

00:49:58.448 --> 00:50:01.949 anonymously or receive donor eggs or sperm.

NOTE Confidence: 0.8858245

00:50:01.950 --> 00:50:04.510 Someone has a multifetal pregnancy

NOTE Confidence: 0.8858245

00:50:04.510 --> 00:50:07.750 like twins, triplets, quadruplets.

NOTE Confidence: 0.8858245

00:50:07.750 --> 00:50:10.074 People who have are from a specific

NOTE Confidence: 0.8858245

00:50:10.074 --> 00:50:12.173 ethnic or racial group or geographic

NOTE Confidence: 0.8858245

00:50:12.173 --> 00:50:14.588 area where there might be a higher

NOTE Confidence: 0.8858245

00:50:14.654 --> 00:50:16.698 incidence of certain conditions,

NOTE Confidence: 0.8858245

00:50:16.700 --> 00:50:18.570 such as Tay Sachs disease,

NOTE Confidence: 0.8858245

00:50:18.570 --> 00:50:19.950 sickle cell disease,

NOTE Confidence: 0.8858245

00:50:19.950 --> 00:50:22.250 or inherited forms of anemia.

NOTE Confidence: 0.8858245

00:50:22.250 --> 00:50:24.686 And the people are interested in

NOTE Confidence: 0.8858245

00:50:24.686 --> 00:50:26.310 having genetic carrier screening.

NOTE Confidence: 0.8858245

00:50:26.310 --> 00:50:28.504 And then those individuals just have

NOTE Confidence: 0.8858245

00:50:28.504 --> 00:50:30.324 a general interest in discussing

NOTE Confidence: 0.8858245

00:50:30.324 --> 00:50:31.416 their test options,

NOTE Confidence: 0.8858245

00:50:31.420 --> 00:50:33.610 so there's not a particular concern,

NOTE Confidence: 0.8858245

00:50:33.610 --> 00:50:36.066 but they would like to know what is

NOTE Confidence: 0.8858245

00:50:36.066 --> 00:50:38.412 available to them or their reproductive

NOTE Confidence: 0.8858245

00:50:38.412 --> 00:50:40.908 partners prior to or during pregnancy,

NOTE Confidence: 0.8858245

00:50:40.910 --> 00:50:42.740 and that could include the

NOTE Confidence: 0.8858245

00:50:42.740 --> 00:50:44.498 genetic carrier screening.

NOTE Confidence: 0.8858245

00:50:44.500 --> 00:50:47.304 Screening or diagnostic testing

NOTE Confidence: 0.8858245

00:50:47.304 --> 00:50:50.108 for chromosome conditions etc.

NOTE Confidence: 0.8858245

00:50:50.110 --> 00:50:54.600 So many reasons for referral but.

NOTE Confidence: 0.8858245

00:50:54.600 --> 00:50:57.400 There are some common things that happen

NOTE Confidence: 0.8858245

00:50:57.400 --> 00:51:00.009 during a typical counseling session.

NOTE Confidence: 0.8858245

00:51:00.010 --> 00:51:03.370 So that would include obtaining medical,

NOTE Confidence: 0.8858245

00:51:03.370 --> 00:51:05.368 reproductive and environmental

NOTE Confidence: 0.8858245

00:51:05.368 --> 00:51:07.366 quirks posure histories.

NOTE Confidence: 0.8858245

00:51:07.370 --> 00:51:10.100 Obtaining a family history of at least

NOTE Confidence: 0.8858245

00:51:10.100 --> 00:51:11.888 three generations, time permitting.

NOTE Confidence: 0.8858245

00:51:11.888 --> 00:51:14.912 And documenting all the health concerns

NOTE Confidence: 0.8858245

00:51:14.912 --> 00:51:18.147 and genetic conditions that are reported.

NOTE Confidence: 0.8858245

00:51:18.150 --> 00:51:20.376 Explaining the risk for or the

NOTE Confidence: 0.8858245

00:51:20.376 --> 00:51:22.514 diagnosis of a genetic disorder

NOTE Confidence: 0.8858245

00:51:22.514 --> 00:51:24.248 or congenital condition.

NOTE Confidence: 0.8858245

00:51:24.250 --> 00:51:25.958 Educating about the inheritance

NOTE Confidence: 0.8858245

00:51:25.958 --> 00:51:27.666 of the recurrence risk.

NOTE Confidence: 0.8858245

00:51:27.670 --> 00:51:29.390 Talking about the benefits,

NOTE Confidence: 0.8858245

00:51:29.390 --> 00:51:31.540 limitations and risks of their

NOTE Confidence: 0.8858245

00:51:31.540 --> 00:51:34.105 screening and diagnostic test options.

NOTE Confidence: 0.8858245

00:51:34.105 --> 00:51:36.650 Perhaps talking about the prognosis

NOTE Confidence: 0.8858245

00:51:36.650 --> 00:51:38.330 of a specific condition,

NOTE Confidence: 0.8858245

00:51:38.330 --> 00:51:41.336 the management or treatment?

NOTE Confidence: 0.8858245

00:51:41.336 --> 00:51:44.784 Prevention and research options.

NOTE Confidence: 0.8858245

00:51:44.790 --> 00:51:48.115 We often are interpreting results of tests,

NOTE Confidence: 0.8858245

00:51:48.120 --> 00:51:49.542 discussing the implications,

NOTE Confidence: 0.8858245

00:51:49.542 --> 00:51:53.480 and talking about possible next steps.

NOTE Confidence: 0.8858245

00:51:53.480 --> 00:51:55.765 We educate them about assisted

NOTE Confidence: 0.8858245

00:51:55.765 --> 00:51:57.593 reproductive technologies because we

NOTE Confidence: 0.8858245

00:51:57.593 --> 00:52:00.120 may only be meeting with them once,

NOTE Confidence: 0.8858245

00:52:00.120 --> 00:52:04.016 so we perhaps are talking to them about.

NOTE Confidence: 0.8858245

00:52:04.020 --> 00:52:05.604 The fact that their fetus has

NOTE Confidence: 0.8858245

00:52:05.604 --> 00:52:07.090 been diagnosed with a particular

NOTE Confidence: 0.8858245

00:52:07.090 --> 00:52:08.945 condition but before they leave,

NOTE Confidence: 0.8858245

00:52:08.950 --> 00:52:11.030 we want them to know what they may

NOTE Confidence: 0.8858245

00:52:11.030 --> 00:52:13.287 want to consider prior to a future

NOTE Confidence: 0.8858245

00:52:13.287 --> 00:52:15.343 pregnancy and not depend on the

NOTE Confidence: 0.8858245

00:52:15.343 --> 00:52:17.239 fact that someone else in their

NOTE Confidence: 0.8858245

00:52:17.239 --> 00:52:19.080 life will relay that information.

NOTE Confidence: 0.8858245

00:52:19.080 --> 00:52:21.750 And overall we want to support

NOTE Confidence: 0.8858245

00:52:21.750 --> 00:52:22.640 the individual,

NOTE Confidence: 0.8889274

00:52:22.640 --> 00:52:25.734 the couple or the family with their

NOTE Confidence: 0.8889274

00:52:25.734 --> 00:52:26.618 reproductive decision-making.

NOTE Confidence: 0.8889274

00:52:26.620 --> 00:52:29.062 With regards to the information that

NOTE Confidence: 0.8889274

00:52:29.062 --> 00:52:31.380 they receive and their personal,

NOTE Confidence: 0.8889274

00:52:31.380 --> 00:52:34.404 religious and their ethical and moral values.

NOTE Confidence: 0.8916343

00:52:36.810 --> 00:52:40.320 So the main goals of our genetic counseling

NOTE Confidence: 0.8916343

00:52:40.320 --> 00:52:42.925 sessions include what I think starting

NOTE Confidence: 0.8916343

00:52:42.925 --> 00:52:45.590 with number one is establishing repor,

NOTE Confidence: 0.8916343

00:52:45.590 --> 00:52:48.218 because if we don't establish repor,

NOTE Confidence: 0.8916343

00:52:48.220 --> 00:52:51.321 it's very hard to accomplish all of

NOTE Confidence: 0.8916343

00:52:51.321 --> 00:52:55.399 the other goals of the session if not

NOTE Confidence: 0.8916343

00:52:55.399 --> 00:52:57.523 impossible in some circumstances.

NOTE Confidence: 0.8916343

00:52:57.530 --> 00:52:59.826 We want to assess their needs,

NOTE Confidence: 0.8916343

00:52:59.826 --> 00:53:01.736 exchange and discuss relevant information,

NOTE Confidence: 0.8916343

00:53:01.740 --> 00:53:03.650 so we want to provide

NOTE Confidence: 0.8916343

00:53:03.650 --> 00:53:04.414 individualized education,

NOTE Confidence: 0.8916343

00:53:04.420 --> 00:53:06.718 not make them feel that we're

NOTE Confidence: 0.8916343

00:53:06.718 --> 00:53:09.046 lecturing to them, or you know,

NOTE Confidence: 0.8916343

00:53:09.046 --> 00:53:11.398 just going through a script that

NOTE Confidence: 0.8916343

00:53:11.398 --> 00:53:13.920 we provide to every patient.

NOTE Confidence: 0.8916343

00:53:13.920 --> 00:53:17.176 We try to elicit their thoughts and feelings,

NOTE Confidence: 0.8916343

00:53:17.180 --> 00:53:19.540 support and promote their autonomy

NOTE Confidence: 0.8916343

00:53:19.540 --> 00:53:21.900 and making informed decision making.

NOTE Confidence: 0.8916343

00:53:21.900 --> 00:53:24.215 We provide short term psychosocial

NOTE Confidence: 0.8916343

00:53:24.215 --> 00:53:27.132 support and patient advocacy and we

NOTE Confidence: 0.8916343

00:53:27.132 --> 00:53:29.792 identify situations in which additional

NOTE Confidence: 0.8916343

00:53:29.792 --> 00:53:32.130 medical or psychological referrals or

NOTE Confidence: 0.8916343

00:53:32.130 --> 00:53:34.489 support services might be indicated.

NOTE Confidence: 0.8916343

00:53:34.489 --> 00:53:37.730 We try to identify when someone might

NOTE Confidence: 0.8916343

00:53:37.816 --> 00:53:41.148 benefit from a support or advocacy group,

NOTE Confidence: 0.8916343

00:53:41.150 --> 00:53:42.718 individual or group counseling,

NOTE Confidence: 0.8916343

00:53:42.718 --> 00:53:45.637 and when we need to make specialty

NOTE Confidence: 0.8916343

00:53:45.637 --> 00:53:47.625 referrals to other departments

NOTE Confidence: 0.8916343

00:53:47.625 --> 00:53:50.110 and sometimes to other genetic

NOTE Confidence: 0.8916343

00:53:50.180 --> 00:53:52.420 counselors in other specialties.

NOTE Confidence: 0.8916343

00:53:52.420 --> 00:53:55.237 We try to serve as an ongoing resource as

NOTE Confidence: 0.8916343

00:53:55.237 --> 00:53:57.876 their needs and desires evolve overtime,

NOTE Confidence: 0.8916343

00:53:57.880 --> 00:54:00.449 so establishing report is key in order

NOTE Confidence: 0.8916343

00:54:00.449 --> 00:54:03.315 to encourage them to call us back if

NOTE Confidence: 0.8916343

00:54:03.315 --> 00:54:05.463 they have additional questions or new

NOTE Confidence: 0.8916343

00:54:05.463 --> 00:54:07.707 questions or concerns in the future.

NOTE Confidence: 0.8428075

00:54:10.110 --> 00:54:13.112 What is the typical day like for me?

NOTE Confidence: 0.8428075

00:54:13.112 --> 00:54:16.154 Well, there are two full time reproductive

NOTE Confidence: 0.8428075

00:54:16.154 --> 00:54:18.580 genetic counselors at Yale MFM and

NOTE Confidence: 0.8428075

00:54:18.580 --> 00:54:21.107 at present we do see over 90% of

NOTE Confidence: 0.8428075

00:54:21.107 --> 00:54:24.089 our patients via video Tele Health.

NOTE Confidence: 0.8428075

00:54:24.090 --> 00:54:27.240 We each have up to four patients per day.

NOTE Confidence: 0.8428075

00:54:27.240 --> 00:54:30.006 And the majority of patients are

NOTE Confidence: 0.8428075

00:54:30.006 --> 00:54:32.360 scheduled in advance and given

NOTE Confidence: 0.8428075

00:54:32.360 --> 00:54:34.928 appointments within 24 to 72 hours

NOTE Confidence: 0.8428075

00:54:34.928 --> 00:54:37.999 of when they contacted our office.

NOTE Confidence: 0.8428075

00:54:38.000 --> 00:54:39.532 Prior to the session,

NOTE Confidence: 0.8428075

00:54:39.532 --> 00:54:41.064 pertinent records are reviewed.

NOTE Confidence: 0.8428075

00:54:41.070 --> 00:54:42.960 We do the appropriate research

NOTE Confidence: 0.8428075

00:54:42.960 --> 00:54:45.306 and this can take anywhere from

NOTE Confidence: 0.8428075

00:54:45.306 --> 00:54:47.980 approximately 10 minutes to over an hour,

NOTE Confidence: 0.8428075

00:54:47.980 --> 00:54:51.076 depending upon the indication for counseling.

NOTE Confidence: 0.8428075

00:54:51.080 --> 00:54:53.565 Some of our patients are added on

NOTE Confidence: 0.8428075

00:54:53.565 --> 00:54:56.013 to the schedule at the last minute

NOTE Confidence: 0.8428075

00:54:56.013 --> 00:54:58.556 and seeing 5 to 10 minutes after

NOTE Confidence: 0.8428075

00:54:58.556 --> 00:55:00.080 they've been referred.

NOTE Confidence: 0.8428075

00:55:00.080 --> 00:55:00.696 For example,

NOTE Confidence: 0.8428075

00:55:00.696 --> 00:55:02.852 there could be a patient who came

NOTE Confidence: 0.8428075

00:55:02.852 --> 00:55:05.107 in for a routine ultrasound and

NOTE Confidence: 0.8428075

00:55:05.107 --> 00:55:07.483 unexpectedly found out that the fetus

NOTE Confidence: 0.8428075

00:55:07.483 --> 00:55:09.618 has structural concerns and suddenly

NOTE Confidence: 0.8428075

00:55:09.618 --> 00:55:12.080 they're being referred to a genetic

NOTE Confidence: 0.8428075

00:55:12.080 --> 00:55:14.705 counselor to talk about what we seen,

NOTE Confidence: 0.8428075

00:55:14.710 --> 00:55:16.338 what it could mean,

NOTE Confidence: 0.8428075

00:55:16.338 --> 00:55:18.780 and what additional testing might be

NOTE Confidence: 0.8428075

00:55:18.858 --> 00:55:21.546 available to them to try to find out.

NOTE Confidence: 0.8428075

00:55:21.550 --> 00:55:22.708 The underlying cause.

NOTE Confidence: 0.8428075

00:55:22.708 --> 00:55:25.885 Of what we've seen in order to guide

NOTE Confidence: 0.8428075

00:55:25.885 --> 00:55:28.678 them with regard to prognosis and the

NOTE Confidence: 0.8428075

00:55:28.680 --> 00:55:31.290 chance of a baby having a similar

NOTE Confidence: 0.8428075

00:55:31.290 --> 00:55:33.315 condition in a future pregnancy.

NOTE Confidence: 0.8428075

00:55:33.320 --> 00:55:35.450 In those particular sessions where

NOTE Confidence: 0.8428075

00:55:35.450 --> 00:55:38.809 patients are added on at the last minute.

NOTE Confidence: 0.8428075

00:55:38.810 --> 00:55:40.662 As you can imagine,

NOTE Confidence: 0.8428075

00:55:40.662 --> 00:55:42.977 they're usually very understandably upset.

NOTE Confidence: 0.8428075

00:55:42.980 --> 00:55:45.660 They often have difficulty concentrating

NOTE Confidence: 0.8428075

00:55:45.660 --> 00:55:49.040 and reduced recall after the session.

NOTE Confidence: 0.8428075

00:55:49.040 --> 00:55:51.302 And another challenge is that the

NOTE Confidence: 0.8428075

00:55:51.302 --> 00:55:53.183 genetic counselor often has very

NOTE Confidence: 0.8428075

00:55:53.183 --> 00:55:55.346 minimal prep time and may need to

NOTE Confidence: 0.8428075

00:55:55.346 --> 00:55:57.269 contact the patients after the

NOTE Confidence: 0.8428075

00:55:57.269 --> 00:55:59.753 sessions in order to relay important

NOTE Confidence: 0.8428075

00:55:59.753 --> 00:56:01.502 information that wasn't available

NOTE Confidence: 0.8428075

00:56:01.502 --> 00:56:04.166 at the time of the meeting.

NOTE Confidence: 0.8428075

00:56:04.170 --> 00:56:06.618 So this is another time where

NOTE Confidence: 0.8428075

00:56:06.618 --> 00:56:09.058 establishing repor is key and kind

NOTE Confidence: 0.8428075

00:56:09.058 --> 00:56:11.606 of being with the patient where they

NOTE Confidence: 0.8428075

00:56:11.606 --> 00:56:14.895 are in that moment and assessing how

NOTE Confidence: 0.8428075

00:56:14.895 --> 00:56:17.966 much follow-up counseling might be warranted.

NOTE Confidence: 0.8428075

00:56:17.966 --> 00:56:20.881 The average reproductive genetic counseling

NOTE Confidence: 0.8428075

00:56:20.881 --> 00:56:24.000 session takes about 45 to 60 minutes.

NOTE Confidence: 0.8428075

00:56:24.000 --> 00:56:25.308 And after the session,

NOTE Confidence: 0.8428075

00:56:25.308 --> 00:56:26.616 test orders are placed,

NOTE Confidence: 0.8428075

00:56:26.620 --> 00:56:27.860 we write a console.

NOTE Confidence: 0.8428075

00:56:27.860 --> 00:56:30.245 Note that we send to both the

NOTE Confidence: 0.8428075

00:56:30.245 --> 00:56:32.485 referring provider and the patient.

NOTE Confidence: 0.8428075

00:56:32.490 --> 00:56:34.696 And we may have to conduct

NOTE Confidence: 0.8428075

00:56:34.696 --> 00:56:35.432 additional research.

NOTE Confidence: 0.8428075

00:56:35.432 --> 00:56:37.640 Patients might need to be recontacted,

NOTE Confidence: 0.8428075

00:56:37.640 --> 00:56:39.655 and this follow-up can collectively

NOTE Confidence: 0.8428075

00:56:39.655 --> 00:56:42.053 take anywhere from 15 to 20

NOTE Confidence: 0.8428075

00:56:42.053 --> 00:56:43.895 minutes to well over an hour,

NOTE Confidence: 0.8428075

00:56:43.900 --> 00:56:45.232 depending on the session.

NOTE Confidence: 0.8428075

00:56:45.232 --> 00:56:48.128 And the remainder of my day is spent

NOTE Confidence: 0.8428075

00:56:48.128 --> 00:56:50.203 returning emails and telephone messages

NOTE Confidence: 0.8428075

00:56:50.203 --> 00:56:52.482 from patients and their clinical

NOTE Confidence: 0.8428075

00:56:52.482 --> 00:56:54.902 providers answering questions from my

NOTE Confidence: 0.8428075

00:56:54.902 --> 00:56:56.980 colleagues and community providers.

NOTE Confidence: 0.8428075

00:56:56.980 --> 00:57:00.700 Conducting research for current or future

NOTE Confidence: 0.8428075

00:57:00.700 --> 00:57:03.760 patients calling out test results.

NOTE Confidence: 0.8428075

00:57:03.760 --> 00:57:05.029 Preparing upcoming lectures.

NOTE Confidence: 0.8428075

00:57:05.029 --> 00:57:07.990 Because I lecture every two weeks to

NOTE Confidence: 0.8428075

00:57:08.063 --> 00:57:10.408 the maternal fetal medicine fellows.

NOTE Confidence: 0.8428075

00:57:10.410 --> 00:57:13.427 And I try to obtain data for

NOTE Confidence: 0.8428075

00:57:13.427 --> 00:57:15.440 ongoing clinical research studies.

NOTE Confidence: 0.8428075

00:57:15.440 --> 00:57:17.720 I perform managerial duties, etc.

NOTE Confidence: 0.8428075

00:57:17.720 --> 00:57:20.919 So my day can be fairly busy,

NOTE Confidence: 0.8428075

00:57:20.920 --> 00:57:24.544 even if on the books it may say

NOTE Confidence: 0.8428075

00:57:24.544 --> 00:57:27.112 I only have 1, two,

NOTE Confidence: 0.8428075

00:57:27.112 --> 00:57:29.920 or three patients sometimes.

NOTE Confidence: 0.8428075

00:57:29.920 --> 00:57:31.624 Even with no patience,

NOTE Confidence: 0.8428075

00:57:31.624 --> 00:57:33.754 the day can be incredibly

NOTE Confidence: 0.8428075

00:57:33.754 --> 00:57:34.900 interesting and busy.

NOTE Confidence: 0.8428075

00:57:34.900 --> 00:57:36.633 Overall teamwork is essential,

NOTE Confidence: 0.8428075

00:57:36.633 --> 00:57:39.664 although I work independently as I provide

NOTE Confidence: 0.8677775

00:57:39.670 --> 00:57:40.927 direct patient care.

NOTE Confidence: 0.8677775

00:57:40.927 --> 00:57:44.023 I'm fortunate to work with a much larger

NOTE Confidence: 0.8677775

00:57:44.023 --> 00:57:46.620 team and maternal fetal medicine.

NOTE Confidence: 0.8677775

00:57:46.620 --> 00:57:49.218 I work with another genetic counselor.

NOTE Confidence: 0.8677775

00:57:49.220 --> 00:57:50.088 Administrative assistance,

NOTE Confidence: 0.8677775

00:57:50.088 --> 00:57:51.390 maternal fetal medicine,

NOTE Confidence: 0.8677775

00:57:51.390 --> 00:57:52.755 attendings, and fellows.

NOTE Confidence: 0.8677775

00:57:52.755 --> 00:57:54.575 Nurses, including a really

NOTE Confidence: 0.8677775

00:57:54.575 --> 00:57:56.470 special nurse who manage,

NOTE Confidence: 0.8677775

00:57:56.470 --> 00:57:58.878 is the fetal care center program and

NOTE Confidence: 0.8677775

00:57:58.878 --> 00:58:01.077 helps us to coordinate specialty

NOTE Confidence: 0.8677775

00:58:01.077 --> 00:58:04.353 consults and testing for pregnant women.

NOTE Confidence: 0.8677775

00:58:04.360 --> 00:58:05.413 And social workers.

NOTE Confidence: 0.8677775

00:58:05.413 --> 00:58:08.387 We have a part time social worker who

NOTE Confidence: 0.8677775

00:58:08.387 --> 00:58:10.597 is available usually within minutes.

NOTE Confidence: 0.8677775

00:58:10.600 --> 00:58:13.616 If we have a patient that we're working

NOTE Confidence: 0.8677775

00:58:13.616 --> 00:58:16.449 with that we feel has special needs,

NOTE Confidence: 0.8677775

00:58:16.450 --> 00:58:18.545 that really should be addressed

NOTE Confidence: 0.8677775

00:58:18.545 --> 00:58:21.148 prior to the person exiting our

NOTE Confidence: 0.8677775

00:58:21.148 --> 00:58:23.710 department and getting into their car.

NOTE Confidence: 0.8677775

00:58:23.710 --> 00:58:26.374 I also routinely refer and consult

NOTE Confidence: 0.8677775

00:58:26.374 --> 00:58:28.150 with clinical geneticists in

NOTE Confidence: 0.8677775

00:58:28.223 --> 00:58:30.478 the genetics department at Yale.

NOTE Confidence: 0.907662

00:58:33.160 --> 00:58:36.890 So I wanted to. Talk

NOTE Confidence: 0.867294

00:58:36.890 --> 00:58:39.228 about one case example that I think

NOTE Confidence: 0.867294

00:58:39.228 --> 00:58:40.624 highlights are genetic counselors

NOTE Confidence: 0.867294

00:58:40.624 --> 00:58:42.628 roles and how a patient's needs

NOTE Confidence: 0.867294

00:58:42.628 --> 00:58:44.668 and desires may evolve over time.

NOTE Confidence: 0.867294

00:58:44.670 --> 00:58:47.448 And some background to prepare you

NOTE Confidence: 0.867294

00:58:47.448 --> 00:58:51.208 for that case is little genetics 101.

NOTE Confidence: 0.867294

00:58:51.210 --> 00:58:54.516 It's estimated that humans have approximately

NOTE Confidence: 0.867294

00:58:54.516 --> 00:58:57.889 20 to 25,000 protein coding genes.

NOTE Confidence: 0.867294

00:58:57.890 --> 00:59:00.782 And there's something called expanded genetic

NOTE Confidence: 0.867294

00:59:00.782 --> 00:59:03.670 carrier screening that is non targeted.

NOTE Confidence: 0.867294

00:59:03.670 --> 00:59:05.778 Carrier screening that evaluates

NOTE Confidence: 0.867294

00:59:05.778 --> 00:59:08.413 an individual's carrier state for

NOTE Confidence: 0.867294

00:59:08.413 --> 00:59:11.017 multiple conditions at once regardless

NOTE Confidence: 0.867294

00:59:11.017 --> 00:59:13.517 of ethnicity or racial background.

NOTE Confidence: 0.867294

00:59:13.520 --> 00:59:16.124 Some labs offer genetic carrier screening

NOTE Confidence: 0.867294

00:59:16.124 --> 00:59:19.519 for hundreds of genes on a single test panel,

NOTE Confidence: 0.867294

00:59:19.520 --> 00:59:22.348 and this is something that many obstetric

NOTE Confidence: 0.867294

00:59:22.348 --> 00:59:25.120 providers offer to all of their patients,

NOTE Confidence: 0.867294

00:59:25.120 --> 00:59:28.224 particularly if they're in the first or early

NOTE Confidence: 0.867294

00:59:28.224 --> 00:59:31.120 second part of their trimester or ideally,

NOTE Confidence: 0.867294

00:59:31.120 --> 00:59:32.848 prior to becoming pregnant.

NOTE Confidence: 0.867294

00:59:32.848 --> 00:59:36.450 So I do have a question for the audience.

NOTE Confidence: 0.8818204

00:59:39.820 --> 00:59:42.977 An individual in the general US population

NOTE Confidence: 0.8818204

00:59:42.980 --> 00:59:46.130 has a what percent chance of being

NOTE Confidence: 0.8818204

00:59:46.130 --> 00:59:50.538 found to be a carrier for at least

NOTE Confidence: 0.8818204

00:59:50.538 --> 00:59:54.509 one condition on a panel of 274 genes.

NOTE Confidence: 0.8818204

00:59:54.510 --> 01:00:02.010 Less than one percent 5%. 37% or 64%.

NOTE Confidence: 0.74022067

01:00:06.130 --> 01:00:09.400 Him or give five more seconds.

NOTE Confidence: 0.86309177

01:00:22.560 --> 01:00:25.619 Alright. So that's a pretty

NOTE Confidence: 0.8798136

01:00:25.620 --> 01:00:29.990 good spread and a lot of you. Were correct.

NOTE Confidence: 0.89498824

01:00:33.300 --> 01:00:35.670 So the correct answer was 37%

NOTE Confidence: 0.89498824

01:00:35.670 --> 01:00:38.650 in a large study were found to

NOTE Confidence: 0.89498824

01:00:38.650 --> 01:00:41.650 be a carrier for one condition.

NOTE Confidence: 0.89498824

01:00:41.650 --> 01:00:44.386 Excuse me, 64 percent is the correct answer.

NOTE Confidence: 0.89498824

01:00:44.390 --> 01:00:47.190 37% were found to be a carrier

NOTE Confidence: 0.89498824

01:00:47.190 --> 01:00:48.390 for one condition.

NOTE Confidence: 0.89498824

01:00:48.390 --> 01:00:50.886 But the question was at least one condition,

NOTE Confidence: 0.89498824

01:00:50.890 --> 01:00:52.857 so overall this is with the spread

NOTE Confidence: 0.89498824

01:00:52.857 --> 01:00:55.450 for how many were found to be a

NOTE Confidence: 0.89498824

01:00:55.450 --> 01:00:56.802 carrier for multiple conditions,

NOTE Confidence: 0.89498824

01:00:56.810 --> 01:00:59.618 which is not as rare as people would think.

NOTE Confidence: 0.8802339

01:01:01.710 --> 01:01:03.320 So I realize that I'm going a

NOTE Confidence: 0.8802339

01:01:03.320 --> 01:01:04.616 little over, so I'm just going

NOTE Confidence: 0.8802339

01:01:04.616 --> 01:01:06.539 to pick up my pace a little bit.

NOTE Confidence: 0.88858265

01:01:07.880 --> 01:01:09.100 I had a 41

NOTE Confidence: 0.88858265

01:01:09.100 --> 01:01:10.918 year old woman who was referred

NOTE Confidence: 0.88858265

01:01:10.918 --> 01:01:11.827 for preconception counseling.

NOTE Confidence: 0.88858265

01:01:11.830 --> 01:01:14.002 After she had expanded genetic carrier

NOTE Confidence: 0.88858265

01:01:14.002 --> 01:01:16.700 screening that revealed that she is a carrier

NOTE Confidence: 0.88858265

01:01:16.700 --> 01:01:18.482 for a condition called Wilson Disease.

NOTE Confidence: 0.88858265

01:01:18.490 --> 01:01:21.196 And as with many genetic conditions,

NOTE Confidence: 0.88858265

01:01:21.200 --> 01:01:23.420 particularly those that are inherited

NOTE Confidence: 0.88858265

01:01:23.420 --> 01:01:25.640 in an autosomal recessive way

NOTE Confidence: 0.88858265

01:01:25.707 --> 01:01:27.957 which Wilson send Wilson diseases,

NOTE Confidence: 0.88858265

01:01:27.960 --> 01:01:31.117 carriers are not predicted to be symptomatic,

NOTE Confidence: 0.88858265

01:01:31.120 --> 01:01:33.990 so she was not aware.

NOTE Confidence: 0.88858265

01:01:33.990 --> 01:01:36.751 She was referred for genetic counseling by

NOTE Confidence: 0.88858265

01:01:36.751 --> 01:01:38.379 her reproductive endocrinologist because

NOTE Confidence: 0.88858265

01:01:38.379 --> 01:01:41.074 she was planning to pursue in vitro

NOTE Confidence: 0.88858265

01:01:41.074 --> 01:01:42.849 fertilization due to secondary infertility.

NOTE Confidence: 0.88858265

01:01:42.850 --> 01:01:44.665 An the ender Chronologist wanted

NOTE Confidence: 0.88858265

01:01:44.665 --> 01:01:47.080 her to discuss this in advance.

NOTE Confidence: 0.88858265

01:01:47.080 --> 01:01:49.645 She and her 49 year old partner had two

NOTE Confidence: 0.88858265

01:01:49.645 --> 01:01:51.463 previous spontaneously conceived pregnancies

NOTE Confidence: 0.88858265

01:01:51.463 --> 01:01:54.397 that resulted in full term deliveries.

NOTE Confidence: 0.88858265

01:01:54.400 --> 01:01:56.320 They have two young sons,

NOTE Confidence: 0.88858265

01:01:56.320 --> 01:01:58.804 two years old and five year olds,

NOTE Confidence: 0.88858265

01:01:58.804 --> 01:02:01.872 five years old and they were reported to

NOTE Confidence: 0.88858265

01:02:01.872 --> 01:02:04.387 be healthy and developmentally typical.

NOTE Confidence: 0.88858265

01:02:04.390 --> 01:02:07.182 And they've been trying to conceive the third

NOTE Confidence: 0.88858265

01:02:07.182 --> 01:02:10.370 pregnancy for over one year without success.

NOTE Confidence: 0.88858265

01:02:10.370 --> 01:02:13.674 So Wilson Disease is a disorder of copper

NOTE Confidence: 0.88858265

01:02:13.674 --> 01:02:16.248 metabolism that can present with liver,

NOTE Confidence: 0.88858265

01:02:16.250 --> 01:02:18.230 neurologic or psychiatric disturbances,

NOTE Confidence: 0.88858265

01:02:18.230 --> 01:02:21.200 or a combination of all three.

NOTE Confidence: 0.88858265

01:02:21.200 --> 01:02:23.776 And the symptoms May 1st present between

NOTE Confidence: 0.88858265

01:02:23.776 --> 01:02:27.137 age 3 to greater than 50 years of age,

NOTE Confidence: 0.88858265

01:02:27.140 --> 01:02:29.950 and the symptoms can vary

NOTE Confidence: 0.88858265

01:02:29.950 --> 01:02:32.198 among and within families.

NOTE Confidence: 0.88858265

01:02:32.200 --> 01:02:35.266 The there is treatment that exists that

NOTE Confidence: 0.88858265

01:02:35.266 --> 01:02:38.339 can prevent the development of liver,

NOTE Confidence: 0.88858265

01:02:38.340 --> 01:02:40.600 neurologic and psychiatric findings

NOTE Confidence: 0.88858265

01:02:40.600 --> 01:02:42.860 in asymptomatic affected individuals.

NOTE Confidence: 0.88858265

01:02:42.860 --> 01:02:44.092 And as I mentioned,

NOTE Confidence: 0.88858265

01:02:44.092 --> 01:02:45.632 Wilson disease is inherited in

NOTE Confidence: 0.88858265

01:02:45.632 --> 01:02:47.569 an autosomal recessive manner.

NOTE Confidence: 0.88858265

01:02:47.570 --> 01:02:49.866 If both members of the couple are

NOTE Confidence: 0.88858265

01:02:49.866 --> 01:02:51.550 carriers with each pregnancy,

NOTE Confidence: 0.88858265

01:02:51.550 --> 01:02:54.756 there would be a 25% chance to have an

NOTE Confidence: 0.88858265

01:02:54.756 --> 01:02:57.290 affected child who inherits one copy of

NOTE Confidence: 0.88858265

01:02:57.290 --> 01:02:59.504 the nonworking gene from each parent.

NOTE Confidence: 0.88858265

01:02:59.510 --> 01:03:02.406 A 50% chance to have a child that

NOTE Confidence: 0.88858265

01:03:02.406 --> 01:03:04.548 is an unaffected carrier and a

NOTE Confidence: 0.88858265

01:03:04.548 --> 01:03:07.172 25% chance to have a child that is

NOTE Confidence: 0.88858265

01:03:07.172 --> 01:03:09.529 an unaffected non carrier.

NOTE Confidence: 0.88858265

01:03:09.530 --> 01:03:11.900 And this table shows you quickly

NOTE Confidence: 0.88858265

01:03:11.900 --> 01:03:14.033 what the carrier frequency is

NOTE Confidence: 0.88858265

01:03:14.033 --> 01:03:15.488 among certain populations,

NOTE Confidence: 0.88858265

01:03:15.490 --> 01:03:17.194 the worldwide carrier frequency

NOTE Confidence: 0.88858265

01:03:17.194 --> 01:03:19.324 is approximately 1 and 90.

NOTE Confidence: 0.85637105

01:03:21.860 --> 01:03:24.668 So during the genetic counseling session,

NOTE Confidence: 0.85637105

01:03:24.670 --> 01:03:27.020 I obtained the family pregnancy

NOTE Confidence: 0.85637105

01:03:27.020 --> 01:03:28.430 and medical histories.

NOTE Confidence: 0.85637105

01:03:28.430 --> 01:03:30.770 We discussed the clinical features,

NOTE Confidence: 0.85637105

01:03:30.770 --> 01:03:32.642 an autosomal recessive nature,

NOTE Confidence: 0.85637105

01:03:32.642 --> 01:03:34.982 Wilson disease we talked about,

NOTE Confidence: 0.85637105

01:03:34.990 --> 01:03:37.114 currently available treatment and

NOTE Confidence: 0.85637105

01:03:37.114 --> 01:03:39.238 preimplantation prenatal and post

NOTE Confidence: 0.85637105

01:03:39.238 --> 01:03:41.190 Natal diagnostic test options.

NOTE Confidence: 0.85637105

01:03:41.190 --> 01:03:43.368 And I recommended that her partner

NOTE Confidence: 0.85637105

01:03:43.368 --> 01:03:45.213 have carrier screening for Wilson

NOTE Confidence: 0.85637105

01:03:45.213 --> 01:03:47.175 disease as a non Jewish Caucasian

NOTE Confidence: 0.85637105

01:03:47.175 --> 01:03:48.880 in the general population.

NOTE Confidence: 0.85637105

01:03:48.880 --> 01:03:52.900 He had a one in 90 chance of being a carrier.

NOTE Confidence: 0.85637105

01:03:52.900 --> 01:03:55.096 So prior to him having testing,

NOTE Confidence: 0.85637105

01:03:55.100 --> 01:03:57.968 I did a little math with them and

NOTE Confidence: 0.85637105

01:03:57.968 --> 01:04:00.341 said that their chance of having a

NOTE Confidence: 0.85637105

01:04:00.341 --> 01:04:02.625 child with Wilson disease without

NOTE Confidence: 0.85637105

01:04:02.625 --> 01:04:04.970 having his screening results was.

NOTE Confidence: 0.85637105

01:04:04.970 --> 01:04:07.721 One which is her chance of being

NOTE Confidence: 0.85637105

01:04:07.721 --> 01:04:09.809 a carrier times one in 90.

NOTE Confidence: 0.85637105

01:04:09.810 --> 01:04:12.042 His chance of being a carrier

NOTE Confidence: 0.85637105

01:04:12.042 --> 01:04:13.530 times one and four.

NOTE Confidence: 0.85637105

01:04:13.530 --> 01:04:16.226 The chance that if they were both

NOTE Confidence: 0.85637105

01:04:16.226 --> 01:04:18.556 carriers they would both transmit

NOTE Confidence: 0.85637105

01:04:18.556 --> 01:04:21.223 the disease gene in one pregnancy

NOTE Confidence: 0.85637105

01:04:21.223 --> 01:04:24.600 which came to one out of 360 or .28%.

NOTE Confidence: 0.85637105

01:04:24.600 --> 01:04:26.592 A large part of our session was spent

NOTE Confidence: 0.85637105

01:04:26.592 --> 01:04:28.520 with the patient and her partner

NOTE Confidence: 0.85637105

01:04:28.520 --> 01:04:30.230 expressing how much they regretted

NOTE Confidence: 0.85637105

01:04:30.230 --> 01:04:32.417 that she had pursued expanded carrier

NOTE Confidence: 0.85637105

01:04:32.417 --> 01:04:34.207 screening because they felt that.

NOTE Confidence: 0.85637105

01:04:34.210 --> 01:04:37.352 Her being found to be a carrier

NOTE Confidence: 0.85637105

01:04:37.352 --> 01:04:39.124 was unnecessarily delaying their

NOTE Confidence: 0.85637105

01:04:39.124 --> 01:04:41.957 plans to become pregnant via IVF,

NOTE Confidence: 0.85637105

01:04:41.960 --> 01:04:45.240 and they had a lot of anger and

NOTE Confidence: 0.85637105

01:04:45.240 --> 01:04:48.160 frustration and I tried to listen

NOTE Confidence: 0.85637105

01:04:48.160 --> 01:04:50.168 and validate their feelings,

NOTE Confidence: 0.85637105

01:04:50.170 --> 01:04:53.320 but also explain why they had been

NOTE Confidence: 0.85637105

01:04:53.320 --> 01:04:56.303 referd and help them to understand

NOTE Confidence: 0.85637105

01:04:56.303 --> 01:04:58.868 why their provider thought this

NOTE Confidence: 0.85637105

01:04:58.868 --> 01:05:01.339 was an important step.

NOTE Confidence: 0.85637105

01:05:01.340 --> 01:05:03.895 The husband elect to have carrier screening.

NOTE Confidence: 0.85637105

01:05:03.900 --> 01:05:07.428 He was found to be a carrier for Wilson

NOTE Confidence: 0.85637105

01:05:07.428 --> 01:05:09.537 disease and now their reproductive

NOTE Confidence: 0.85637105

01:05:09.537 --> 01:05:12.410 risk is one in four or 25%.

NOTE Confidence: 0.85637105

01:05:12.410 --> 01:05:15.525 So we spent the next session discussing

NOTE Confidence: 0.85637105

01:05:15.525 --> 01:05:18.659 their options for having in vitro

NOTE Confidence: 0.85637105

01:05:18.659 --> 01:05:20.943 fertilization with some targeted

NOTE Confidence: 0.85637105

01:05:20.943 --> 01:05:23.360 pre implantation genetic testing.

NOTE Confidence: 0.85637105

01:05:23.360 --> 01:05:25.922 Which means that they test a fertilized

NOTE Confidence: 0.85637105

01:05:25.922 --> 01:05:28.708 egg for this specific genetic condition

NOTE Confidence: 0.85637105

01:05:28.708 --> 01:05:30.852 prior to transferring unaffected

NOTE Confidence: 0.85637105

01:05:30.852 --> 01:05:33.449 embryos into the woman's body.

NOTE Confidence: 0.85637105

01:05:33.450 --> 01:05:35.652 And the couple requested that their

NOTE Confidence: 0.85637105

01:05:35.652 --> 01:05:37.871 two children be tested for Wilson

NOTE Confidence: 0.85637105

01:05:37.871 --> 01:05:39.923 disease and a referral to the

NOTE Confidence: 0.85637105

01:05:39.923 --> 01:05:41.810 Department of Genetics was made.

NOTE Confidence: 0.85637105

01:05:41.810 --> 01:05:44.012 Testing of the minor children was

NOTE Confidence: 0.85637105

01:05:44.012 --> 01:05:46.180 coordinated by a genetic counselor,

NOTE Confidence: 0.85637105

01:05:46.180 --> 01:05:48.235 and clinical geneticists in that

NOTE Confidence: 0.85637105

01:05:48.235 --> 01:05:49.879 department and genetic testing

NOTE Confidence: 0.85637105

01:05:49.879 --> 01:05:51.834 revealed that both children are

NOTE Confidence: 0.85637105

01:05:51.834 --> 01:05:53.318 affected with Wilson disease.

NOTE Confidence: 0.85637105

01:05:53.320 --> 01:05:55.160 They were subsequently referred to

NOTE Confidence: 0.85637105

01:05:55.160 --> 01:05:56.632 appropriate specialists for further

NOTE Confidence: 0.85637105

01:05:56.632 --> 01:05:57.923 discussion regarding recommended

NOTE Confidence: 0.85637105

01:05:57.923 --> 01:05:59.679 lifelong treatment and surveillance,

NOTE Confidence: 0.85637105

01:05:59.680 --> 01:06:02.140 and the couple elected to postpone

NOTE Confidence: 0.85637105

01:06:02.140 --> 01:06:04.540 expanding their family until after

NOTE Confidence: 0.85637105

01:06:04.540 --> 01:06:06.982 the immediate medical needs of

NOTE Confidence: 0.85637105

01:06:06.982 --> 01:06:08.770 their children were addressed.

NOTE Confidence: 0.85637105

01:06:08.770 --> 01:06:09.210 Just

NOTE Confidence: 0.8835299

01:06:09.210 --> 01:06:10.539 as a note,

NOTE Confidence: 0.8835299

01:06:10.540 --> 01:06:11.860 we don't typically

NOTE Confidence: 0.8835299

01:06:11.860 --> 01:06:14.070 test minors for genetic conditions,

NOTE Confidence: 0.8835299

01:06:14.070 --> 01:06:17.422 but there are exceptions to that when there

NOTE Confidence: 0.8835299

01:06:17.422 --> 01:06:20.963 is treatment available so that knowing the

NOTE Confidence: 0.8835299

01:06:20.963 --> 01:06:23.583 diagnosis prior to becoming symptomatic.

NOTE Confidence: 0.8835299

01:06:23.590 --> 01:06:27.475 And in situations where they may become

NOTE Confidence: 0.8835299

01:06:27.475 --> 01:06:30.040 symptomatic during childhood is a real.

NOTE Confidence: 0.8835299

01:06:30.040 --> 01:06:33.586 Concern, that is when we would

NOTE Confidence: 0.8835299

01:06:33.586 --> 01:06:36.650 absolutely consider testing a minor.

NOTE Confidence: 0.8835299

01:06:36.650 --> 01:06:40.604 So in conclusion, pregnancy can be

NOTE Confidence: 0.8835299

01:06:40.604 --> 01:06:43.894 many things planned and unplanned,

NOTE Confidence: 0.8835299

01:06:43.900 --> 01:06:45.874 desired or undesired.

NOTE Confidence: 0.8835299

01:06:45.874 --> 01:06:48.060 Wonderful, exciting, scary,

NOTE Confidence: 0.8835299

01:06:48.060 --> 01:06:49.800 anxiety provoking,

NOTE Confidence: 0.8835299

01:06:49.800 --> 01:06:51.540 joyful, depressing.

NOTE Confidence: 0.8835299

01:06:51.540 --> 01:06:53.144 Medically or genetically uneventful

NOTE Confidence: 0.8835299

01:06:53.144 --> 01:06:55.348 or complicated, so many things,

NOTE Confidence: 0.8835299

01:06:55.348 --> 01:06:57.678 and sometimes many of these

NOTE Confidence: 0.8835299

01:06:57.678 --> 01:07:00.427 descriptors are in the same pregnancy.

NOTE Confidence: 0.8835299

01:07:00.430 --> 01:07:02.038 Reproductive genetic counselors

NOTE Confidence: 0.8835299

01:07:02.038 --> 01:07:04.718 have both the responsibility and

NOTE Confidence: 0.8835299

01:07:04.718 --> 01:07:07.143 the privilege of educating and

NOTE Confidence: 0.8835299

01:07:07.143 --> 01:07:09.273 supporting patients who are faced

NOTE Confidence: 0.8835299

01:07:09.273 --> 01:07:11.561 with making difficult decisions prior

NOTE Confidence: 0.8835299

01:07:11.561 --> 01:07:14.285 to and during pregnancy and working

NOTE Confidence: 0.8835299

01:07:14.285 --> 01:07:17.120 with this patient population can be

NOTE Confidence: 0.8835299

01:07:17.120 --> 01:07:19.024 challenging and extremely rewarding.

NOTE Confidence: 0.89627147

01:07:22.700 --> 01:07:24.010 Thank you very much.

NOTE Confidence: 0.8329454

01:07:26.470 --> 01:07:28.717 Thank you Julie. That was a great

NOTE Confidence: 0.8329454

01:07:28.717 --> 01:07:30.320 presentation. I'm wondering that I

NOTE Confidence: 0.8329454

01:07:30.320 --> 01:07:31.608 went over. That's OK,

NOTE Confidence: 0.8329454

01:07:31.610 --> 01:07:32.570 that's OK. There's

NOTE Confidence: 0.8329454

01:07:32.570 --> 01:07:33.850 a lot, a lot

NOTE Confidence: 0.8329454

01:07:33.850 --> 01:07:35.485 to talk about. I'm wondering

NOTE Confidence: 0.8329454

01:07:35.485 --> 01:07:37.709 if I could enlist you to help.

NOTE Confidence: 0.8329454

01:07:37.710 --> 01:07:39.936 There's a couple of questions that I

NOTE Confidence: 0.8329454

01:07:39.936 --> 01:07:42.197 think would be best suited for you,

NOTE Confidence: 0.8329454

01:07:42.200 --> 01:07:45.120 but will let Arpita get on with her

NOTE Confidence: 0.8329454

01:07:45.120 --> 01:07:46.904 cardiology presentation if I could just

NOTE Confidence: 0.8329454

01:07:46.904 --> 01:07:49.259 ask you to maybe help me answer those.

NOTE Confidence: 0.8329454

01:07:49.260 --> 01:07:52.150 Yes, it could be the best person. I will

NOTE Confidence: 0.8329454

01:07:52.150 --> 01:07:53.430 take a peek, thanks.

NOTE Confidence: 0.9300304

01:07:56.390 --> 01:08:00.210 Alright, can you hear me OK? Perfectly,

NOTE Confidence: 0.8689328

01:08:00.210 --> 01:08:01.578 alright, thank you. Thank

NOTE Confidence: 0.8689328

01:08:01.580 --> 01:08:03.633 you Alex and thank you to

NOTE Confidence: 0.8689328

01:08:03.633 --> 01:08:05.002 everyone for being here.

NOTE Confidence: 0.8689328

01:08:05.002 --> 01:08:07.389 I hope you're having a great day.

NOTE Confidence: 0.8689328

01:08:07.390 --> 01:08:09.448 Great afternoon of learning so far.

NOTE Confidence: 0.8689328

01:08:09.450 --> 01:08:12.524 I'm going to try and not speak too fast,

NOTE Confidence: 0.8689328

01:08:12.524 --> 01:08:17.626 but I also know who be mindful of the time.

NOTE Confidence: 0.8689328

01:08:17.630 --> 01:08:20.690 I'll give you an overview of my background

NOTE Confidence: 0.8689328

01:08:20.690 --> 01:08:24.295 a little bit about just how my day or week

NOTE Confidence: 0.8689328

01:08:24.295 --> 01:08:26.800 or month is structured in cardiology.

NOTE Confidence: 0.8689328

01:08:26.800 --> 01:08:29.467 An example from genetic counseling in clinic,

NOTE Confidence: 0.8689328

01:08:29.470 --> 01:08:33.660 and if we still have time we can go over

NOTE Confidence: 0.8689328

01:08:33.765 --> 01:08:37.845 an example from the research that I do.

NOTE Confidence: 0.8689328

01:08:37.850 --> 01:08:40.274 I graduated from the UC Irvine

NOTE Confidence: 0.8689328

01:08:40.274 --> 01:08:41.486 program in 2014.

NOTE Confidence: 0.8689328

01:08:41.490 --> 01:08:44.258 Before that I did my schooling in India

NOTE Confidence: 0.8689328

01:08:44.258 --> 01:08:47.139 and my undergrad degree from Dubai.

NOTE Confidence: 0.8689328

01:08:47.140 --> 01:08:49.155 I mean, I'm technically an

NOTE Confidence: 0.8689328

01:08:49.155 --> 01:08:50.364 engineer in biotechnology,

NOTE Confidence: 0.8689328

01:08:50.370 --> 01:08:52.390 but I have no engineering

NOTE Confidence: 0.8689328

01:08:52.390 --> 01:08:54.006 skills at this point.

NOTE Confidence: 0.8689328

01:08:54.010 --> 01:08:57.130 It's all genetic counseling.

NOTE Confidence: 0.8689328

01:08:57.130 --> 01:08:58.022 After graduating,

NOTE Confidence: 0.8689328

01:08:58.022 --> 01:09:02.003 I worked with some of these lovely folks at

NOTE Confidence: 0.8689328

01:09:02.003 --> 01:09:04.375 the Smilow Cancer Genetics and Prevention

NOTE Confidence: 0.8689328

01:09:04.375 --> 01:09:07.350 program for a little over 2 years.

NOTE Confidence: 0.8689328

01:09:07.350 --> 01:09:10.446 I did give my board exam in 2015 and

NOTE Confidence: 0.8689328

01:09:10.446 --> 01:09:14.295 then from 2017 I've been in internal

NOTE Confidence: 0.8689328

01:09:14.295 --> 01:09:16.575 medicine and cardiology specifically

NOTE Confidence: 0.8689328

01:09:16.667 --> 01:09:19.937 in the cardiovascular genetics program.

NOTE Confidence: 0.8689328

01:09:19.940 --> 01:09:22.406 This pie chart shows how my

NOTE Confidence: 0.8689328

01:09:22.406 --> 01:09:24.930 time is supposed to be spent.

NOTE Confidence: 0.8689328

01:09:24.930 --> 01:09:27.401 You know most of it is supposed

NOTE Confidence: 0.8689328

01:09:27.401 --> 01:09:30.760 to be in patient care in research,

NOTE Confidence: 0.8689328

01:09:30.760 --> 01:09:31.876 about 40% each,

NOTE Confidence: 0.8689328

01:09:31.876 --> 01:09:34.108 and then the remaining split between

NOTE Confidence: 0.8689328

01:09:34.108 --> 01:09:36.160 program development and education.

NOTE Confidence: 0.8689328

01:09:36.160 --> 01:09:38.256 Patient care does overflow,

NOTE Confidence: 0.8689328

01:09:38.256 --> 01:09:42.428 so I don't end up dividing my time

NOTE Confidence: 0.8689328

01:09:42.428 --> 01:09:45.194 as equally as I'm supposed to.

NOTE Confidence: 0.8689328

01:09:45.200 --> 01:09:47.255 Inpatient care I see patients

NOTE Confidence: 0.8689328

01:09:47.255 --> 01:09:48.899 in the inpatient setting,

NOTE Confidence: 0.8689328

01:09:48.900 --> 01:09:51.372 so if they've been admitted to

NOTE Confidence: 0.8689328

01:09:51.372 --> 01:09:53.896 the hospital because of a heart

NOTE Confidence: 0.8689328

01:09:53.896 --> 01:09:56.296 attack or a sudden cardiac arrest,

NOTE Confidence: 0.8689328

01:09:56.300 --> 01:09:58.988 or if win or if they've been referred

NOTE Confidence: 0.8689328

01:09:58.988 --> 01:10:01.034 outpatient so their physician or

NOTE Confidence: 0.8689328

01:10:01.034 --> 01:10:02.774 their general cardiologists picked

NOTE Confidence: 0.8689328

01:10:02.774 --> 01:10:05.938 up on either family history or a

NOTE Confidence: 0.8689328

01:10:05.938 --> 01:10:07.730 personal diagnosis and specifically

NOTE Confidence: 0.8689328

01:10:07.730 --> 01:10:10.582 referred the patient to see one

NOTE Confidence: 0.8689328

01:10:10.582 --> 01:10:13.022 of us in cardiovascular genetics.

NOTE Confidence: 0.8689328

01:10:13.030 --> 01:10:15.388 I work with one position primarily,

NOTE Confidence: 0.8689328

01:10:15.390 --> 01:10:17.295 but we've expanded our services

NOTE Confidence: 0.8689328

01:10:17.295 --> 01:10:19.710 in the last couple of years,

NOTE Confidence: 0.8689328

01:10:19.710 --> 01:10:22.478 and so in a given month I have

NOTE Confidence: 0.8689328

01:10:22.478 --> 01:10:24.820 four to five clinic days,

NOTE Confidence: 0.8689328

01:10:24.820 --> 01:10:27.403 and so that's not a lot when

NOTE Confidence: 0.8689328

01:10:27.403 --> 01:10:30.319 you think of the number of days,

NOTE Confidence: 0.8689328

01:10:30.320 --> 01:10:32.854 but each day we see anywhere between

NOTE Confidence: 0.8689328

01:10:32.854 --> 01:10:35.766 8:00 and 12:00 patients, and so on.

NOTE Confidence: 0.8689328

01:10:35.766 --> 01:10:37.998 Mondays I have a genetic counselor

NOTE Confidence: 0.8689328

01:10:37.998 --> 01:10:38.970 only clinic,

NOTE Confidence: 0.8689328

01:10:38.970 --> 01:10:41.262 which is primarily a phone konsult

NOTE Confidence: 0.8689328

01:10:41.262 --> 01:10:43.400 for patients or family members.

NOTE Confidence: 0.8689328

01:10:43.400 --> 01:10:45.668 And then on Fridays I'm in the

NOTE Confidence: 0.8689328

01:10:45.668 --> 01:10:47.956 MD clinic where you know both of

NOTE Confidence: 0.8689328

01:10:47.956 --> 01:10:49.816 us have to see the patient.

NOTE Confidence: 0.8689328

01:10:49.820 --> 01:10:53.556 We have 40 minutes to complete the konsult.

NOTE Confidence: 0.8689328

01:10:53.560 --> 01:10:55.152 We see primarily adults,

NOTE Confidence: 0.8689328

01:10:55.152 --> 01:10:57.540 but we do see children there.

NOTE Confidence: 0.8689328

01:10:57.540 --> 01:10:59.525 Either the children off our

NOTE Confidence: 0.8689328

01:10:59.525 --> 01:11:01.113 patient or their children,

NOTE Confidence: 0.8689328

01:11:01.120 --> 01:11:03.110 you know referred by the

NOTE Confidence: 0.8689328

01:11:03.110 --> 01:11:04.304 Feed specialty group,

NOTE Confidence: 0.8689328

01:11:04.310 --> 01:11:07.550 and then in our clinics we see all

NOTE Confidence: 0.8689328

01:11:07.550 --> 01:11:09.588 indications I'll talk a little

NOTE Confidence: 0.8689328

01:11:09.588 --> 01:11:11.868 bit more about that later on.

NOTE Confidence: 0.8689328

01:11:11.870 --> 01:11:15.046 There are some cardio GCS that specialize or,

NOTE Confidence: 0.8689328

01:11:15.050 --> 01:11:15.744 you know,

NOTE Confidence: 0.8689328

01:11:15.744 --> 01:11:18.173 tend to focus on one in the

NOTE Confidence: 0.8689328

01:11:18.173 --> 01:11:20.226 indication within cardiology instead

NOTE Confidence: 0.8689328

01:11:20.226 --> 01:11:21.814 of seeing all indications.

NOTE Confidence: 0.8689328

01:11:21.814 --> 01:11:24.593 But mine is a bit more general.

NOTE Confidence: 0.8882973

01:11:26.650 --> 01:11:27.334 For research,

NOTE Confidence: 0.8882973

01:11:27.334 --> 01:11:29.386 it really depends on the project.

NOTE Confidence: 0.8882973

01:11:29.390 --> 01:11:31.442 There are some projects where I

NOTE Confidence: 0.8882973

01:11:31.442 --> 01:11:33.510 am involved from start to finish,

NOTE Confidence: 0.8882973

01:11:33.510 --> 01:11:35.484 but then there are other projects

NOTE Confidence: 0.8882973

01:11:35.484 --> 01:11:38.283 where I only do part of it and so

NOTE Confidence: 0.8882973

01:11:38.283 --> 01:11:40.168 I help develop or manage research

NOTE Confidence: 0.8882973

01:11:40.168 --> 01:11:42.183 protocols either for the physician

NOTE Confidence: 0.8882973

01:11:42.183 --> 01:11:45.640 that I work with or help some other

NOTE Confidence: 0.8882973

01:11:45.640 --> 01:11:48.990 groups figure out how to get data.

NOTE Confidence: 0.8882973

01:11:48.990 --> 01:11:50.394 Times consenting patients

NOTE Confidence: 0.8882973

01:11:50.394 --> 01:11:52.266 for these research studies,

NOTE Confidence: 0.8882973

01:11:52.270 --> 01:11:53.671 I'm sometimes analyzing

NOTE Confidence: 0.8882973

01:11:53.671 --> 01:11:55.539 their broad genetic data,

NOTE Confidence: 0.8882973

01:11:55.540 --> 01:11:58.908 which is the an Excel sheet for the

NOTE Confidence: 0.8882973

01:11:58.908 --> 01:12:02.556 most part that you get from sequencing.

NOTE Confidence: 0.8882973

01:12:02.560 --> 01:12:05.752 In this excel sheet can have anywhere

NOTE Confidence: 0.8882973

01:12:05.752 --> 01:12:08.179 between 60,200 and 20,000 rows.

NOTE Confidence: 0.8882973

01:12:08.180 --> 01:12:10.982 You can narrow it down using

NOTE Confidence: 0.8882973

01:12:10.982 --> 01:12:11.916 certain protocols,

NOTE Confidence: 0.8882973

01:12:11.920 --> 01:12:14.392 but you know we would analyze

NOTE Confidence: 0.8882973

01:12:14.392 --> 01:12:17.933 that to find new jeans or new

NOTE Confidence: 0.8882973

01:12:17.933 --> 01:12:20.337 mutations for certain indications.

NOTE Confidence: 0.8882973

01:12:20.340 --> 01:12:21.441 I mean then,

NOTE Confidence: 0.8882973

01:12:21.441 --> 01:12:22.909 sometimes I'm helping draft

NOTE Confidence: 0.8882973

01:12:22.909 --> 01:12:24.739 a paper or a poster.

NOTE Confidence: 0.8882973

01:12:24.740 --> 01:12:26.455 Sometimes I'm only doing the

NOTE Confidence: 0.8882973

01:12:26.455 --> 01:12:27.827 statistical analysis and not

NOTE Confidence: 0.8882973

01:12:27.827 --> 01:12:29.518 really drafting the manuscript.

NOTE Confidence: 0.8882973

01:12:29.520 --> 01:12:32.556 So it depends on the project.

NOTE Confidence: 0.8882973

01:12:32.560 --> 01:12:33.628 Hope so.

NOTE Confidence: 0.8882973

01:12:33.628 --> 01:12:35.230 For program development,

NOTE Confidence: 0.8882973

01:12:35.230 --> 01:12:37.790 the two main things I tend to do

NOTE Confidence: 0.8882973

01:12:37.790 --> 01:12:40.724 our train admin because a number of

NOTE Confidence: 0.8882973

01:12:40.724 --> 01:12:43.629 referring providers have gone up by help.

NOTE Confidence: 0.8882973

01:12:43.630 --> 01:12:44.380 You know.

NOTE Confidence: 0.8882973

01:12:44.380 --> 01:12:46.255 Develop triage Ng workflows and

NOTE Confidence: 0.8882973

01:12:46.255 --> 01:12:48.978 help them figure out you know which

NOTE Confidence: 0.8882973

01:12:48.978 --> 01:12:51.270 patient is appropriate for which clinic,

NOTE Confidence: 0.8882973

01:12:51.270 --> 01:12:53.944 and then we have a weekly case

NOTE Confidence: 0.8882973

01:12:53.944 --> 01:12:55.850 conference that I lead about

NOTE Confidence: 0.8882973

01:12:55.850 --> 01:12:57.378 15 different positions and

NOTE Confidence: 0.8882973

01:12:57.378 --> 01:12:58.524 advanced practice providers.

NOTE Confidence: 0.8882973

01:12:58.530 --> 01:12:59.300 Attend that,

NOTE Confidence: 0.8882973

01:12:59.300 --> 01:13:03.928 but up to 27 are part of it and so this is.

NOTE Confidence: 0.8882973

01:13:03.930 --> 01:13:06.456 To discuss important or difficult cases,

NOTE Confidence: 0.8882973

01:13:06.460 --> 01:13:08.980 come to you, know a consensus.

NOTE Confidence: 0.8882973

01:13:08.980 --> 01:13:11.085 If providers have differing opinions

NOTE Confidence: 0.8882973

01:13:11.085 --> 01:13:14.250 on how to follow somebody, I mean,

NOTE Confidence: 0.8882973

01:13:14.250 --> 01:13:17.960 so that's every Wednesday for an hour.

NOTE Confidence: 0.8882973

01:13:17.960 --> 01:13:20.432 And then in terms of education

NOTE Confidence: 0.8882973

01:13:20.432 --> 01:13:21.256 or supervision,

NOTE Confidence: 0.8882973

01:13:21.260 --> 01:13:22.912 this might include clinical

NOTE Confidence: 0.8882973

01:13:22.912 --> 01:13:24.564 rotations for graduate students.

NOTE Confidence: 0.8882973

01:13:24.570 --> 01:13:25.398 For example,

NOTE Confidence: 0.8882973

01:13:25.398 --> 01:13:27.468 the Bay Path program sends

NOTE Confidence: 0.8882973

01:13:27.468 --> 01:13:29.520 new students once in awhile.

NOTE Confidence: 0.8882973

01:13:29.520 --> 01:13:31.216 It might include genetics,

NOTE Confidence: 0.8882973

01:13:31.216 --> 01:13:32.912 education for postdoctoral fellows

NOTE Confidence: 0.8882973

01:13:32.912 --> 01:13:35.000 who are working on projects

NOTE Confidence: 0.8882973

01:13:35.000 --> 01:13:36.960 that have a genetics component.

NOTE Confidence: 0.8882973

01:13:36.960 --> 01:13:40.497 So the physician that I work with has a

NOTE Confidence: 0.8882973

01:13:40.497 --> 01:13:43.565 cardiology lab with several postdocs and pH.

NOTE Confidence: 0.8882973

01:13:43.570 --> 01:13:44.300 D students.

NOTE Confidence: 0.8882973

01:13:44.300 --> 01:13:46.490 So then I would be involved

NOTE Confidence: 0.8882973

01:13:46.490 --> 01:13:49.019 from an education perspective.

NOTE Confidence: 0.8882973

01:13:49.020 --> 01:13:51.492 And then occasionally mentoring or being

NOTE Confidence: 0.8882973

01:13:51.492 --> 01:13:54.538 part of the committee for a grad students,

NOTE Confidence: 0.8882973

01:13:54.540 --> 01:13:57.688 pieces or Capstone project.

NOTE Confidence: 0.8882973

01:13:57.690 --> 01:14:00.494 I'll talk a little bit more about

NOTE Confidence: 0.8882973

01:14:00.494 --> 01:14:02.500 the clinical indications it used

NOTE Confidence: 0.8882973

01:14:02.500 --> 01:14:04.428 to be divided into Mendelian,

NOTE Confidence: 0.8882973

01:14:04.428 --> 01:14:07.218 which is a single gene cause of

NOTE Confidence: 0.8882973

01:14:07.218 --> 01:14:09.338 disease and non Mendelian where

NOTE Confidence: 0.8882973

01:14:09.338 --> 01:14:11.487 there are multiple factors that

NOTE Confidence: 0.8882973

01:14:11.487 --> 01:14:13.397 can increase the chance for

NOTE Confidence: 0.8882973

01:14:13.397 --> 01:14:15.314 somebody to have heart disease.

NOTE Confidence: 0.8882973

01:14:15.314 --> 01:14:18.386 But the lines are blurring many of the

NOTE Confidence: 0.8882973

01:14:18.386 --> 01:14:20.887 Mendelian conditions are being found to

NOTE Confidence: 0.8882973

01:14:20.887 --> 01:14:23.350 have multiple components in the risk,

NOTE Confidence: 0.8882973

01:14:23.350 --> 01:14:26.959 and so you may have heard of Marfan syndrome.

NOTE Confidence: 0.8882973

01:14:26.960 --> 01:14:28.250 That's the one.

NOTE Confidence: 0.8882973

01:14:28.250 --> 01:14:30.830 People tend to hear about most

NOTE Confidence: 0.8882973

01:14:30.830 --> 01:14:33.220 commonly a lot of times you know.

NOTE Confidence: 0.8882973

01:14:33.220 --> 01:14:34.363 People are told.

NOTE Confidence: 0.8882973

01:14:34.363 --> 01:14:36.268 If you're tall and thin,

NOTE Confidence: 0.8882973

01:14:36.270 --> 01:14:38.556 go get evaluated for Marfan syndrome,

NOTE Confidence: 0.8882973

01:14:38.560 --> 01:14:41.989 but there's a lot more to it than that.

NOTE Confidence: 0.8882973

01:14:41.990 --> 01:14:43.235 Connective tissue disorders

NOTE Confidence: 0.8882973

01:14:43.235 --> 01:14:44.895 essentially include your bone

NOTE Confidence: 0.8882973

01:14:44.895 --> 01:14:46.938 and your joints in your skin,

NOTE Confidence: 0.8882973

01:14:46.940 --> 01:14:49.045 and there might be complications

NOTE Confidence: 0.8882973

01:14:49.045 --> 01:14:51.150 with bleeding in some forms

NOTE Confidence: 0.8882973

01:14:51.225 --> 01:14:52.629 of these conditions.

NOTE Confidence: 0.8882973

01:14:52.630 --> 01:14:54.830 Cardiomyopathies are structural heart

NOTE Confidence: 0.83698463

01:14:54.830 --> 01:14:58.106 diseases, so the heart muscle itself

NOTE Confidence: 0.83698463

01:14:58.106 --> 01:15:03.080 may be too big or too thin or too

NOTE Confidence: 0.83698463

01:15:03.080 --> 01:15:05.962 weak to pump blood efficiently.

NOTE Confidence: 0.83698463

01:15:05.962 --> 01:15:08.294 Arrhythmias are most commonly

NOTE Confidence: 0.83698463

01:15:08.294 --> 01:15:10.229 called palpitations or A-fib,

NOTE Confidence: 0.83698463

01:15:10.230 --> 01:15:13.434 but there are specific inherited conditions

NOTE Confidence: 0.83698463

01:15:13.434 --> 01:15:16.830 where you could have cardiac based,

NOTE Confidence: 0.83698463

01:15:16.830 --> 01:15:18.838 fainting or cardiac arrests.

NOTE Confidence: 0.83698463

01:15:18.838 --> 01:15:19.842 Familial hypercholesterolemia

NOTE Confidence: 0.83698463

01:15:19.842 --> 01:15:23.331 is the most well known or well

NOTE Confidence: 0.83698463

01:15:23.331 --> 01:15:25.207 described inherited heart disease

NOTE Confidence: 0.83698463

01:15:25.207 --> 01:15:27.646 where your cholesterol tends to be

NOTE Confidence: 0.83698463

01:15:27.646 --> 01:15:29.893 really high from a really young age,

NOTE Confidence: 0.83698463

01:15:29.900 --> 01:15:32.240 usually above 190 MG per DL.

NOTE Confidence: 0.83698463

01:15:32.240 --> 01:15:35.368 So that's you know it can be high,

NOTE Confidence: 0.83698463

01:15:35.370 --> 01:15:37.324 but that doesn't mean it's

NOTE Confidence: 0.83698463

01:15:37.324 --> 01:15:38.108 familial hypercholesterolemia.

NOTE Confidence: 0.83698463

01:15:38.110 --> 01:15:40.616 There are certain cut offs that we

NOTE Confidence: 0.83698463

01:15:40.616 --> 01:15:43.203 use for risk assessment and then

NOTE Confidence: 0.83698463

01:15:43.203 --> 01:15:45.598 there are other syndromes where

NOTE Confidence: 0.83698463

01:15:45.598 --> 01:15:47.917 the cardiac component is just one

NOTE Confidence: 0.83698463

01:15:47.917 --> 01:15:51.160 part of it and so we might do the.

NOTE Confidence: 0.83698463

01:15:51.160 --> 01:15:53.360 Genetic counseling or the genetics

NOTE Confidence: 0.83698463

01:15:53.360 --> 01:15:55.350 evaluation with the cardiac part

NOTE Confidence: 0.83698463

01:15:55.350 --> 01:15:57.758 in mind and then refer to general

NOTE Confidence: 0.83698463

01:15:57.832 --> 01:16:00.448 genetics for more long term follow-up.

NOTE Confidence: 0.83698463

01:16:00.450 --> 01:16:01.737 Non mendelian examples.

NOTE Confidence: 0.83698463

01:16:01.737 --> 01:16:04.311 Hypertension or high blood pressure is

NOTE Confidence: 0.83698463

01:16:04.311 --> 01:16:07.659 a common one coronary artery disease

NOTE Confidence: 0.83698463

01:16:07.659 --> 01:16:09.369 without familial hypercholesterolemia

NOTE Confidence: 0.83698463

01:16:09.369 --> 01:16:11.848 is something we see quite often,

NOTE Confidence: 0.83698463

01:16:11.850 --> 01:16:14.778 and then there are other structural

NOTE Confidence: 0.83698463

01:16:14.778 --> 01:16:18.026 heart diseases that come across we I

NOTE Confidence: 0.83698463

01:16:18.026 --> 01:16:20.402 personally don't do congenital heart

NOTE Confidence: 0.83698463

01:16:20.402 --> 01:16:23.246 defects in the newborns or infants.

NOTE Confidence: 0.83698463

01:16:23.250 --> 01:16:25.150 That's something either general

NOTE Confidence: 0.83698463

01:16:25.150 --> 01:16:27.525 genetics or Pediatrics would do.

NOTE Confidence: 0.83698463

01:16:27.525 --> 01:16:31.535 I believe I don't do congenital

NOTE Confidence: 0.83698463

01:16:31.535 --> 01:16:32.949 heart defects.

NOTE Confidence: 0.83698463

01:16:32.950 --> 01:16:35.218 Now that we've had some time to

NOTE Confidence: 0.83698463

01:16:35.218 --> 01:16:38.089 look at a few different examples,

NOTE Confidence: 0.83698463

01:16:38.090 --> 01:16:42.035 I think it's a good time for the first pole.

NOTE Confidence: 0.83698463

01:16:42.035 --> 01:16:44.602 So when you think of all the

NOTE Confidence: 0.83698463

01:16:44.602 --> 01:16:46.780 different types of heart diseases,

NOTE Confidence: 0.83698463

01:16:46.780 --> 01:16:48.360 whether it's a cardiomyopathy

NOTE Confidence: 0.83698463

01:16:48.360 --> 01:16:49.539 or high cholesterol,

NOTE Confidence: 0.83698463

01:16:49.540 --> 01:16:51.520 what is the estimated prevalence?

NOTE Confidence: 0.83698463

01:16:51.520 --> 01:16:54.453 How common do you think these conditions

NOTE Confidence: 0.83698463

01:16:54.453 --> 01:16:57.359 are in the general population?

NOTE Confidence: 0.83698463

01:16:57.360 --> 01:17:01.056 Is it quite rare that one in 10,000?

NOTE Confidence: 0.83698463

01:17:01.060 --> 01:17:06.140 Is it one in 1001 and 500 or one and 200?

NOTE Confidence: 0.83698463

01:17:06.140 --> 01:17:07.520 Your best guess?

NOTE Confidence: 0.87046456

01:17:12.410 --> 01:17:14.618 We get five more seconds.

NOTE Confidence: 0.84900284

01:17:22.890 --> 01:17:26.040 Results are coming in so most of

NOTE Confidence: 0.84900284

01:17:26.040 --> 01:17:29.190 you said one in 500. The actual

NOTE Confidence: 0.84900284

01:17:29.190 --> 01:17:30.997 numbers one and 200.

NOTE Confidence: 0.84900284

01:17:30.997 --> 01:17:34.653 It's actually a lot more common than we

NOTE Confidence: 0.84900284

01:17:34.653 --> 01:17:38.189 realize when you Add all of this together,

NOTE Confidence: 0.84900284

01:17:38.190 --> 01:17:39.990 and so familial hypercholesterolemia

NOTE Confidence: 0.84900284

01:17:39.990 --> 01:17:41.790 that I talked about,

NOTE Confidence: 0.84900284

01:17:41.790 --> 01:17:44.300 it goes undiagnosed so often

NOTE Confidence: 0.84900284

01:17:44.300 --> 01:17:47.354 because people may not realize they

NOTE Confidence: 0.84900284

01:17:47.354 --> 01:17:49.649 have high cholesterol and that's

NOTE Confidence: 0.84900284

01:17:49.649 --> 01:17:52.850 about one in 200 to one and 250.

NOTE Confidence: 0.84900284

01:17:52.850 --> 01:17:54.818 So when you add up everything,

NOTE Confidence: 0.84900284

01:17:54.820 --> 01:17:57.118 that's the number we tell people

NOTE Confidence: 0.84900284

01:17:57.118 --> 01:17:59.240 when they're interested in learning

NOTE Confidence: 0.84900284

01:17:59.240 --> 01:18:01.320 about inherited heart diseases.

NOTE Confidence: 0.84900284

01:18:01.320 --> 01:18:03.810 In terms of on my slide,

NOTE Confidence: 0.84900284

01:18:03.810 --> 01:18:07.306 isn't there you go in terms of my role?

NOTE Confidence: 0.84900284

01:18:07.306 --> 01:18:10.450 I do a lot of the standard,

NOTE Confidence: 0.84900284

01:18:10.450 --> 01:18:12.014 no genetic counseling activities

NOTE Confidence: 0.84900284

01:18:12.014 --> 01:18:14.876 or like tasks in a session that

NOTE Confidence: 0.84900284

01:18:14.876 --> 01:18:17.086 most other clinical genetic cancer.

NOTE Confidence: 0.84900284

01:18:17.090 --> 01:18:19.170 Patient facing genetic counselors do.

NOTE Confidence: 0.84900284

01:18:19.170 --> 01:18:22.178 So I want to go over this and

NOTE Confidence: 0.84900284

01:18:22.178 --> 01:18:24.559 other speakers have covered this,

NOTE Confidence: 0.84900284

01:18:24.560 --> 01:18:27.880 but a few things I do in addition,

NOTE Confidence: 0.84900284

01:18:27.880 --> 01:18:29.604 which I hadn't before,

NOTE Confidence: 0.84900284

01:18:29.604 --> 01:18:31.328 are specifically related to.

NOTE Confidence: 0.84900284

01:18:31.330 --> 01:18:33.706 Image Ng Records and blood tests.

NOTE Confidence: 0.84900284

01:18:33.710 --> 01:18:36.294 And so a lot of times we will

NOTE Confidence: 0.84900284

01:18:36.294 --> 01:18:37.990 specifically require documentation from

NOTE Confidence: 0.84900284

01:18:37.990 --> 01:18:40.440 family members or medical records.

NOTE Confidence: 0.84900284

01:18:40.440 --> 01:18:41.104 You know,

NOTE Confidence: 0.84900284

01:18:41.104 --> 01:18:43.760 if they've had a MRI or you know

NOTE Confidence: 0.84900284

01:18:43.846 --> 01:18:46.360 blood work for their cholesterol will

NOTE Confidence: 0.84900284

01:18:46.360 --> 01:18:49.379 ask to see that you know they'll

NOTE Confidence: 0.84900284

01:18:49.379 --> 01:18:52.312 have to give us permission to either

NOTE Confidence: 0.84900284

01:18:52.320 --> 01:18:55.875 look in the chart or send it to us,

NOTE Confidence: 0.84900284

01:18:55.880 --> 01:18:57.858 because the symptoms and heart

NOTE Confidence: 0.84900284

01:18:57.858 --> 01:18:59.442 diseases are so generic,

NOTE Confidence: 0.84900284

01:18:59.442 --> 01:19:01.420 you could have palpitations for

NOTE Confidence: 0.84900284

01:19:01.420 --> 01:19:03.010 a non genetic visan.

NOTE Confidence: 0.84900284

01:19:03.010 --> 01:19:05.585 Or you could have it as part

NOTE Confidence: 0.84900284

01:19:05.585 --> 01:19:07.005 of a genetic condition,

NOTE Confidence: 0.84900284

01:19:07.010 --> 01:19:09.488 and so the symptoms are quite vague.

NOTE Confidence: 0.84900284

01:19:09.490 --> 01:19:10.910 Cardiac arrest means something

NOTE Confidence: 0.84900284

01:19:10.910 --> 01:19:12.685 very different from heart attack,

NOTE Confidence: 0.84900284

01:19:12.690 --> 01:19:15.168 but people use it intermittently quite often,

NOTE Confidence: 0.84900284

01:19:15.170 --> 01:19:17.466 and so if you tell me somebody

NOTE Confidence: 0.84900284

01:19:17.466 --> 01:19:19.080 had a heart attack,

NOTE Confidence: 0.84900284

01:19:19.080 --> 01:19:23.008 it was a male that had a heart attack at 55.

NOTE Confidence: 0.84900284

01:19:23.008 --> 01:19:25.654 That's not necessarily as concerning to me

NOTE Confidence: 0.84900284

01:19:25.654 --> 01:19:29.016 as a male that had a cardiac arrest at 55,

NOTE Confidence: 0.84900284

01:19:29.016 --> 01:19:31.858 and so we will often ask to look

NOTE Confidence: 0.84900284

01:19:31.858 --> 01:19:33.672 at family members, image Ng,

NOTE Confidence: 0.84900284

01:19:33.672 --> 01:19:34.800 or Surgical Records.

NOTE Confidence: 0.84900284

01:19:34.800 --> 01:19:37.776 Or even an autopsy report if that's possible,

NOTE Confidence: 0.84900284

01:19:37.780 --> 01:19:40.398 because arrhythmia is a process of exclusion,

NOTE Confidence: 0.84900284

01:19:40.400 --> 01:19:42.506 and so the autopsy couldn't find

NOTE Confidence: 0.84900284

01:19:42.506 --> 01:19:44.870 anything in a deceased family member.

NOTE Confidence: 0.84900284

01:19:44.870 --> 01:19:46.925 But the medical examiner might

NOTE Confidence: 0.84900284

01:19:46.925 --> 01:19:49.950 say it was likely an arrhythmia.

NOTE Confidence: 0.84900284

01:19:49.950 --> 01:19:52.254 We will often ask the patients

NOTE Confidence: 0.84900284

01:19:52.254 --> 01:19:54.230 to get certain screenings before

NOTE Confidence: 0.84900284

01:19:54.230 --> 01:19:56.408 we do genetic testing on them.

NOTE Confidence: 0.84900284

01:19:56.410 --> 01:19:59.070 We might look at their cholesterol panel,

NOTE Confidence: 0.84900284

01:19:59.070 --> 01:20:00.534 glucose and blood pressure.

NOTE Confidence: 0.84900284

01:20:00.534 --> 01:20:02.730 Blood pressure can have an impact

NOTE Confidence: 0.84900284

01:20:02.790 --> 01:20:04.770 on many different heart diseases,

NOTE Confidence: 0.84900284

01:20:04.770 --> 01:20:05.530 including genetics.

NOTE Confidence: 0.84900284

01:20:05.530 --> 01:20:07.828 So the cardiomyopathy, sometimes there is,

NOTE Confidence: 0.84900284

01:20:07.828 --> 01:20:10.144 sometimes blood pressure is a risk

NOTE Confidence: 0.84900284

01:20:10.144 --> 01:20:12.497 factor and then the connective tissue

NOTE Confidence: 0.84900284

01:20:12.497 --> 01:20:15.030 diseases can also be impacted by blood.

NOTE Confidence: 0.84900284

01:20:15.030 --> 01:20:17.090 Pressure levels will often ask

NOTE Confidence: 0.84900284

01:20:17.090 --> 01:20:20.078 them to get an EKG or an MRI.

NOTE Confidence: 0.84900284

01:20:20.080 --> 01:20:21.040 Or calcium score,

NOTE Confidence: 0.84900284

01:20:21.040 --> 01:20:23.653 which is essentially a CT scan to look

NOTE Confidence: 0.84900284

01:20:23.653 --> 01:20:25.802 for calcium deposits to see if they

NOTE Confidence: 0.84900284

01:20:25.802 --> 01:20:28.119 have any signs of coronary disease.

NOTE Confidence: 0.84900284

01:20:28.120 --> 01:20:29.795 And then I also sometimes

NOTE Confidence: 0.84900284

01:20:29.795 --> 01:20:31.135 call out these results.

NOTE Confidence: 0.84900284

01:20:31.140 --> 01:20:33.491 My scope is very limited in this.

NOTE Confidence: 0.84900284

01:20:33.491 --> 01:20:35.850 I can only call out certain types

NOTE Confidence: 0.84900284

01:20:35.926 --> 01:20:38.302 of results and so for a subset of

NOTE Confidence: 0.84900284

01:20:38.302 --> 01:20:40.518 patients I called them out myself.

NOTE Confidence: 0.84900284

01:20:40.520 --> 01:20:42.320 But then for most other patients

NOTE Confidence: 0.84900284

01:20:42.320 --> 01:20:43.520 I review it with

NOTE Confidence: 0.86358523

01:20:43.581 --> 01:20:44.754 the physician before

NOTE Confidence: 0.86358523

01:20:44.754 --> 01:20:47.790 calling out these results.

NOTE Confidence: 0.86358523

01:20:47.790 --> 01:20:51.208 The case example I have is for arrhythmogenic

NOTE Confidence: 0.86358523

01:20:51.208 --> 01:20:52.489 right ventricular cardiomyopathy.

NOTE Confidence: 0.86358523

01:20:52.490 --> 01:20:54.620 It's a really long name.

NOTE Confidence: 0.86358523

01:20:54.620 --> 01:20:57.182 It's actually short, and nowadays it's

NOTE Confidence: 0.86358523

01:20:57.182 --> 01:20:58.463 called arrhythmogenic cardiomyopathy.

NOTE Confidence: 0.86358523

01:20:58.470 --> 01:21:01.450 It's one of the more rare conditions,

NOTE Confidence: 0.86358523

01:21:01.450 --> 01:21:04.439 and it's inherited in a dominant manner,

NOTE Confidence: 0.86358523

01:21:04.440 --> 01:21:06.924 so one genetic mutation is theoretically

NOTE Confidence: 0.86358523

01:21:06.924 --> 01:21:09.525 enough for somebody to have this

NOTE Confidence: 0.86358523

01:21:09.525 --> 01:21:11.277 condition over their lifetime.

NOTE Confidence: 0.86358523

01:21:11.280 --> 01:21:13.440 Essentially, what happens in this

NOTE Confidence: 0.86358523

01:21:13.440 --> 01:21:16.400 is now your heart is a tissue.

NOTE Confidence: 0.86358523

01:21:16.400 --> 01:21:18.590 It's made up of specialized.

NOTE Confidence: 0.86358523

01:21:18.590 --> 01:21:19.494 Cardiac cells,

NOTE Confidence: 0.86358523

01:21:19.494 --> 01:21:21.754 but in this condition that

NOTE Confidence: 0.86358523

01:21:21.754 --> 01:21:23.578 tissue is progressively replaced

NOTE Confidence: 0.86358523

01:21:23.578 --> 01:21:25.548 with fat and scar tissue,

NOTE Confidence: 0.86358523

01:21:25.550 --> 01:21:27.725 and that affects the integrity

NOTE Confidence: 0.86358523

01:21:27.725 --> 01:21:29.465 of the heart structure.

NOTE Confidence: 0.86358523

01:21:29.470 --> 01:21:32.950 It's not able to pump blood as efficiently,

NOTE Confidence: 0.86358523

01:21:32.950 --> 01:21:35.560 and so maybe it's struggling to,

NOTE Confidence: 0.86358523

01:21:35.560 --> 01:21:38.170 you know, keep a certain rhythm.

NOTE Confidence: 0.86358523

01:21:38.170 --> 01:21:40.780 You can have syncope or presyncope,

NOTE Confidence: 0.86358523

01:21:40.780 --> 01:21:42.085 which are essentially

NOTE Confidence: 0.86358523

01:21:42.085 --> 01:21:43.390 fainting and Lightheadedness,

NOTE Confidence: 0.86358523

01:21:43.390 --> 01:21:45.130 not the normal fainting

NOTE Confidence: 0.86358523

01:21:45.130 --> 01:21:46.855 that most children have.

NOTE Confidence: 0.86358523

01:21:46.855 --> 01:21:49.405 This you know there are differences

NOTE Confidence: 0.86358523

01:21:49.405 --> 01:21:51.730 in cardiac fainting and vasovagal.

NOTE Confidence: 0.86358523

01:21:51.730 --> 01:21:53.635 Painting you can have palpitations

NOTE Confidence: 0.86358523

01:21:53.635 --> 01:21:55.540 or sudden death and sudden.

NOTE Confidence: 0.86358523

01:21:55.540 --> 01:21:58.207 That doesn't mean that somebody is deceased,

NOTE Confidence: 0.86358523

01:21:58.210 --> 01:22:00.870 but they could be revived or resuscitated,

NOTE Confidence: 0.86358523

01:22:00.870 --> 01:22:03.348 but this is typically what we

NOTE Confidence: 0.86358523

01:22:03.348 --> 01:22:06.579 ask for in a family history.

NOTE Confidence: 0.86358523

01:22:06.580 --> 01:22:08.510 There are medications for treatment.

NOTE Confidence: 0.86358523

01:22:08.510 --> 01:22:10.094 There are lifestyle modifications.

NOTE Confidence: 0.86358523

01:22:10.094 --> 01:22:12.074 This is 1 specific example

NOTE Confidence: 0.86358523

01:22:12.074 --> 01:22:13.898 where somebody is an athlete.

NOTE Confidence: 0.86358523

01:22:13.900 --> 01:22:16.205 Bay may get a strong recommendation

NOTE Confidence: 0.86358523

01:22:16.205 --> 01:22:18.660 to either reduce the intensity or

NOTE Confidence: 0.86358523

01:22:18.660 --> 01:22:20.730 frequency of their sport because

NOTE Confidence: 0.86358523

01:22:20.803 --> 01:22:22.855 exercise and activity can be a

NOTE Confidence: 0.86358523

01:22:22.855 --> 01:22:25.061 trigger for a rythmia and then

NOTE Confidence: 0.86358523

01:22:25.061 --> 01:22:26.986 you know shared decision making.

NOTE Confidence: 0.86358523

01:22:26.990 --> 01:22:29.300 Such is such an important part

NOTE Confidence: 0.86358523

01:22:29.300 --> 01:22:30.840 of all our conversations.

NOTE Confidence: 0.86358523

01:22:30.840 --> 01:22:33.801 Somebody may choose to keep playing that

NOTE Confidence: 0.86358523

01:22:33.801 --> 01:22:37.454 sport but with an ICD which is like a little.

NOTE Confidence: 0.86358523

01:22:37.460 --> 01:22:41.300 Pacemaker that helps regulate heart rhythm.

NOTE Confidence: 0.86358523

01:22:41.300 --> 01:22:43.520 And so this particular example,

NOTE Confidence: 0.86358523

01:22:43.520 --> 01:22:46.166 the mail with this arrow here,

NOTE Confidence: 0.86358523

01:22:46.170 --> 01:22:48.390 had come into our clinic.

NOTE Confidence: 0.86358523

01:22:48.390 --> 01:22:52.820 Then 11 years ago I wasn't part of the team.

NOTE Confidence: 0.86358523

01:22:52.820 --> 01:22:55.914 Then he came in because his son,

NOTE Confidence: 0.86358523

01:22:55.920 --> 01:22:57.724 who is down here,

NOTE Confidence: 0.86358523

01:22:57.724 --> 01:23:00.430 had a sudden cardiac arrest at

NOTE Confidence: 0.86358523

01:23:00.532 --> 01:23:03.444 29 and did pass away from that.

NOTE Confidence: 0.86358523

01:23:03.450 --> 01:23:06.150 And the autopsy showed some fibrosis

NOTE Confidence: 0.86358523

01:23:06.150 --> 01:23:08.769 and fatty replacement at that time.

NOTE Confidence: 0.86358523

01:23:08.770 --> 01:23:11.420 Genetic testing was done on the.

NOTE Confidence: 0.86358523

01:23:11.420 --> 01:23:12.240 Pearl Bank,

NOTE Confidence: 0.86358523

01:23:12.240 --> 01:23:14.520 the presenting person in the family.

NOTE Confidence: 0.86358523

01:23:14.520 --> 01:23:17.226 They looked at 10 different genes

NOTE Confidence: 0.86358523

01:23:17.226 --> 01:23:19.860 and it was completely negative.

NOTE Confidence: 0.86358523

01:23:19.860 --> 01:23:22.471 They came back to us more recently

NOTE Confidence: 0.86358523

01:23:22.471 --> 01:23:24.986 last year because another son had a

NOTE Confidence: 0.86358523

01:23:24.986 --> 01:23:27.943 cardiac arrest at 42 and was in the

NOTE Confidence: 0.86358523

01:23:27.943 --> 01:23:30.198 hospital and eventually did possibly,

NOTE Confidence: 0.86358523

01:23:30.200 --> 01:23:32.920 and so you know the concern was that

NOTE Confidence: 0.86358523

01:23:32.920 --> 01:23:35.950 you know this is now clearly inherited.

NOTE Confidence: 0.86358523

01:23:35.950 --> 01:23:38.624 We don't know what the genetic causes,

NOTE Confidence: 0.86358523

01:23:38.630 --> 01:23:40.910 'cause testing was negative and there

NOTE Confidence: 0.86358523

01:23:40.910 --> 01:23:43.254 are all these other family members

NOTE Confidence: 0.86358523

01:23:43.254 --> 01:23:45.900 that were not evaluated in the past.

NOTE Confidence: 0.86358523

01:23:45.900 --> 01:23:48.728 In the past it was just that

NOTE Confidence: 0.86358523

01:23:48.728 --> 01:23:50.630 one person because he had.

NOTE Confidence: 0.86358523

01:23:50.630 --> 01:23:51.994 The connecting relative his

NOTE Confidence: 0.86358523

01:23:51.994 --> 01:23:53.358 brother had a fib,

NOTE Confidence: 0.86358523

01:23:53.360 --> 01:23:55.523 which can sometimes be a symptom and

NOTE Confidence: 0.86358523

01:23:55.523 --> 01:23:58.127 his son had the sudden cardiac death.

NOTE Confidence: 0.86358523

01:23:58.130 --> 01:24:01.180 But now we don't know.

NOTE Confidence: 0.86358523

01:24:01.180 --> 01:24:03.460 And so one question on this,

NOTE Confidence: 0.86358523

01:24:03.460 --> 01:24:06.500 and that's I think the next poll is,

NOTE Confidence: 0.86358523

01:24:06.500 --> 01:24:07.208 you know,

NOTE Confidence: 0.86358523

01:24:07.208 --> 01:24:09.686 there are so many you know people

NOTE Confidence: 0.86358523

01:24:09.686 --> 01:24:11.819 involved from the next generation,

NOTE Confidence: 0.86358523

01:24:11.820 --> 01:24:14.100 so this is pulled to when

NOTE Confidence: 0.8554804

01:24:14.100 --> 01:24:16.323 do you think clinical screening or

NOTE Confidence: 0.8554804

01:24:16.323 --> 01:24:18.128 treatment typically starts for the

NOTE Confidence: 0.8554804

01:24:18.128 --> 01:24:20.180 most common inherited heart disease?

NOTE Confidence: 0.8554804

01:24:20.180 --> 01:24:23.220 And I know I've said this is rare,

NOTE Confidence: 0.8554804

01:24:23.220 --> 01:24:25.880 but in general is it, you know,

NOTE Confidence: 0.8554804

01:24:25.880 --> 01:24:27.780 in infancy and early childhood,

NOTE Confidence: 0.8554804

01:24:27.780 --> 01:24:31.352 so between birth and five years 6 to 12.

NOTE Confidence: 0.8554804

01:24:31.352 --> 01:24:34.726 A dollar since 13 to 18 adulthood.

NOTE Confidence: 0.8554804

01:24:34.730 --> 01:24:37.160 Early adulthood 18 to 34

NOTE Confidence: 0.8554804

01:24:37.160 --> 01:24:39.600 or 35 years and older.

NOTE Confidence: 0.8457125

01:24:47.270 --> 01:24:49.958 And will give five more seconds.

NOTE Confidence: 0.52548826

01:24:51.630 --> 01:24:52.150 Skype.

NOTE Confidence: 0.85824776

01:24:59.550 --> 01:25:01.390 The 18 to 34 years.

NOTE Confidence: 0.85824776

01:25:01.390 --> 01:25:03.958 That's what I used to think do.

NOTE Confidence: 0.85824776

01:25:03.958 --> 01:25:05.059 And you know,

NOTE Confidence: 0.85824776

01:25:05.060 --> 01:25:07.988 a lot of times that is the experience.

NOTE Confidence: 0.85824776

01:25:07.990 --> 01:25:09.830 I guess in cancer genetics,

NOTE Confidence: 0.85824776

01:25:09.830 --> 01:25:11.460 you know it's primarily adult

NOTE Confidence: 0.85824776

01:25:11.460 --> 01:25:13.860 onset and that was my background.

NOTE Confidence: 0.85824776

01:25:13.860 --> 01:25:16.364 It's actually 6 to 12 years in cardiology

NOTE Confidence: 0.85824776

01:25:16.364 --> 01:25:18.270 we can initiate cardiac screening

NOTE Confidence: 0.85824776

01:25:18.270 --> 01:25:21.098 because we are seeing more and more

NOTE Confidence: 0.85824776

01:25:21.169 --> 01:25:23.768 that it goes undetected around age 8.

NOTE Confidence: 0.85824776

01:25:23.770 --> 01:25:25.615 And our physicians even want

NOTE Confidence: 0.85824776

01:25:25.615 --> 01:25:27.810 to start earlier if they can.

NOTE Confidence: 0.85824776

01:25:27.810 --> 01:25:29.640 For example, for high cholesterol,

NOTE Confidence: 0.85824776

01:25:29.640 --> 01:25:31.152 you could theoretically start

NOTE Confidence: 0.85824776

01:25:31.152 --> 01:25:33.420 treatment between age 10 and 12.

NOTE Confidence: 0.85824776

01:25:33.420 --> 01:25:35.718 If they have really high cholesterol

NOTE Confidence: 0.85824776

01:25:35.718 --> 01:25:38.014 because the amount of time you're

NOTE Confidence: 0.85824776

01:25:38.014 --> 01:25:40.252 exposed to high cholesterol is what

NOTE Confidence: 0.85824776

01:25:40.252 --> 01:25:42.460 determines how much risk you have

NOTE Confidence: 0.85824776

01:25:42.526 --> 01:25:45.190 for coronary disease and then for

NOTE Confidence: 0.85824776

01:25:45.190 --> 01:25:46.966 cardiomyopathies which we're talking

NOTE Confidence: 0.85824776

01:25:47.033 --> 01:25:49.886 about screening the start around age 8 or so,

NOTE Confidence: 0.85824776

01:25:49.890 --> 01:25:52.946 and you know we plug them in earlier,

NOTE Confidence: 0.85824776

01:25:52.950 --> 01:25:55.848 and so in this particular family.

NOTE Confidence: 0.85824776

01:25:55.850 --> 01:25:58.238 Like there were many individuals that

NOTE Confidence: 0.85824776

01:25:58.238 --> 01:26:00.580 could benefit from screening even if

NOTE Confidence: 0.85824776

01:26:00.580 --> 01:26:02.620 there is no genetic cause identified,

NOTE Confidence: 0.85824776

01:26:02.620 --> 01:26:06.156 you would want to screen in the close

NOTE Confidence: 0.85824776

01:26:06.156 --> 01:26:09.417 relatives with EKG's or Mris in this case.

NOTE Confidence: 0.85824776

01:26:09.420 --> 01:26:12.115 And so the things we talked about

NOTE Confidence: 0.85824776

01:26:12.120 --> 01:26:14.825 for all of them included the genetic

NOTE Confidence: 0.85824776

01:26:14.825 --> 01:26:17.120 test results from 10 years ago,

NOTE Confidence: 0.85824776

01:26:17.120 --> 01:26:19.780 which were negative know what is their

NOTE Confidence: 0.85824776

01:26:19.780 --> 01:26:22.128 value in repeating that testing now.

NOTE Confidence: 0.85824776

01:26:22.130 --> 01:26:25.290 And the answer is yes.

NOTE Confidence: 0.85824776

01:26:25.290 --> 01:26:27.835 We found out that one of the

NOTE Confidence: 0.85824776

01:26:27.835 --> 01:26:29.630 children actually ended up having

NOTE Confidence: 0.85824776

01:26:29.705 --> 01:26:32.075 some genetic testing few years ago,

NOTE Confidence: 0.85824776

01:26:32.080 --> 01:26:34.336 and it was an uncertain result.

NOTE Confidence: 0.85824776

01:26:34.340 --> 01:26:37.098 The VUS is a variant of uncertain

NOTE Confidence: 0.85824776

01:26:37.098 --> 01:26:39.240 significance where there is a variant,

NOTE Confidence: 0.85824776

01:26:39.240 --> 01:26:41.440 but we just don't have enough

NOTE Confidence: 0.85824776

01:26:41.440 --> 01:26:43.510 information on it to know whether

NOTE Confidence: 0.85824776

01:26:43.510 --> 01:26:46.286 it's the cause of the condition or

NOTE Confidence: 0.85824776

01:26:46.286 --> 01:26:47.902 whether it's completely benign.

NOTE Confidence: 0.85824776

01:26:47.910 --> 01:26:50.332 We may be having just seen it

NOTE Confidence: 0.85824776

01:26:50.332 --> 01:26:52.429 enough number of times before,

NOTE Confidence: 0.85824776

01:26:52.430 --> 01:26:55.069 and so we went over those results.

NOTE Confidence: 0.85824776

01:26:55.070 --> 01:26:55.730 Logistic issues.

NOTE Confidence: 0.85824776

01:26:55.730 --> 01:26:58.370 The 42 year old who had the heart

NOTE Confidence: 0.85824776

01:26:58.437 --> 01:27:01.047 the cardiac arrest recently was in

NOTE Confidence: 0.85824776

01:27:01.047 --> 01:27:03.111 a completely different hospital and

NOTE Confidence: 0.85824776

01:27:03.111 --> 01:27:05.696 so we had to figure out how to get a

NOTE Confidence: 0.85824776

01:27:05.696 --> 01:27:07.326 sample which physicians to coordinate

NOTE Confidence: 0.85824776

01:27:07.326 --> 01:27:09.650 with where to even send the testing.

NOTE Confidence: 0.85824776

01:27:09.650 --> 01:27:11.618 Would insurance cover it or not?

NOTE Confidence: 0.85824776

01:27:11.620 --> 01:27:11.993 Thankfully,

NOTE Confidence: 0.85824776

01:27:11.993 --> 01:27:14.231 we have some free genetic testing

NOTE Confidence: 0.85824776

01:27:14.231 --> 01:27:16.246 options in cardiology that we're able

NOTE Confidence: 0.85824776

01:27:16.246 --> 01:27:18.192 to access for a lot of situations,

NOTE Confidence: 0.85824776

01:27:18.200 --> 01:27:21.440 and so you know that was not a

NOTE Confidence: 0.85824776

01:27:21.440 --> 01:27:24.187 big challenge for us in this case.

NOTE Confidence: 0.85824776

01:27:24.190 --> 01:27:26.608 That genetic testing from the 42

NOTE Confidence: 0.85824776

01:27:26.608 --> 01:27:29.111 year old did identify two VUS is

NOTE Confidence: 0.85824776

01:27:29.111 --> 01:27:31.104 the one that had been identified

NOTE Confidence: 0.85824776

01:27:31.104 --> 01:27:32.560 before and another one.

NOTE Confidence: 0.85824776

01:27:32.560 --> 01:27:35.464 So going over the fact that it's still,

NOTE Confidence: 0.85824776

01:27:35.470 --> 01:27:37.290 you know, an uncertain result.

NOTE Confidence: 0.85824776

01:27:37.290 --> 01:27:40.210 Is there any utility in testing other people?

NOTE Confidence: 0.85824776

01:27:40.210 --> 01:27:40.994 You know?

NOTE Confidence: 0.85824776

01:27:40.994 --> 01:27:42.954 We do something called segregation

NOTE Confidence: 0.85824776

01:27:42.954 --> 01:27:45.162 analysis which has a research component

NOTE Confidence: 0.85824776

01:27:45.162 --> 01:27:47.423 where we're trying to see is it

NOTE Confidence: 0.85824776

01:27:47.492 --> 01:27:49.670 tracking with symptoms in a family.

NOTE Confidence: 0.85824776

01:27:49.670 --> 01:27:51.126 And then you know,

NOTE Confidence: 0.85824776

01:27:51.126 --> 01:27:53.673 we have to figure out who is

NOTE Confidence: 0.85824776

01:27:53.673 --> 01:27:55.082 the best person to.

NOTE Confidence: 0.85824776

01:27:55.082 --> 01:27:56.446 Best in this scenario,

NOTE Confidence: 0.85824776

01:27:56.450 --> 01:27:58.571 if we want to do segregation analysis

NOTE Confidence: 0.85824776

01:27:58.571 --> 01:27:59.900 and then psychosocial issues,

NOTE Confidence: 0.85824776

01:27:59.900 --> 01:28:02.708 the mom of the two sons who passed away,

NOTE Confidence: 0.85824776

01:28:02.710 --> 01:28:04.552 you know she had not been

NOTE Confidence: 0.85824776

01:28:04.552 --> 01:28:05.780 evaluated in the past

NOTE Confidence: 0.88261193

01:28:05.854 --> 01:28:08.310 and so there was a lot of guilt

NOTE Confidence: 0.88261193

01:28:08.310 --> 01:28:09.922 and frustration over the fact

NOTE Confidence: 0.88261193

01:28:09.922 --> 01:28:12.099 that you know there was no follow

NOTE Confidence: 0.88261193

01:28:12.100 --> 01:28:14.284 up for her side of the family.

NOTE Confidence: 0.88261193

01:28:14.290 --> 01:28:16.168 Clinically, there had not been a

NOTE Confidence: 0.88261193

01:28:16.168 --> 01:28:17.952 reason previously, but you know,

NOTE Confidence: 0.88261193

01:28:17.952 --> 01:28:19.488 obviously we're redoing everything

NOTE Confidence: 0.88261193

01:28:19.488 --> 01:28:21.749 at this point and so the focus

NOTE Confidence: 0.88261193

01:28:21.749 --> 01:28:23.925 on one side of the family I had

NOTE Confidence: 0.88261193

01:28:23.925 --> 01:28:25.295 to shift from looking at.

NOTE Confidence: 0.88261193

01:28:25.300 --> 01:28:27.682 All the relatives who are closely

NOTE Confidence: 0.88261193

01:28:27.682 --> 01:28:30.092 related to the individuals that had

NOTE Confidence: 0.88261193

01:28:30.092 --> 01:28:32.330 the sudden cardiac arrest and death.

NOTE Confidence: 0.88261193

01:28:32.330 --> 01:28:34.844 I don't think we have too much

NOTE Confidence: 0.88261193

01:28:34.844 --> 01:28:36.634 time for the research example.

NOTE Confidence: 0.88261193

01:28:36.640 --> 01:28:39.136 I'm just going to say that you know

NOTE Confidence: 0.88261193

01:28:39.136 --> 01:28:42.019 my role really depends on the project,

NOTE Confidence: 0.88261193

01:28:42.020 --> 01:28:44.180 and these projects can take years.

NOTE Confidence: 0.88261193

01:28:44.180 --> 01:28:45.532 This was started in.

NOTE Confidence: 0.88261193

01:28:45.532 --> 01:28:47.560 This particular example was started in

NOTE Confidence: 0.88261193

01:28:47.626 --> 01:28:49.864 2015 and we're just about submitting

NOTE Confidence: 0.88261193

01:28:49.864 --> 01:28:51.356 revisions for a publication.

NOTE Confidence: 0.88261193

01:28:51.360 --> 01:28:53.510 It started off with one symptom

NOTE Confidence: 0.88261193

01:28:53.510 --> 01:28:56.230 and then now you can see from the

NOTE Confidence: 0.88261193

01:28:56.230 --> 01:28:57.870 different colors there are different

NOTE Confidence: 0.88261193

01:28:57.937 --> 01:28:59.609 symptoms in different people.

NOTE Confidence: 0.88261193

01:28:59.610 --> 01:29:01.405 Two different genetic mutations that

NOTE Confidence: 0.88261193

01:29:01.405 --> 01:29:05.050 we're tracking so it can take a lot of time.

NOTE Confidence: 0.88261193

01:29:05.050 --> 01:29:06.590 But it's you know,

NOTE Confidence: 0.88261193

01:29:06.590 --> 01:29:07.890 a very enriching experience,

NOTE Confidence: 0.88261193

01:29:07.890 --> 01:29:10.080 and so that's where I leave it.

NOTE Confidence: 0.88261193

01:29:10.080 --> 01:29:11.976 If we have time for questions,

NOTE Confidence: 0.88261193

01:29:11.980 --> 01:29:13.560 I'm happy to take them.

NOTE Confidence: 0.88261193

01:29:13.560 --> 01:29:15.737 Or you can email me or I'll

NOTE Confidence: 0.88261193

01:29:15.737 --> 01:29:17.998 be around at the end as well.

NOTE Confidence: 0.88261193

01:29:18.000 --> 01:29:18.630 Thank you.

NOTE Confidence: 0.8421894

01:29:20.670 --> 01:29:22.300 Things are pretty great talk

NOTE Confidence: 0.8421894

01:29:22.300 --> 01:29:23.930 and there were a couple

NOTE Confidence: 0.8421894

01:29:23.930 --> 01:29:25.886 of questions for you. I think.

NOTE Confidence: 0.8421894

01:29:25.890 --> 01:29:28.039 Same with Julie if I could just

NOTE Confidence: 0.8421894

01:29:28.039 --> 01:29:30.120 direct you to the Q&A portion.

NOTE Confidence: 0.8421894

01:29:30.120 --> 01:29:32.688 And of course at the very end will

NOTE Confidence: 0.8421894

01:29:32.688 --> 01:29:35.009 have more time to talk about it,

NOTE Confidence: 0.8421894

01:29:35.010 --> 01:29:37.299 but I'll let I think it's Samantha.

NOTE Confidence: 0.8421894

01:29:37.300 --> 01:29:38.270 You're up next.

NOTE Confidence: 0.85432136

01:29:40.410 --> 01:29:41.560 OK.

NOTE Confidence: 0.1143353

01:29:44.770 --> 01:29:45.690 Right?

NOTE Confidence: 0.806062468

01:29:46.970 --> 01:29:49.540 Nobody see my screen. Excellent,

NOTE Confidence: 0.85935754

01:29:49.540 --> 01:29:52.180 OK, so my name is Sam.

NOTE Confidence: 0.85935754

01:29:52.180 --> 01:29:54.380 I work in the genetics

NOTE Confidence: 0.85935754

01:29:54.380 --> 01:29:56.140 department here at Yale.

NOTE Confidence: 0.85935754

01:29:56.140 --> 01:29:59.148 You may have heard some folks say clinical

NOTE Confidence: 0.85935754

01:29:59.148 --> 01:30:01.858 genetics or clinical genetic counselor.

NOTE Confidence: 0.85935754

01:30:01.860 --> 01:30:03.405 That's my department,

NOTE Confidence: 0.85935754

01:30:03.405 --> 01:30:06.495 so I'll kind of go into.

NOTE Confidence: 0.85935754

01:30:06.500 --> 01:30:10.378 What we do and how we differ

NOTE Confidence: 0.85935754

01:30:10.378 --> 01:30:13.640 maybe from other specialties?

NOTE Confidence: 0.85935754

01:30:13.640 --> 01:30:16.120 Just briefly on my background,

NOTE Confidence: 0.85935754

01:30:16.120 --> 01:30:20.088 I went to undergrad at UConn go Huskies.

NOTE Confidence: 0.85935754

01:30:20.090 --> 01:30:24.199 I then went to the University of

NOTE Confidence: 0.85935754

01:30:24.199 --> 01:30:26.800 Pittsburgh for Graduate School.

NOTE Confidence: 0.85935754

01:30:26.800 --> 01:30:28.666 Created in 2017,

NOTE Confidence: 0.85935754

01:30:28.666 --> 01:30:33.020 I took a job at Connecticut Children's

NOTE Confidence: 0.85935754

01:30:33.142 --> 01:30:36.878 where I was a Jack of all trades.

NOTE Confidence: 0.85935754

01:30:36.880 --> 01:30:42.949 I was involved in pediatric genetics clinic.

NOTE Confidence: 0.85935754

01:30:42.950 --> 01:30:44.120 Take Children's Hospital

NOTE Confidence: 0.85935754

01:30:44.120 --> 01:30:45.680 so our pediatric patients.

NOTE Confidence: 0.85935754

01:30:45.680 --> 01:30:47.972 I also saw patients in the

NOTE Confidence: 0.85935754

01:30:47.972 --> 01:30:50.751 neurology clinic so I was doing a

NOTE Confidence: 0.85935754

01:30:50.751 --> 01:30:53.085 little bit of neurology as well.

NOTE Confidence: 0.85935754

01:30:53.090 --> 01:30:54.845 Also doing a utilization management

NOTE Confidence: 0.85935754

01:30:54.845 --> 01:30:57.063 type of role where there was

NOTE Confidence: 0.85935754

01:30:57.063 --> 01:30:58.655 essentially a consultation service

NOTE Confidence: 0.85935754

01:30:58.655 --> 01:31:01.130 they would other providers in different

NOTE Confidence: 0.85935754

01:31:01.130 --> 01:31:03.230 specialty areas would contact me.

NOTE Confidence: 0.85935754

01:31:03.230 --> 01:31:04.000 Say hey,

NOTE Confidence: 0.85935754

01:31:04.000 --> 01:31:06.695 what's the best genetic test for XY

NOTE Confidence: 0.85935754

01:31:06.695 --> 01:31:09.745 and Z symptom or for this patient and

NOTE Confidence: 0.85935754

01:31:09.745 --> 01:31:12.698 I would kind of help navigate that.

NOTE Confidence: 0.85935754

01:31:12.700 --> 01:31:13.246 Process.

NOTE Confidence: 0.85935754

01:31:13.246 --> 01:31:17.068 I also did a little bit of

NOTE Confidence: 0.85935754

01:31:17.068 --> 01:31:19.240 qualitative research there too,

NOTE Confidence: 0.85935754

01:31:19.240 --> 01:31:21.935 and just last year I tried to

NOTE Confidence: 0.85935754

01:31:21.935 --> 01:31:25.696 simplify my role as being more of a

NOTE Confidence: 0.85935754

01:31:25.696 --> 01:31:27.708 general genetics genetic counselor.

NOTE Confidence: 0.85935754

01:31:27.710 --> 01:31:33.126 So here working at the School of Medicine.

NOTE Confidence: 0.85935754

01:31:33.130 --> 01:31:36.480 So briefly.

NOTE Confidence: 0.85935754

01:31:36.480 --> 01:31:39.640 General Genetics is kind of

NOTE Confidence: 0.85935754

01:31:39.640 --> 01:31:41.536 a catchall phrase.

NOTE Confidence: 0.85935754

01:31:41.540 --> 01:31:45.248 We really see individuals with genetic

NOTE Confidence: 0.85935754

01:31:45.248 --> 01:31:48.590 conditions really throughout the lifespan.

NOTE Confidence: 0.85935754

01:31:48.590 --> 01:31:49.882 Arbiter was talking about.

NOTE Confidence: 0.85935754

01:31:49.882 --> 01:31:52.542 She sees patients and they have.

NOTE Confidence: 0.85935754

01:31:52.542 --> 01:31:53.670 Cardiology manifestations,

NOTE Confidence: 0.85935754

01:31:53.670 --> 01:31:54.373 folks.

NOTE Confidence: 0.85935754

01:31:54.373 --> 01:31:57.185 Cancer genetic counselors have

NOTE Confidence: 0.85935754

01:31:57.185 --> 01:32:01.020 patients that they'll see with a.

NOTE Confidence: 0.85935754

01:32:01.020 --> 01:32:03.438 Personal or family history of cancer.

NOTE Confidence: 0.85935754

01:32:03.440 --> 01:32:05.460 We see pretty much everything

NOTE Confidence: 0.85935754

01:32:05.460 --> 01:32:07.076 else outside of that,

NOTE Confidence: 0.85935754

01:32:07.080 --> 01:32:09.504 so we don't necessarily specialize in

NOTE Confidence: 0.85935754

01:32:09.504 --> 01:32:12.738 a disease area or a group of diseases.

NOTE Confidence: 0.85935754

01:32:12.740 --> 01:32:16.030 We see patients from birth until the oldest

NOTE Confidence: 0.85935754

01:32:16.030 --> 01:32:19.198 patient I've ever seen was 85 years old.

NOTE Confidence: 0.85935754

01:32:19.200 --> 01:32:21.220 So we see, you know,

NOTE Confidence: 0.85935754

01:32:21.220 --> 01:32:23.056 throughout the lifespan,

NOTE Confidence: 0.85935754

01:32:23.056 --> 01:32:24.280 for sure.

NOTE Confidence: 0.85935754

01:32:24.280 --> 01:32:26.620 General genetics can sometimes be broken

NOTE Confidence: 0.85935754

01:32:26.620 --> 01:32:28.960 up into pediatric and adult genetics,

NOTE Confidence: 0.85935754

01:32:28.960 --> 01:32:30.910 depending on the health care

NOTE Confidence: 0.85935754

01:32:30.910 --> 01:32:33.250 system and how it's broken down.

NOTE Confidence: 0.85935754

01:32:33.250 --> 01:32:36.246 We here at Yale we we just

NOTE Confidence: 0.85935754

01:32:36.246 --> 01:32:38.450 works called General Genetics.

NOTE Confidence: 0.85935754

01:32:38.450 --> 01:32:40.775 One thing I really like about

NOTE Confidence: 0.85935754

01:32:40.775 --> 01:32:42.317 general clinical genetics is

NOTE Confidence: 0.85935754

01:32:42.317 --> 01:32:45.030 we were the folks that kind of

NOTE Confidence: 0.85935754

01:32:45.030 --> 01:32:46.952 manage the ultra rare diseases.

NOTE Confidence: 0.85935754

01:32:46.952 --> 01:32:50.092 So the cases where there are 15 reported

NOTE Confidence: 0.85935754

01:32:50.092 --> 01:32:53.156 cases in the literature or what have you.

NOTE Confidence: 0.85935754

01:32:53.160 --> 01:32:55.560 So we have the opportunity

NOTE Confidence: 0.85935754

01:32:55.560 --> 01:32:57.480 to serve those patients.

NOTE Confidence: 0.85935754

01:32:57.480 --> 01:33:00.562 And the goal for us is we're really

NOTE Confidence: 0.85935754

01:33:00.562 --> 01:33:02.840 trying to answer this question.

NOTE Confidence: 0.85935754

01:33:02.840 --> 01:33:03.684 Here is.

NOTE Confidence: 0.85935754

01:33:03.684 --> 01:33:06.216 Is there an underlying or a

NOTE Confidence: 0.85935754

01:33:06.216 --> 01:33:08.190 unifying diagnosis for a person's

NOTE Confidence: 0.85935754

01:33:08.190 --> 01:33:09.634 medical or family history?

NOTE Confidence: 0.85935754

01:33:09.634 --> 01:33:12.353 So I kind of have that emphasized

NOTE Confidence: 0.85935754

01:33:12.353 --> 01:33:15.197 down here in this little pedigree.

NOTE Confidence: 0.85935754

01:33:15.200 --> 01:33:19.316 So this was a patient who had two, you know,

NOTE Confidence: 0.85935754

01:33:19.316 --> 01:33:20.960 seemingly unrelated medical issues,

NOTE Confidence: 0.85935754

01:33:20.960 --> 01:33:23.020 low calcium in her blood,

NOTE Confidence: 0.85935754

01:33:23.020 --> 01:33:25.896 and a congenital heart defect with a

NOTE Confidence: 0.85935754

01:33:25.896 --> 01:33:29.064 father that had a history of a cleft

NOTE Confidence: 0.85935754

01:33:29.064 --> 01:33:32.536 pallet so they don't really seem related.

NOTE Confidence: 0.85935754

01:33:32.540 --> 01:33:34.404 From a medical standpoint,

NOTE Confidence: 0.85935754

01:33:34.404 --> 01:33:36.734 but there's actually a pretty

NOTE Confidence: 0.85935754

01:33:36.734 --> 01:33:39.265 common genetic condition that you

NOTE Confidence: 0.85935754

01:33:39.265 --> 01:33:41.249 know that's almost pathognomonic

NOTE Confidence: 0.85935754

01:33:41.249 --> 01:33:43.429 for for that condition.

NOTE Confidence: 0.85935754

01:33:43.430 --> 01:33:44.730 So we see

NOTE Confidence: 0.8635221

01:33:44.730 --> 01:33:47.316 like I said, we see a

NOTE Confidence: 0.8635221

01:33:47.316 --> 01:33:49.044 lot of different things.

NOTE Confidence: 0.8635221

01:33:49.050 --> 01:33:51.850 One of the some of the more common

NOTE Confidence: 0.8635221

01:33:51.850 --> 01:33:54.250 referrals will see are folks who

NOTE Confidence: 0.8635221

01:33:54.250 --> 01:33:56.692 aren't little kiddos who aren't meeting

NOTE Confidence: 0.8635221

01:33:56.765 --> 01:33:58.979 their developmental milestones.

NOTE Confidence: 0.8635221

01:33:58.980 --> 01:34:01.572 Folks that have a diagnosis of

NOTE Confidence: 0.8635221

01:34:01.572 --> 01:34:03.300 autism or intellectual disability.

NOTE Confidence: 0.8635221

01:34:03.300 --> 01:34:06.390 Children who have congenital anomalies

NOTE Confidence: 0.8635221

01:34:06.390 --> 01:34:08.862 or congenital structural differences.

NOTE Confidence: 0.8635221

01:34:08.870 --> 01:34:11.354 Folks that have inborn errors of

NOTE Confidence: 0.8635221

01:34:11.354 --> 01:34:14.137 metabolism are not really going to get

NOTE Confidence: 0.8635221

01:34:14.137 --> 01:34:16.587 into the meat and potatoes of today,

NOTE Confidence: 0.8635221

01:34:16.590 --> 01:34:18.882 but those folks have a hard

NOTE Confidence: 0.8635221

01:34:18.882 --> 01:34:20.840 time breaking down certain fats,

NOTE Confidence: 0.8635221

01:34:20.840 --> 01:34:23.648 proteins, or carbohydrates.

NOTE Confidence: 0.8635221

01:34:23.650 --> 01:34:25.250 And also many control disorders.

NOTE Confidence: 0.8635221

01:34:25.250 --> 01:34:27.158 Mitochondria, the powerhouse of the cell.

NOTE Confidence: 0.8635221

01:34:27.160 --> 01:34:29.840 As we all know.

NOTE Confidence: 0.8635221

01:34:29.840 --> 01:34:31.644 There are specific management condition

NOTE Confidence: 0.8635221

01:34:31.644 --> 01:34:33.529 management options for for those

NOTE Confidence: 0.8635221

01:34:33.529 --> 01:34:35.699 patients that we follow and then

NOTE Confidence: 0.8635221

01:34:35.699 --> 01:34:37.011 also connective tissue disorders

NOTE Confidence: 0.8635221

01:34:37.011 --> 01:34:38.969 that are put out talked about.

NOTE Confidence: 0.8635221

01:34:38.970 --> 01:34:41.958 Just a minute ago.

NOTE Confidence: 0.8635221

01:34:41.960 --> 01:34:45.137 So I'm just going to talk to you a

NOTE Confidence: 0.8635221

01:34:45.137 --> 01:34:47.757 little bit about the nuts and bolts

NOTE Confidence: 0.8635221

01:34:47.757 --> 01:34:51.107 of what we do on a daily ish basis.

NOTE Confidence: 0.8635221

01:34:51.110 --> 01:34:53.670 So I have three half day clinics where

NOTE Confidence: 0.8635221

01:34:53.670 --> 01:34:56.649 I will see patients for a variety of

NOTE Confidence: 0.8635221

01:34:56.649 --> 01:34:59.160 indications that I just talked about.

NOTE Confidence: 0.8635221

01:34:59.160 --> 01:35:02.157 I see them with a Jeanette Assist and I

NOTE Confidence: 0.8635221

01:35:02.157 --> 01:35:05.380 think it may have talked about this briefly,

NOTE Confidence: 0.8635221

01:35:05.380 --> 01:35:07.564 but sometimes you know genetic counselors

NOTE Confidence: 0.8635221

01:35:07.564 --> 01:35:09.827 work with physician who has either

NOTE Confidence: 0.8635221

01:35:09.827 --> 01:35:12.053 specialized training in a special disease.

NOTE Confidence: 0.8635221

01:35:12.060 --> 01:35:14.320 Area.

NOTE Confidence: 0.8635221

01:35:14.320 --> 01:35:18.088 For her cardiology for us we

NOTE Confidence: 0.8635221

01:35:18.088 --> 01:35:19.972 work with geneticists.

NOTE Confidence: 0.8635221

01:35:19.980 --> 01:35:22.015 We see probably an average

NOTE Confidence: 0.8635221

01:35:22.015 --> 01:35:24.050 of 20 patients a week,

NOTE Confidence: 0.8635221

01:35:24.050 --> 01:35:26.486 so it's a pretty good volume.

NOTE Confidence: 0.8635221

01:35:26.490 --> 01:35:28.525 We also have the opportunity

NOTE Confidence: 0.8635221

01:35:28.525 --> 01:35:30.153 to do inpatient consultations,

NOTE Confidence: 0.8635221

01:35:30.160 --> 01:35:33.427 so if there is a baby that's born with

NOTE Confidence: 0.8635221

01:35:33.427 --> 01:35:35.272 congenital structural differences and

NOTE Confidence: 0.8635221

01:35:35.272 --> 01:35:38.541 the team in the inpatient unit wants

NOTE Confidence: 0.8635221

01:35:38.620 --> 01:35:41.959 to start working them up for a genetic cause,

NOTE Confidence: 0.8635221

01:35:41.960 --> 01:35:45.326 we'll go and do a consultation

NOTE Confidence: 0.8635221

01:35:45.326 --> 01:35:47.570 for them for that.

NOTE Confidence: 0.8635221

01:35:47.570 --> 01:35:50.132 And what's really nice is that in

NOTE Confidence: 0.8635221

01:35:50.132 --> 01:35:52.697 general genetics we have a bunch

NOTE Confidence: 0.8635221

01:35:52.697 --> 01:35:55.012 of different types of healthcare

NOTE Confidence: 0.8635221

01:35:55.012 --> 01:35:56.570 professionals working with us,

NOTE Confidence: 0.8635221

01:35:56.570 --> 01:35:58.610 so not only genetic counselors

NOTE Confidence: 0.8635221

01:35:58.610 --> 01:35:59.426 and geneticists,

NOTE Confidence: 0.8635221

01:35:59.430 --> 01:36:01.990 but nurses dieticians like I sent

NOTE Confidence: 0.8635221

01:36:01.990 --> 01:36:03.830 for those metabolic conditions

NOTE Confidence: 0.8635221

01:36:03.830 --> 01:36:06.454 where there might be certain

NOTE Confidence: 0.8635221

01:36:06.454 --> 01:36:08.539 dietary management options.

NOTE Confidence: 0.8635221

01:36:08.540 --> 01:36:11.090 We also have social workers that

NOTE Confidence: 0.8635221

01:36:11.090 --> 01:36:13.794 work with us really closely and

NOTE Confidence: 0.8635221

01:36:13.794 --> 01:36:16.050 doctors in other specialties that

NOTE Confidence: 0.8635221

01:36:16.050 --> 01:36:19.144 we work with pretty closely as well.

NOTE Confidence: 0.8635221

01:36:19.150 --> 01:36:21.965 We also work with researchers

NOTE Confidence: 0.8635221

01:36:21.965 --> 01:36:25.410 genetics here at Yale we have.

NOTE Confidence: 0.8635221

01:36:25.410 --> 01:36:26.376 Researchers you know,

NOTE Confidence: 0.8635221

01:36:26.376 --> 01:36:27.986 kind of at our disposal,

NOTE Confidence: 0.8635221

01:36:27.990 --> 01:36:31.198 which is really nice too to get patients

NOTE Confidence: 0.8635221

01:36:31.198 --> 01:36:33.778 involved in research if they like.

NOTE Confidence: 0.8635221

01:36:33.780 --> 01:36:35.916 Some of the other admin stuff

NOTE Confidence: 0.8635221

01:36:35.916 --> 01:36:38.582 that we do when we're not seeing

NOTE Confidence: 0.8635221

01:36:38.582 --> 01:36:41.291 patients like Julie said we do a

NOTE Confidence: 0.8635221

01:36:41.378 --> 01:36:43.989 lot of pre charting in case prep.

NOTE Confidence: 0.8635221

01:36:43.990 --> 01:36:46.228 We work on genetic testing efforts

NOTE Confidence: 0.8635221

01:36:46.228 --> 01:36:49.353 so it's a little bit harder to get

NOTE Confidence: 0.8635221

01:36:49.353 --> 01:36:51.293 genetic testing covered for some

NOTE Confidence: 0.8635221

01:36:51.293 --> 01:36:53.810 of the rare things that we see,

NOTE Confidence: 0.8635221

01:36:53.810 --> 01:36:55.322 I think insurance companies

NOTE Confidence: 0.8635221

01:36:55.322 --> 01:36:56.834 are slowly coming around.

NOTE Confidence: 0.8635221

01:36:56.840 --> 01:36:59.304 It's not as clear cut sometimes as you

NOTE Confidence: 0.8635221

01:36:59.304 --> 01:37:01.474 know how particular medical management

NOTE Confidence: 0.8635221

01:37:01.474 --> 01:37:04.444 would change for a particular patient.

NOTE Confidence: 0.8635221

01:37:04.450 --> 01:37:05.150 And so,

NOTE Confidence: 0.8635221

01:37:05.150 --> 01:37:06.200 like I said,

NOTE Confidence: 0.8635221

01:37:06.200 --> 01:37:07.600 insurance authorizations are a

NOTE Confidence: 0.8635221

01:37:07.600 --> 01:37:09.350 part of that as well,

NOTE Confidence: 0.8635221

01:37:09.350 --> 01:37:11.100 and because of our results,

NOTE Confidence: 0.8635221

01:37:11.100 --> 01:37:12.850 sometimes they're little in depth,

NOTE Confidence: 0.8635221

01:37:12.850 --> 01:37:14.600 and because we see so

NOTE Confidence: 0.8567367

01:37:14.600 --> 01:37:16.280 many different types of things,

NOTE Confidence: 0.8567367

01:37:16.280 --> 01:37:18.485 it usually takes us some legwork to

NOTE Confidence: 0.8567367

01:37:18.485 --> 01:37:20.866 be informed and to be knowledgeable

NOTE Confidence: 0.8567367

01:37:20.866 --> 01:37:22.861 enough on a particular result

NOTE Confidence: 0.8567367

01:37:22.929 --> 01:37:24.861 before calling out a result or

NOTE Confidence: 0.8567367

01:37:24.861 --> 01:37:26.631 following up with a patient.

NOTE Confidence: 0.8567367

01:37:26.631 --> 01:37:29.998 So we do a lot of digging

NOTE Confidence: 0.8567367

01:37:29.998 --> 01:37:32.099 medical research on our end.

NOTE Confidence: 0.8567367

01:37:32.100 --> 01:37:35.400 Before communicating with the patient.

NOTE Confidence: 0.8567367

01:37:35.400 --> 01:37:38.102 So I'm going to talk real quick

NOTE Confidence: 0.8567367

01:37:38.102 --> 01:37:40.907 about a patient that we saw I saw

NOTE Confidence: 0.8567367

01:37:40.907 --> 01:37:43.540 with a Doctor Who is an OBGYN and

NOTE Confidence: 0.8672571

01:37:43.540 --> 01:37:46.840 a genetic test. Xi'an, I

NOTE Confidence: 0.8201578

01:37:46.840 --> 01:37:47.971 saw this patient.

NOTE Confidence: 0.8201578

01:37:47.971 --> 01:37:50.610 She is an 8 year old female.

NOTE Confidence: 0.8201578

01:37:50.610 --> 01:37:52.885 She had come to us because she

NOTE Confidence: 0.8201578

01:37:52.885 --> 01:37:54.700 wasn't growing the right way

NOTE Confidence: 0.8201578

01:37:54.700 --> 01:37:57.010 or growing the way that her

NOTE Confidence: 0.8201578

01:37:57.010 --> 01:37:58.910 pediatrician thought was appropriate.

NOTE Confidence: 0.8201578

01:37:58.910 --> 01:38:00.525 Upon taking some history we

NOTE Confidence: 0.8201578

01:38:00.525 --> 01:38:02.680 learn that she has some mild

NOTE Confidence: 0.8201578

01:38:02.680 --> 01:38:04.556 learning difficulties in school.

NOTE Confidence: 0.8201578

01:38:04.560 --> 01:38:07.904 I didn't throw in a pedigree here but

NOTE Confidence: 0.8201578

01:38:07.904 --> 01:38:10.252 there wasn't any significant family

NOTE Confidence: 0.8201578

01:38:10.252 --> 01:38:13.584 history for us to be cognizant of.

NOTE Confidence: 0.8201578

01:38:13.590 --> 01:38:16.131 And the two tests that we ordered

NOTE Confidence: 0.8201578

01:38:16.131 --> 01:38:17.792 are called chromosome analysis

NOTE Confidence: 0.8201578

01:38:17.792 --> 01:38:19.800 and a chromosomal microarray,

NOTE Confidence: 0.8201578

01:38:19.800 --> 01:38:22.680 both of which are really addressing

NOTE Confidence: 0.8201578

01:38:22.680 --> 01:38:26.702 the question of does a person have the

NOTE Confidence: 0.8201578

01:38:26.702 --> 01:38:29.222 correct amount of genetic material?

NOTE Confidence: 0.8201578

01:38:29.230 --> 01:38:32.408 So I'm going to throw up our poll.

NOTE Confidence: 0.8201578

01:38:32.410 --> 01:38:33.592 So I'm wondering,

NOTE Confidence: 0.8201578

01:38:33.592 --> 01:38:37.280 and it's OK if you guys don't know this.

NOTE Confidence: 0.8201578

01:38:37.280 --> 01:38:38.090 No pressure,

NOTE Confidence: 0.8201578

01:38:38.090 --> 01:38:40.925 but does anybody know the most common

NOTE Confidence: 0.8201578

01:38:40.925 --> 01:38:43.780 genetic cause of short stature in females?

NOTE Confidence: 0.6359952

01:38:52.210 --> 01:38:54.418 We'll just let that go.

NOTE Confidence: 0.82168144

01:38:57.750 --> 01:38:59.647 I keep feeling bad 'cause I know

NOTE Confidence: 0.82168144

01:38:59.647 --> 01:39:01.419 I'm cutting people off who might

NOTE Confidence: 0.82168144

01:39:01.419 --> 01:39:02.914 be seriously thinking about it,

NOTE Confidence: 0.82168144

01:39:02.920 --> 01:39:04.636 but I'll stop in five seconds.

NOTE Confidence: 0.9325584

01:39:08.030 --> 01:39:09.059 OK, I'm sorry.

NOTE Confidence: 0.81679416

01:39:12.210 --> 01:39:15.098 OK, what do we have?

NOTE Confidence: 0.7857974

01:39:15.100 --> 01:39:16.726 Turner syndrome is correct.

NOTE Confidence: 0.7857974

01:39:16.726 --> 01:39:17.478 Alright, yeah.

NOTE Confidence: 0.7857974

01:39:17.478 --> 01:39:20.110 So I'm going to be talking a

NOTE Confidence: 0.7857974

01:39:20.183 --> 01:39:22.568 little bit about Turner syndrome.

NOTE Confidence: 0.7857974

01:39:22.570 --> 01:39:25.014 Those other conditions do

NOTE Confidence: 0.7857974

01:39:25.014 --> 01:39:27.458 have short staffed shahraz.

NOTE Confidence: 0.7857974

01:39:27.460 --> 01:39:29.228 A clinical features well,

NOTE Confidence: 0.7857974

01:39:29.228 --> 01:39:31.880 but Turner syndrome is by far

NOTE Confidence: 0.7857974

01:39:31.962 --> 01:39:34.545 the more the most common and this

NOTE Confidence: 0.7857974

01:39:34.545 --> 01:39:37.868 is a picture of not our patients

NOTE Confidence: 0.7857974

01:39:37.868 --> 01:39:39.996 karyotype or chromosome analysis,

NOTE Confidence: 0.7857974

01:39:40.000 --> 01:39:43.136 but as an example of one for

NOTE Confidence: 0.7857974

01:39:43.136 --> 01:39:44.480 classical Turner syndrome,

NOTE Confidence: 0.7857974

01:39:44.480 --> 01:39:48.260 folks are supposed to have 46 chromosomes

NOTE Confidence: 0.7857974

01:39:48.260 --> 01:39:51.420 and four classical Turner syndrome.

NOTE Confidence: 0.7857974

01:39:51.420 --> 01:39:53.736 I only have One X chromosome.

NOTE Confidence: 0.880551

01:39:56.360 --> 01:39:58.502 It occurs in approximately 1 in

NOTE Confidence: 0.880551

01:39:58.502 --> 01:40:00.654 2000 live births, so with this

NOTE Confidence: 0.880551

01:40:00.654 --> 01:40:03.160 test result we're able to say yes.

NOTE Confidence: 0.880551

01:40:03.160 --> 01:40:06.373 We answer the question of why this

NOTE Confidence: 0.880551

01:40:06.373 --> 01:40:08.978 patient isn't growing the right way.

NOTE Confidence: 0.880551

01:40:08.980 --> 01:40:10.882 You know there are other features

NOTE Confidence: 0.880551

01:40:10.882 --> 01:40:12.531 that are associated with Turner

NOTE Confidence: 0.880551

01:40:12.531 --> 01:40:14.126 syndrome that I listed here.

NOTE Confidence: 0.880551

01:40:14.130 --> 01:40:15.740 Things like congenital heart defects,

NOTE Confidence: 0.880551

01:40:15.740 --> 01:40:17.084 congenital renal anomalies,

NOTE Confidence: 0.880551

01:40:17.084 --> 01:40:20.820 or how the heart and kidneys are shaped.

NOTE Confidence: 0.880551

01:40:20.820 --> 01:40:23.856 There are some increased risks of

NOTE Confidence: 0.880551

01:40:23.856 --> 01:40:25.880 particular conditions like diabetes,

NOTE Confidence: 0.880551

01:40:25.880 --> 01:40:26.836 thyroid problems,

NOTE Confidence: 0.880551

01:40:26.836 --> 01:40:29.226 the most striking thing that

NOTE Confidence: 0.880551

01:40:29.226 --> 01:40:31.950 comes along with Turner syndrome.

NOTE Confidence: 0.880551

01:40:31.950 --> 01:40:35.998 When we I diagnosis in a young girl

NOTE Confidence: 0.880551

01:40:35.998 --> 01:40:38.958 is typically they have streak ovaries

NOTE Confidence: 0.880551

01:40:38.958 --> 01:40:42.710 which is just a fancy way of saying

NOTE Confidence: 0.880551

01:40:42.807 --> 01:40:45.643 very underdeveloped ovaries and

NOTE Confidence: 0.880551

01:40:45.643 --> 01:40:49.188 they result in diminished fertility.

NOTE Confidence: 0.880551

01:40:49.190 --> 01:40:51.213 So you know we had the opportunity

NOTE Confidence: 0.880551

01:40:51.213 --> 01:40:53.387 to kind of disclose this result

NOTE Confidence: 0.880551

01:40:53.387 --> 01:40:55.859 and we see Turner syndrome pretty

NOTE Confidence: 0.880551

01:40:55.859 --> 01:40:56.980 regularly in clinic,

NOTE Confidence: 0.880551

01:40:56.980 --> 01:40:59.804 so we were able to kind of say,

NOTE Confidence: 0.880551

01:40:59.810 --> 01:41:01.880 OK, we have an understanding for

NOTE Confidence: 0.880551

01:41:01.880 --> 01:41:03.688 why this patient isn't growing

NOTE Confidence: 0.880551

01:41:03.688 --> 01:41:05.468 the way we were expecting,

NOTE Confidence: 0.880551

01:41:05.470 --> 01:41:08.914 but we also now have these other

NOTE Confidence: 0.880551

01:41:08.914 --> 01:41:11.768 medical things to follow up on.

NOTE Confidence: 0.880551

01:41:11.770 --> 01:41:14.045 And that's kind of where you know

NOTE Confidence: 0.880551

01:41:14.045 --> 01:41:15.428 genetic counseling and genetic

NOTE Confidence: 0.880551

01:41:15.428 --> 01:41:17.516 counselor in conjunction with a lot

NOTE Confidence: 0.880551

01:41:17.516 --> 01:41:19.798 of other medical providers is really

NOTE Confidence: 0.880551

01:41:19.798 --> 01:41:22.654 helpful so you know what I as a

NOTE Confidence: 0.880551

01:41:22.654 --> 01:41:25.180 genetic counselor will do is when I

NOTE Confidence: 0.880551

01:41:25.180 --> 01:41:27.567 see the patient for a first time,

NOTE Confidence: 0.880551

01:41:27.570 --> 01:41:29.898 one of the first things I want to

NOTE Confidence: 0.880551

01:41:29.898 --> 01:41:32.598 do is figure out you know what

NOTE Confidence: 0.880551

01:41:32.598 --> 01:41:34.226 their concerns are like.

NOTE Confidence: 0.880551

01:41:34.230 --> 01:41:35.166 Julie said,

NOTE Confidence: 0.880551

01:41:35.166 --> 01:41:37.974 creating and establishing that repor with

NOTE Confidence: 0.880551

01:41:37.974 --> 01:41:40.079 them understanding of you know what?

NOTE Confidence: 0.880551

01:41:40.080 --> 01:41:43.356 Brings them to see us with their

NOTE Confidence: 0.880551

01:41:43.356 --> 01:41:45.831 interests are collecting all of

NOTE Confidence: 0.880551

01:41:45.831 --> 01:41:47.310 that important history.

NOTE Confidence: 0.880551

01:41:47.310 --> 01:41:49.958 Discussing the risks, benefits,

NOTE Confidence: 0.880551

01:41:49.958 --> 01:41:53.268 and limitations of genetic testing.

NOTE Confidence: 0.880551

01:41:53.270 --> 01:41:56.450 How we return these genetic results

NOTE Confidence: 0.880551

01:41:56.450 --> 01:41:59.771 is usually something that I will

NOTE Confidence: 0.880551

01:41:59.771 --> 01:42:01.439 do usually independently.

NOTE Confidence: 0.880551

01:42:01.440 --> 01:42:03.666 And in that for Turner Syndrome

NOTE Confidence: 0.880551

01:42:03.666 --> 01:42:04.408 in particular,

NOTE Confidence: 0.880551

01:42:04.410 --> 01:42:07.518 there are really good medical management

NOTE Confidence: 0.880551

01:42:07.518 --> 01:42:11.068 guidelines that we can kind of defer to.

NOTE Confidence: 0.880551

01:42:11.070 --> 01:42:13.590 Discussing things like inheritance

NOTE Confidence: 0.880551

01:42:13.590 --> 01:42:17.370 and recurrence risk for the family

NOTE Confidence: 0.880551

01:42:17.463 --> 01:42:19.287 and for our patient.

NOTE Confidence: 0.880551

01:42:19.290 --> 01:42:20.850 And that's you know,

NOTE Confidence: 0.880551

01:42:20.850 --> 01:42:23.190 a pretty challenging type of dynamic,

NOTE Confidence: 0.880551

01:42:23.190 --> 01:42:25.398 especially in clinical genetics

NOTE Confidence: 0.880551

01:42:25.398 --> 01:42:27.606 that might not be.

NOTE Confidence: 0.880551

01:42:27.610 --> 01:42:29.738 There's a little bit of a nuance

NOTE Confidence: 0.880551

01:42:29.738 --> 01:42:32.373 and how to do some counseling for

NOTE Confidence: 0.880551

01:42:32.373 --> 01:42:34.839 adolescents and children who are of

NOTE Confidence: 0.880551

01:42:34.912 --> 01:42:37.586 the age of being able to understand

NOTE Confidence: 0.880551

01:42:37.586 --> 01:42:39.853 what we're talking about and how

NOTE Confidence: 0.880551

01:42:39.853 --> 01:42:41.337 to manage those conversations.

NOTE Confidence: 0.8761172

01:42:43.450 --> 01:42:45.788 And for our for this particular case,

NOTE Confidence: 0.8761172

01:42:45.790 --> 01:42:48.498 we have a great multi disciplinary clinic

NOTE Confidence: 0.8761172

01:42:48.498 --> 01:42:52.250 that we were able to refer the patient to.

NOTE Confidence: 0.8761172

01:42:52.250 --> 01:42:56.450 Where we would continue to manage them.

NOTE Confidence: 0.8761172

01:42:56.450 --> 01:42:57.422 Times clinical genetics.

NOTE Confidence: 0.8761172

01:42:57.422 --> 01:43:00.656 We kind of think of as a primary care

NOTE Confidence: 0.8761172

01:43:00.656 --> 01:43:03.338 Center for folks with genetic conditions,

NOTE Confidence: 0.8761172

01:43:03.340 --> 01:43:06.409 so we make sure that patients are following

NOTE Confidence: 0.8761172

01:43:06.409 --> 01:43:09.090 up with the endocrine doctor or cardiologist,

NOTE Confidence: 0.8761172

01:43:09.090 --> 01:43:11.938 or getting all of the image in that

NOTE Confidence: 0.8761172

01:43:11.938 --> 01:43:14.832 needs to happen, or what have you

NOTE Confidence: 0.8761172

01:43:14.832 --> 01:43:16.747 for a particular genetic condition.

NOTE Confidence: 0.8761172

01:43:16.750 --> 01:43:19.366 And one thing that we really focus on

NOTE Confidence: 0.8761172

01:43:19.366 --> 01:43:22.145 two is how to communicate that diagnosis

NOTE Confidence: 0.8761172

01:43:22.145 --> 01:43:26.548 with all of the right people. How are we?

NOTE Confidence: 0.8761172

01:43:26.548 --> 01:43:29.225 You know, for pediatric patients,

NOTE Confidence: 0.8761172

01:43:29.225 --> 01:43:32.235 is there a necessity to disclose

NOTE Confidence: 0.8761172

01:43:32.235 --> 01:43:34.740 these results to a school?

NOTE Confidence: 0.8761172

01:43:34.740 --> 01:43:37.746 Because if it's going to impact

NOTE Confidence: 0.8761172

01:43:37.746 --> 01:43:39.249 their learned patience,

NOTE Confidence: 0.8761172

01:43:39.250 --> 01:43:42.094 learning or added justification to get

NOTE Confidence: 0.8761172

01:43:42.094 --> 01:43:45.260 extra services in the school setting,

NOTE Confidence: 0.8761172

01:43:45.260 --> 01:43:48.760 that's something that we regularly do then.

NOTE Confidence: 0.8761172

01:43:48.760 --> 01:43:51.574 Also, communicating these results to other

NOTE Confidence: 0.8761172

01:43:51.574 --> 01:43:54.780 family members and other medical providers,

NOTE Confidence: 0.8761172

01:43:54.780 --> 01:43:55.994 primary care,

NOTE Confidence: 0.8761172

01:43:55.994 --> 01:43:59.029 and pediatricians I've found have.

NOTE Confidence: 0.8761172

01:43:59.030 --> 01:44:02.612 I don't have as much of a breadth of

NOTE Confidence: 0.8761172

01:44:02.612 --> 01:44:04.977 understanding of genetic conditions and

NOTE Confidence: 0.8761172

01:44:04.977 --> 01:44:08.600 how they can manifest in children an adult,

NOTE Confidence: 0.8761172

01:44:08.600 --> 01:44:10.780 so that's something that will,

NOTE Confidence: 0.8761172

01:44:10.780 --> 01:44:12.265 often, you know,

NOTE Confidence: 0.8761172

01:44:12.265 --> 01:44:15.235 kind of explain to them through

NOTE Confidence: 0.8761172

01:44:15.235 --> 01:44:17.779 different types of documentation.

NOTE Confidence: 0.8761172

01:44:17.780 --> 01:44:20.405 So yeah, so that's all I have.

NOTE Confidence: 0.8761172

01:44:20.410 --> 01:44:23.035 I would be more than happy to.

NOTE Confidence: 0.8761172

01:44:23.040 --> 01:44:25.298 I don't think I'm running overtime.

NOTE Confidence: 0.8761172

01:44:25.300 --> 01:44:26.804 My genetic counselor counterpart,

NOTE Confidence: 0.8761172

01:44:26.804 --> 01:44:27.180 Emily.

NOTE Confidence: 0.8761172

01:44:27.180 --> 01:44:29.728 She's going to be answering some questions

NOTE Confidence: 0.8761172

01:44:29.728 --> 01:44:32.819 in the Q&A this afternoon on my behalf.

NOTE Confidence: 0.8761172

01:44:32.820 --> 01:44:35.828 I have to go over to the clinic,

NOTE Confidence: 0.8761172

01:44:35.830 --> 01:44:37.816 but if anyone is interested in

NOTE Confidence: 0.8761172

01:44:37.816 --> 01:44:39.960 reaching out to me personally,

NOTE Confidence: 0.8761172

01:44:39.960 --> 01:44:43.336 my email is there and would be more

NOTE Confidence: 0.8761172

01:44:43.336 --> 01:44:46.480 than happy to answer any questions.

NOTE Confidence: 0.8761172

01:44:46.480 --> 01:44:47.968 Thank you thanks

NOTE Confidence: 0.8040428

01:44:47.970 --> 01:44:49.449 him. One of

NOTE Confidence: 0.8040428

01:44:49.450 --> 01:44:53.160 my supervisors at my genetic

NOTE Confidence: 0.8040428

01:44:53.160 --> 01:44:53.905 counseling program used to

NOTE Confidence: 0.8040428

01:44:53.905 --> 01:44:55.390 call clinical genetics,

NOTE Confidence: 0.8040428

01:44:55.390 --> 01:44:57.375 boss level genetics and

NOTE Confidence: 0.8040428

01:44:57.375 --> 01:45:01.200 inflation reminded me why.

NOTE Confidence: 0.8040428

01:45:01.200 --> 01:45:03.030 Good, I'll hand it over to Anthony.

NOTE Confidence: 0.8040428

01:45:03.030 --> 01:45:03.550 Thanks again.

NOTE Confidence: 0.8340783

01:45:04.700 --> 01:45:05.699 Alright, so my

NOTE Confidence: 0.8340783

01:45:05.700 --> 01:45:07.088 name is Anthony Porto.

NOTE Confidence: 0.8340783

01:45:07.088 --> 01:45:09.546 I am aging that counselor here at

NOTE Confidence: 0.8340783

01:45:09.546 --> 01:45:11.667 the Yale DNA lab until giving you.

NOTE Confidence: 0.8340783

01:45:11.670 --> 01:45:14.326 I'll be giving him more of a perspective

NOTE Confidence: 0.8340783

01:45:14.326 --> 01:45:16.650 on a non patient caring genetic counselor

NOTE Confidence: 0.8340783

01:45:16.650 --> 01:45:20.445 and what that role is kind of like.

NOTE Confidence: 0.8340783

01:45:20.450 --> 01:45:22.620 So as a quick outline, I'll be giving

NOTE Confidence: 0.8340783

01:45:22.620 --> 01:45:23.970 a brief introduction to myself,

NOTE Confidence: 0.8340783

01:45:23.970 --> 01:45:26.140 going over kind of a day as a

NOTE Confidence: 0.8340783

01:45:26.140 --> 01:45:28.622 laboratory GC is like and then giving

NOTE Confidence: 0.8340783

01:45:28.622 --> 01:45:31.130 a quick case example for that.

NOTE Confidence: 0.8340783

01:45:31.130 --> 01:45:33.642 So I did my graduate studies in genetic

NOTE Confidence: 0.8340783

01:45:33.642 --> 01:45:35.759 counseling at Northwestern University.

NOTE Confidence: 0.8340783

01:45:35.760 --> 01:45:38.532 This position at Yale is my first

NOTE Confidence: 0.8340783

01:45:38.532 --> 01:45:40.521 into graduating as I graduated

NOTE Confidence: 0.8340783

01:45:40.521 --> 01:45:42.316 in the class of 2020.

NOTE Confidence: 0.8340783

01:45:42.320 --> 01:45:44.777 So my position here is primarily just

NOTE Confidence: 0.8340783

01:45:44.777 --> 01:45:47.771 to act as agent counselor for the lab

NOTE Confidence: 0.8340783

01:45:47.771 --> 01:45:50.552 and I'll get into more about what

NOTE Confidence: 0.8340783

01:45:50.552 --> 01:45:53.478 the specific details are that are as

NOTE Confidence: 0.8340783

01:45:53.478 --> 01:45:56.609 compared to a clinical GC as we go.

NOTE Confidence: 0.8340783

01:45:56.610 --> 01:45:59.458 And so my really main point on this

NOTE Confidence: 0.8340783

01:45:59.458 --> 01:46:02.472 that I wanna talk about is just.

NOTE Confidence: 0.8340783

01:46:02.472 --> 01:46:04.955 What are the responsibilities as well

NOTE Confidence: 0.8340783

01:46:04.955 --> 01:46:07.852 as the utility of having a genetic

NOTE Confidence: 0.8340783

01:46:07.852 --> 01:46:10.144 counselor in the lab to coordinate

NOTE Confidence: 0.8340783

01:46:10.144 --> 01:46:13.010 with the clinical genetic counselors?

NOTE Confidence: 0.8340783

01:46:13.010 --> 01:46:14.606 Before we get started all about,

NOTE Confidence: 0.8340783

01:46:14.610 --> 01:46:14.883 though,

NOTE Confidence: 0.8340783

01:46:14.883 --> 01:46:17.067 I want to hear what you think are

NOTE Confidence: 0.8340783

01:46:17.067 --> 01:46:19.150 possible duties that a lab GC could have,

NOTE Confidence: 0.8340783

01:46:19.150 --> 01:46:21.182 so will give you a quick poll to

NOTE Confidence: 0.8340783

01:46:21.182 --> 01:46:22.620 see what you all think.

NOTE Confidence: 0.88832855

01:46:28.210 --> 01:46:30.156 Oh, and you can select multiple choices.

NOTE Confidence: 0.88832855

01:46:30.160 --> 01:46:31.648 You don't just have to pick

NOTE Confidence: 0.88832855

01:46:31.648 --> 01:46:33.210 one for the best question.

NOTE Confidence: 0.8682204

01:46:35.840 --> 01:46:36.868 This one involves a

NOTE Confidence: 0.8682204

01:46:36.870 --> 01:46:40.580 little more reading, so maybe I'll go.

NOTE Confidence: 0.86078584

01:46:40.580 --> 01:46:42.540 Sorry, I made a long question.

NOTE Confidence: 0.64873785

01:47:01.060 --> 01:47:04.120 We can say.

NOTE Confidence: 0.7871756

01:47:04.120 --> 01:47:06.190 Five more seconds.

NOTE Confidence: 0.92960346

01:47:13.730 --> 01:47:14.110 OK.

NOTE Confidence: 0.85156297

01:47:18.370 --> 01:47:22.276 So. Lot of answers for a lot of them,

NOTE Confidence: 0.85156297

01:47:22.280 --> 01:47:24.618 so I was kind of being tricky.

NOTE Confidence: 0.85156297

01:47:24.620 --> 01:47:26.616 The short answer is that all

NOTE Confidence: 0.85156297

01:47:26.616 --> 01:47:28.435 of these potentially can be a

NOTE Confidence: 0.85156297

01:47:28.435 --> 01:47:30.610 role of a lab genetic counselor.

NOTE Confidence: 0.85156297

01:47:30.610 --> 01:47:32.724 When I will call out is calling

NOTE Confidence: 0.85156297

01:47:32.724 --> 01:47:34.445 out patients isn't very common

NOTE Confidence: 0.85156297

01:47:34.445 --> 01:47:35.937 for labs that counselors.

NOTE Confidence: 0.85156297

01:47:35.940 --> 01:47:38.264 That's mostly left to the clinical team.

NOTE Confidence: 0.85156297

01:47:38.270 --> 01:47:40.622 However, there are some labs that are

NOTE Confidence: 0.85156297

01:47:40.622 --> 01:47:42.598 starting to expand into that role,

NOTE Confidence: 0.85156297

01:47:42.600 --> 01:47:44.980 so want to point out that that

NOTE Confidence: 0.85156297

01:47:44.980 --> 01:47:47.026 was a possibility for people that

NOTE Confidence: 0.85156297

01:47:47.026 --> 01:47:49.252 you could all be aware of it.

NOTE Confidence: 0.86107075

01:47:53.770 --> 01:47:56.605 So as a day in my position,

NOTE Confidence: 0.86107075

01:47:56.610 --> 01:47:58.150 specifically here at Yale,

NOTE Confidence: 0.86107075

01:47:58.150 --> 01:48:01.060 I don't have any direct patient contact.

NOTE Confidence: 0.86107075

01:48:01.060 --> 01:48:03.514 My role is specifically to facilitate

NOTE Confidence: 0.86107075

01:48:03.514 --> 01:48:05.889 with the clinical GCS what the

NOTE Confidence: 0.86107075

01:48:05.889 --> 01:48:08.553 laboratory can do and help them in that

NOTE Confidence: 0.86107075

01:48:08.623 --> 01:48:11.188 which involves helping with ordering,

NOTE Confidence: 0.86107075

01:48:11.190 --> 01:48:13.315 testing, helping with getting insurance

NOTE Confidence: 0.86107075

01:48:13.315 --> 01:48:15.859 coverage and just making sure that

NOTE Confidence: 0.86107075

01:48:15.859 --> 01:48:17.644 the overall process of getting

NOTE Confidence: 0.86107075

01:48:17.644 --> 01:48:19.690 that testing done goes smoothly.

NOTE Confidence: 0.86107075

01:48:19.690 --> 01:48:22.180 So I would say I have.

NOTE Confidence: 0.86107075

01:48:22.180 --> 01:48:23.227 Three main responsibilities

NOTE Confidence: 0.86107075

01:48:23.227 --> 01:48:25.670 that I do in my day today.

NOTE Confidence: 0.86107075

01:48:25.670 --> 01:48:27.620 The first is helping the insurance

NOTE Confidence: 0.86107075

01:48:27.620 --> 01:48:29.360 team and working with the

NOTE Confidence: 0.86107075

01:48:29.360 --> 01:48:31.245 providers to get testing authorize.

NOTE Confidence: 0.86107075

01:48:31.250 --> 01:48:33.060 The second is coordinating with

NOTE Confidence: 0.86107075

01:48:33.060 --> 01:48:34.870 providers more generally UN testing

NOTE Confidence: 0.86107075

01:48:34.928 --> 01:48:37.436 and that can be on the type of

NOTE Confidence: 0.86107075

01:48:37.436 --> 01:48:40.330 testing or how to order it or however,

NOTE Confidence: 0.86107075

01:48:40.330 --> 01:48:42.458 and then the last thing is really

NOTE Confidence: 0.86107075

01:48:42.458 --> 01:48:44.286 working with the laboratory staff

NOTE Confidence: 0.86107075

01:48:44.286 --> 01:48:46.416 and sort of quality control

NOTE Confidence: 0.86107075

01:48:46.416 --> 01:48:48.364 continuing improvement of the lab

NOTE Confidence: 0.86107075

01:48:48.364 --> 01:48:50.492 and just making sure that the lab

NOTE Confidence: 0.86107075

01:48:50.492 --> 01:48:52.840 policies and procedures are moving

NOTE Confidence: 0.86107075

01:48:52.840 --> 01:48:54.880 as smoothly as possible.

NOTE Confidence: 0.86107075

01:48:54.880 --> 01:48:55.960 So not surprisingly,

NOTE Confidence: 0.86107075

01:48:55.960 --> 01:48:57.760 I don't work very independently.

NOTE Confidence: 0.86107075

01:48:57.760 --> 01:49:01.720 I'm a part of the team here at the DNA lab,

NOTE Confidence: 0.86107075

01:49:01.720 --> 01:49:04.960 so I work with a lot of people constantly,

NOTE Confidence: 0.86107075

01:49:04.960 --> 01:49:06.040 including the technicians

NOTE Confidence: 0.86107075

01:49:06.040 --> 01:49:07.840 who run the actual testing.

NOTE Confidence: 0.86107075

01:49:07.840 --> 01:49:09.862 The analysts who look over and

NOTE Confidence: 0.86107075

01:49:09.862 --> 01:49:12.159 then report out the genetic data.

NOTE Confidence: 0.86107075

01:49:12.160 --> 01:49:15.128 The director is here at the lab as

NOTE Confidence: 0.86107075

01:49:15.128 --> 01:49:18.505 well as the team who gets the insurance

NOTE Confidence: 0.86107075

01:49:18.505 --> 01:49:22.588 off and tries to get that testing approved.

NOTE Confidence: 0.86107075

01:49:22.590 --> 01:49:24.145 So we'll start with going

NOTE Confidence: 0.86107075

01:49:24.145 --> 01:49:25.700 over my first main thing,

NOTE Confidence: 0.86107075

01:49:25.700 --> 01:49:27.260 which is getting testing authorized.

NOTE Confidence: 0.86107075

01:49:27.260 --> 01:49:29.059 I think it's pretty safe for us

NOTE Confidence: 0.86107075

01:49:29.059 --> 01:49:31.008 all to agree that insurance can

NOTE Confidence: 0.86107075

01:49:31.008 --> 01:49:32.873 be difficult sometimes they they

NOTE Confidence: 0.86107075

01:49:32.873 --> 01:49:35.026 don't always want to pay for things,

NOTE Confidence: 0.86107075

01:49:35.030 --> 01:49:36.872 even if it's something that we

NOTE Confidence: 0.86107075

01:49:36.872 --> 01:49:38.760 feel like they should be paying.

NOTE Confidence: 0.86107075

01:49:38.760 --> 01:49:40.626 So as a response to that,

NOTE Confidence: 0.86107075

01:49:40.630 --> 01:49:42.925 my one of my main duties is to help

NOTE Confidence: 0.86107075

01:49:42.925 --> 01:49:45.453 in order to make sure that we can

NOTE Confidence: 0.86107075

01:49:45.453 --> 01:49:47.866 get that covered and the way that

NOTE Confidence: 0.86107075

01:49:47.866 --> 01:49:49.960 that works is that insurance covers

NOTE Confidence: 0.86107075

01:49:49.960 --> 01:49:51.946 things based on what are called.

NOTE Confidence: 0.86107075

01:49:51.950 --> 01:49:53.855 CPT code or current procedural

NOTE Confidence: 0.86107075

01:49:53.855 --> 01:49:54.617 terminology codes,

NOTE Confidence: 0.86107075

01:49:54.620 --> 01:49:57.383 and So what we do is we tailor our

NOTE Confidence: 0.86107075

01:49:57.383 --> 01:49:59.821 testing to use specific CPT codes

NOTE Confidence: 0.86107075

01:49:59.821 --> 01:50:01.871 that match both the insurances

NOTE Confidence: 0.86107075

01:50:01.947 --> 01:50:04.407 guidelines as well as what the

NOTE Confidence: 0.86107075

01:50:04.407 --> 01:50:06.858 provider is talking about in their

NOTE Confidence: 0.86107075

01:50:06.858 --> 01:50:09.282 notes in any documentation that we

NOTE Confidence: 0.86107075

01:50:09.282 --> 01:50:12.554 have as to why they think the testing

NOTE Confidence: 0.86107075

01:50:12.554 --> 01:50:15.201 is important and the reason we do

NOTE Confidence: 0.86107075

01:50:15.201 --> 01:50:17.860 this is that when we work in tandem

NOTE Confidence: 0.86107075

01:50:17.860 --> 01:50:20.140 like that with the clinical team,

NOTE Confidence: 0.86107075

01:50:20.140 --> 01:50:22.160 we found that we have.

NOTE Confidence: 0.86107075

01:50:22.160 --> 01:50:23.860 Better success at getting insurance

NOTE Confidence: 0.86107075

01:50:23.860 --> 01:50:25.560 to actually cover the testing.

NOTE Confidence: 0.86107075

01:50:25.560 --> 01:50:27.260 Sometimes it's not that straightforward

NOTE Confidence: 0.86107075

01:50:27.260 --> 01:50:29.980 though, and I'll still need to go out.

NOTE Confidence: 0.86107075

01:50:29.980 --> 01:50:30.871 Call the insurance.

NOTE Confidence: 0.86107075

01:50:30.871 --> 01:50:33.396 Say hey you guys are giving us a

NOTE Confidence: 0.86107075

01:50:33.396 --> 01:50:34.940 difficult time getting discovered

NOTE Confidence: 0.86107075

01:50:34.940 --> 01:50:36.098 what's going on?

NOTE Confidence: 0.86107075

01:50:36.100 --> 01:50:38.820 What can we do to work this out?

NOTE Confidence: 0.86107075

01:50:38.820 --> 01:50:40.788 And so that's another big part

NOTE Confidence: 0.86107075

01:50:40.788 --> 01:50:42.560 of what I do here.

NOTE Confidence: 0.86107075

01:50:42.560 --> 01:50:44.260 Lab and I also like.

NOTE Confidence: 0.86107075

01:50:44.260 --> 01:50:45.370 I mentioned earlier,

NOTE Confidence: 0.86107075

01:50:45.370 --> 01:50:47.590 talk with the providers about you

NOTE Confidence: 0.86107075

01:50:47.590 --> 01:50:50.039 know how to go about that CPT coding.

NOTE Confidence: 0.86107075

01:50:50.040 --> 01:50:52.700 What sort of genes were thinking of?

NOTE Confidence: 0.86107075

01:50:52.700 --> 01:50:53.885 Based on what their indication

NOTE Confidence: 0.86107075

01:50:53.885 --> 01:50:55.070 is and what they've said

NOTE Confidence: 0.831603

01:50:55.121 --> 01:50:55.640 in the note.

NOTE Confidence: 0.87586427

01:50:57.850 --> 01:50:59.512 So specifically working with providers,

NOTE Confidence: 0.87586427

01:50:59.512 --> 01:51:01.899 one of my main functions is really

NOTE Confidence: 0.87586427

01:51:01.899 --> 01:51:03.731 just acting as a liaison between

NOTE Confidence: 0.87586427

01:51:03.731 --> 01:51:05.720 them in the lab in general.

NOTE Confidence: 0.87586427

01:51:05.720 --> 01:51:07.980 So a lot of what I do is just sort

NOTE Confidence: 0.87586427

01:51:08.048 --> 01:51:09.943 of communicating with them through

NOTE Confidence: 0.87586427

01:51:09.943 --> 01:51:13.012 any way that they need help in any

NOTE Confidence: 0.87586427

01:51:13.012 --> 01:51:15.226 questions that they can have answered.

NOTE Confidence: 0.87586427

01:51:15.230 --> 01:51:17.614 So a good example of this is that

NOTE Confidence: 0.87586427

01:51:17.614 --> 01:51:20.320 I get a lot of emails from you all

NOTE Confidence: 0.87586427

01:51:20.320 --> 01:51:23.110 as GCS as well as other providers.

NOTE Confidence: 0.87586427

01:51:23.110 --> 01:51:24.750 Just asking you know, hey,

NOTE Confidence: 0.87586427

01:51:24.750 --> 01:51:26.390 I work at this testing.

NOTE Confidence: 0.87586427

01:51:26.390 --> 01:51:28.948 2 weeks ago, month ago, whenever it was.

NOTE Confidence: 0.87586427

01:51:28.948 --> 01:51:32.000 Can I get an update on what the product,

NOTE Confidence: 0.87586427

01:51:32.000 --> 01:51:33.866 the processes and still look into?

NOTE Confidence: 0.87586427

01:51:33.870 --> 01:51:35.420 OK, we got the sample.

NOTE Confidence: 0.87586427

01:51:35.420 --> 01:51:37.286 Have we gotten insurance coverage yet?

NOTE Confidence: 0.87586427

01:51:37.290 --> 01:51:39.446 If we've gotten insurance how we started

NOTE Confidence: 0.87586427

01:51:39.446 --> 01:51:41.019 the actual sequencing process yet,

NOTE Confidence: 0.87586427

01:51:41.020 --> 01:51:41.872 and if so,

NOTE Confidence: 0.87586427

01:51:41.872 --> 01:51:44.579 how long do I expect for that to be

NOTE Confidence: 0.87586427

01:51:44.579 --> 01:51:46.819 turned around and I'll try to give

NOTE Confidence: 0.87586427

01:51:46.819 --> 01:51:49.418 them an update on where that all is,

NOTE Confidence: 0.87586427

01:51:49.420 --> 01:51:52.606 as well as give them a timeline and when

NOTE Confidence: 0.87586427

01:51:52.606 --> 01:51:55.866 they can expect that result to come back.

NOTE Confidence: 0.87586427

01:51:55.870 --> 01:51:56.524 In addition,

NOTE Confidence: 0.87586427

01:51:56.524 --> 01:51:58.486 it's giving in addition to that,

NOTE Confidence: 0.87586427

01:51:58.490 --> 01:52:00.982 I go to the clinical case conference

NOTE Confidence: 0.87586427

01:52:00.982 --> 01:52:02.706 that the Department of Genetics

NOTE Confidence: 0.87586427

01:52:02.706 --> 01:52:05.050 has that Sam and Emily also go to,

NOTE Confidence: 0.87586427

01:52:05.050 --> 01:52:07.453 and that I'm sort of able to give the

NOTE Confidence: 0.87586427

01:52:07.453 --> 01:52:09.714 lab's perspective on any patients that

NOTE Confidence: 0.87586427

01:52:09.714 --> 01:52:12.270 they're talking about in that you know,

NOTE Confidence: 0.87586427

01:52:12.270 --> 01:52:14.442 what would we recommend is the

NOTE Confidence: 0.87586427

01:52:14.442 --> 01:52:16.869 procedure may be what we think would

NOTE Confidence: 0.87586427

01:52:16.869 --> 01:52:19.346 be the ideal way to go about that

NOTE Confidence: 0.87586427

01:52:19.346 --> 01:52:21.802 testing and just sort of give more of

NOTE Confidence: 0.87586427

01:52:21.802 --> 01:52:24.276 a comprehensive view and help them in

NOTE Confidence: 0.87586427

01:52:24.276 --> 01:52:26.720 deciding how to manage that placement.

NOTE Confidence: 0.87586427

01:52:26.720 --> 01:52:27.342 And again,

NOTE Confidence: 0.87586427

01:52:27.342 --> 01:52:28.586 like I mentioned earlier,

NOTE Confidence: 0.87586427

01:52:28.590 --> 01:52:30.480 a big part of this is trying

NOTE Confidence: 0.87586427

01:52:30.480 --> 01:52:32.020 to work with insurance.

NOTE Confidence: 0.87586427

01:52:32.020 --> 01:52:34.183 So there are times when I'll reach

NOTE Confidence: 0.87586427

01:52:34.183 --> 01:52:36.568 out before we do any sort of coding

NOTE Confidence: 0.87586427

01:52:36.568 --> 01:52:38.358 or testing to try and determine

NOTE Confidence: 0.87586427

01:52:38.358 --> 01:52:40.368 what the provider is looking for

NOTE Confidence: 0.87586427

01:52:40.368 --> 01:52:42.940 so we can make that all line up,

NOTE Confidence: 0.87586427

01:52:42.940 --> 01:52:44.500 but also do so afterwards.

NOTE Confidence: 0.87586427

01:52:44.500 --> 01:52:46.684 Sort of two work with them again,

NOTE Confidence: 0.87586427

01:52:46.690 --> 01:52:49.112 just to make sure that that insurance

NOTE Confidence: 0.87586427

01:52:49.112 --> 01:52:51.366 piece is covered as best as we can.

NOTE Confidence: 0.86085314

01:52:53.500 --> 01:52:55.378 And then the last thing that

NOTE Confidence: 0.86085314

01:52:55.378 --> 01:52:57.958 I want to touch on is more of

NOTE Confidence: 0.86085314

01:52:57.958 --> 01:52:59.836 my work internally in the lab,

NOTE Confidence: 0.86085314

01:52:59.840 --> 01:53:01.754 so this is really where there's

NOTE Confidence: 0.86085314

01:53:01.754 --> 01:53:03.447 a lot of different opportunities

NOTE Confidence: 0.86085314

01:53:03.447 --> 01:53:05.862 for lab GC that come from that

NOTE Confidence: 0.86085314

01:53:05.862 --> 01:53:07.769 list that I had in the poll.

NOTE Confidence: 0.86085314

01:53:07.770 --> 01:53:09.342 So one of the main things

NOTE Confidence: 0.86085314

01:53:09.342 --> 01:53:11.569 that I do is quality control,

NOTE Confidence: 0.86085314

01:53:11.570 --> 01:53:13.430 and there's a lot of different

NOTE Confidence: 0.86085314

01:53:13.430 --> 01:53:15.690 ways in which that I support that,

NOTE Confidence: 0.86085314

01:53:15.690 --> 01:53:17.850 but one of the ones that I think is

NOTE Confidence: 0.86085314

01:53:17.850 --> 01:53:20.166 best and sort of shows the utilization

NOTE Confidence: 0.86085314

01:53:20.166 --> 01:53:21.981 of a genetic counselor specifically

NOTE Confidence: 0.86085314

01:53:21.981 --> 01:53:24.447 is I've helped you develop phrases.

NOTE Confidence: 0.86085314

01:53:24.450 --> 01:53:26.520 For specific conditions that we see

NOTE Confidence: 0.86085314

01:53:26.520 --> 01:53:29.061 often come through the lab so you can

NOTE Confidence: 0.86085314

01:53:29.061 --> 01:53:31.360 see below my quality control on the slide.

NOTE Confidence: 0.86085314

01:53:31.360 --> 01:53:33.712 I have a little blurb talking about

NOTE Confidence: 0.86085314

01:53:33.712 --> 01:53:35.732 sickle cell disease and that was

NOTE Confidence: 0.86085314

01:53:35.732 --> 01:53:37.634 developed based on both my knowledge

NOTE Confidence: 0.86085314

01:53:37.634 --> 01:53:39.758 of sickle cell disease from my

NOTE Confidence: 0.86085314

01:53:39.758 --> 01:53:41.498 training as well as research.

NOTE Confidence: 0.86085314

01:53:41.500 --> 01:53:44.286 And this has helped the lab to

NOTE Confidence: 0.86085314

01:53:44.286 --> 01:53:46.206 standardize our reporting because a

NOTE Confidence: 0.86085314

01:53:46.206 --> 01:53:49.319 lot of the reporting the way that we do it.

NOTE Confidence: 0.86085314

01:53:49.320 --> 01:53:51.560 Is that we do the sequencing and then

NOTE Confidence: 0.86085314

01:53:51.560 --> 01:53:53.748 one of several analysts on our team

NOTE Confidence: 0.86085314

01:53:53.748 --> 01:53:56.112 will look at that to determine if

NOTE Confidence: 0.86085314

01:53:56.112 --> 01:53:59.064 there's any genetic changes and if there are,

NOTE Confidence: 0.86085314

01:53:59.070 --> 01:54:01.020 what is the cause of that?

NOTE Confidence: 0.86085314

01:54:01.020 --> 01:54:03.450 And so a lot of this writing can be

NOTE Confidence: 0.86085314

01:54:03.450 --> 01:54:05.300 different from analyst to analyst

NOTE Confidence: 0.86085314

01:54:05.300 --> 01:54:07.200 because we all think differently.

NOTE Confidence: 0.86085314

01:54:07.200 --> 01:54:08.500 We all act differently,

NOTE Confidence: 0.86085314

01:54:08.500 --> 01:54:09.800 so while it's similar,

NOTE Confidence: 0.86085314

01:54:09.800 --> 01:54:11.744 it's a little bit different from

NOTE Confidence: 0.86085314

01:54:11.744 --> 01:54:12.716 person to person,

NOTE Confidence: 0.86085314

01:54:12.720 --> 01:54:15.184 so our goal was to make it all

NOTE Confidence: 0.86085314

01:54:15.184 --> 01:54:16.619 standardized about our reports,

NOTE Confidence: 0.86085314

01:54:16.620 --> 01:54:20.228 come out saying the same thing every time.

NOTE Confidence: 0.86085314

01:54:20.230 --> 01:54:21.735 Another really cool aspect that

NOTE Confidence: 0.86085314

01:54:21.735 --> 01:54:24.630 I get to do here in the lab is

NOTE Confidence: 0.86085314

01:54:24.630 --> 01:54:25.950 what's called gene curation.

NOTE Confidence: 0.86085314

01:54:25.950 --> 01:54:27.858 So for those who don't know,

NOTE Confidence: 0.86085314

01:54:27.860 --> 01:54:30.191 Gene creation is the process of determining

NOTE Confidence: 0.86085314

01:54:30.191 --> 01:54:32.626 whether a gene causes a disease or not.

NOTE Confidence: 0.86085314

01:54:32.630 --> 01:54:35.510 An I have a little table here sort of

NOTE Confidence: 0.86085314

01:54:35.510 --> 01:54:37.716 demonstrating what part of that process is.

NOTE Confidence: 0.86085314

01:54:37.720 --> 01:54:40.320 So basically what you do is we want

NOTE Confidence: 0.86085314

01:54:40.320 --> 01:54:42.807 to develop a list of genes for each,

NOTE Confidence: 0.86085314

01:54:42.810 --> 01:54:44.046 either symptom or disease,

NOTE Confidence: 0.86085314

01:54:44.046 --> 01:54:46.940 so that when we get that from a provider,

NOTE Confidence: 0.86085314

01:54:46.940 --> 01:54:49.362 we know all the list of genes

NOTE Confidence: 0.86085314

01:54:49.362 --> 01:54:51.400 that we need to look at.

NOTE Confidence: 0.86085314

01:54:51.400 --> 01:54:53.864 In order to make sure that we're not

NOTE Confidence: 0.86085314

01:54:53.864 --> 01:54:56.090 missing any potential genetic cause.

NOTE Confidence: 0.86085314

01:54:56.090 --> 01:54:58.978 So what we do is we look through

NOTE Confidence: 0.86085314

01:54:58.978 --> 01:54:59.700 the literature.

NOTE Confidence: 0.86085314

01:54:59.700 --> 01:55:01.372 We looked through different

NOTE Confidence: 0.86085314

01:55:01.372 --> 01:55:03.880 websites and we tried to determine.

NOTE Confidence: 0.86085314

01:55:03.880 --> 01:55:07.936 What those genes for that condition would be?

NOTE Confidence: 0.86085314

01:55:07.940 --> 01:55:09.884 And this really helps us build

NOTE Confidence: 0.86085314

01:55:09.884 --> 01:55:12.214 that list so that every time that

NOTE Confidence: 0.86085314

01:55:12.214 --> 01:55:14.146 we get one of those orders,

NOTE Confidence: 0.86085314

01:55:14.150 --> 01:55:16.124 we make sure we're covering all

NOTE Confidence: 0.86085314

01:55:16.124 --> 01:55:18.400 the genes that could be causing it.

NOTE Confidence: 0.86085314

01:55:18.400 --> 01:55:20.689 And this sort of curation is really

NOTE Confidence: 0.86085314

01:55:20.689 --> 01:55:22.976 important, because as all of you know,

NOTE Confidence: 0.86085314

01:55:22.980 --> 01:55:25.003 and as I think someone even said

NOTE Confidence: 0.86085314

01:55:25.003 --> 01:55:26.909 in one of the questions,

NOTE Confidence: 0.86085314

01:55:26.910 --> 01:55:28.866 genetics is rapidly evolving and changing.

NOTE Confidence: 0.86085314

01:55:28.870 --> 01:55:30.670 So it's very important to constantly

NOTE Confidence: 0.86085314

01:55:30.670 --> 01:55:32.470 be updating these lists constantly,

NOTE Confidence: 0.86085314

01:55:32.470 --> 01:55:34.549 be checking for new jeans and making

NOTE Confidence: 0.86085314

01:55:34.549 --> 01:55:36.598 sure that we have a comprehensive

NOTE Confidence: 0.86085314

01:55:36.598 --> 01:55:38.418 list and we're not missing.

NOTE Confidence: 0.86085314

01:55:38.420 --> 01:55:38.734 Open.

NOTE Confidence: 0.86085314

01:55:38.734 --> 01:55:41.560 And the last thing that I really do day

NOTE Confidence: 0.901550876666666

01:55:41.637 --> 01:55:44.423 today is I support the very interpretation

NOTE Confidence: 0.901550876666666

01:55:44.423 --> 01:55:47.033 and the actual writing of these reports

NOTE Confidence: 0.901550876666666

01:55:47.033 --> 01:55:49.998 that we send out to the clinical staff.

NOTE Confidence: 0.901550876666666

01:55:49.998 --> 01:55:51.420 So very interpretation,

NOTE Confidence: 0.901550876666666

01:55:51.420 --> 01:55:54.115 similar to Gene creation is sort of

NOTE Confidence: 0.901550876666666

01:55:54.115 --> 01:55:56.374 determining whether that change that we're

NOTE Confidence: 0.901550876666666

01:55:56.374 --> 01:55:59.380 seeing in a gene actually causes the disease,

NOTE Confidence: 0.901550876666666

01:55:59.380 --> 01:56:02.782 or if we don't think it causes the disease.

NOTE Confidence: 0.901550876666666

01:56:02.790 --> 01:56:05.058 If it's what we call benign,

NOTE Confidence: 0.901550876666666

01:56:05.060 --> 01:56:08.129 so on the right bottom corner you can see

NOTE Confidence: 0.901550876666666

01:56:08.129 --> 01:56:11.345 sort of the table that a CMG the American

NOTE Confidence: 0.901550876666666

01:56:11.345 --> 01:56:13.844 College of Medical Genetics has created

NOTE Confidence: 0.901550876666666

01:56:13.844 --> 01:56:16.816 in order for you to determine whether

NOTE Confidence: 0.901550876666666

01:56:16.816 --> 01:56:20.290 or not a change in one of those jeans.

NOTE Confidence: 0.901550876666666

01:56:20.290 --> 01:56:22.938 Will cause disease and so we go through

NOTE Confidence: 0.901550876666666

01:56:22.938 --> 01:56:25.656 this and look at the criteria of the

NOTE Confidence: 0.901550876666666

01:56:25.656 --> 01:56:27.817 change and trying to decide whether

NOTE Confidence: 0.901550876666666

01:56:27.817 --> 01:56:30.498 or not that is causing the disease.

NOTE Confidence: 0.901550876666666

01:56:30.500 --> 01:56:33.316 And then we can write up a report

NOTE Confidence: 0.901550876666666

01:56:33.316 --> 01:56:36.129 based on what we find to say hey,

NOTE Confidence: 0.901550876666666

01:56:36.130 --> 01:56:37.890 this is what we found.

NOTE Confidence: 0.901550876666666

01:56:37.890 --> 01:56:39.650 We either think this particular

NOTE Confidence: 0.901550876666666

01:56:39.650 --> 01:56:41.058 change causes a disease.

NOTE Confidence: 0.901550876666666

01:56:41.060 --> 01:56:42.113 Here's the disease.

NOTE Confidence: 0.901550876666666

01:56:42.113 --> 01:56:43.868 Here's some information about it,

NOTE Confidence: 0.901550876666666

01:56:43.870 --> 01:56:45.630 or we can say, hey,

NOTE Confidence: 0.901550876666666

01:56:45.630 --> 01:56:47.742 we weren't able to find anything

NOTE Confidence: 0.901550876666666

01:56:47.742 --> 01:56:48.798 for this patient.

NOTE Confidence: 0.901550876666666

01:56:48.800 --> 01:56:51.068 Maybe in the future we can.

NOTE Confidence: 0.901550876666666

01:56:51.070 --> 01:56:52.520 But as of right now,

NOTE Confidence: 0.901550876666666

01:56:52.520 --> 01:56:54.550 we unfortunately don't have a genetic cause.

NOTE Confidence: 0.86013997

01:56:56.730 --> 01:56:59.722 The last thing I want it really quickly

NOTE Confidence: 0.86013997

01:56:59.722 --> 01:57:02.386 is just go over a case example.

NOTE Confidence: 0.86013997

01:57:02.390 --> 01:57:04.812 This is very insurance pacing and the

NOTE Confidence: 0.86013997

01:57:04.812 --> 01:57:07.352 reason I chose this specifically is I

NOTE Confidence: 0.86013997

01:57:07.352 --> 01:57:10.399 think it shows how important it is to

NOTE Confidence: 0.86013997

01:57:10.399 --> 01:57:12.459 have someone with clinical understanding

NOTE Confidence: 0.86013997

01:57:12.459 --> 01:57:14.828 involved in the insurance process because

NOTE Confidence: 0.86013997

01:57:14.828 --> 01:57:17.084 it can be very difficult sometimes,

NOTE Confidence: 0.86013997

01:57:17.090 --> 01:57:19.730 so the patient SF was seen for cardiac

NOTE Confidence: 0.86013997

01:57:19.730 --> 01:57:22.368 surgery for an ascending aortic aneurysm,

NOTE Confidence: 0.86013997

01:57:22.370 --> 01:57:24.250 and they ordered genetic testing,

NOTE Confidence: 0.86013997

01:57:24.250 --> 01:57:26.716 so her testing was initially decided.

NOTE Confidence: 0.86013997

01:57:26.720 --> 01:57:29.121 Denied by the insurance and the ordering

NOTE Confidence: 0.86013997

01:57:29.121 --> 01:57:31.058 provider called them and asked them,

NOTE Confidence: 0.86013997

01:57:31.060 --> 01:57:33.724 you know, what can we do about this?

NOTE Confidence: 0.86013997

01:57:33.730 --> 01:57:36.218 How can we get this approved and they

NOTE Confidence: 0.86013997

01:57:36.218 --> 01:57:37.961 recommended using different codes than

NOTE Confidence: 0.86013997

01:57:37.961 --> 01:57:40.748 what the labs originally coded for. So OK,

NOTE Confidence: 0.86013997

01:57:40.748 --> 01:57:42.418 that's straightforward and easy enough.

NOTE Confidence: 0.86013997

01:57:42.420 --> 01:57:44.090 We resubmit it for insurance.

NOTE Confidence: 0.86013997

01:57:44.090 --> 01:57:46.022 All we use the codes that they

NOTE Confidence: 0.86013997

01:57:46.022 --> 01:57:48.109 request and they come back saying

NOTE Confidence: 0.86013997

01:57:48.109 --> 01:57:50.094 that it needs additional information.

NOTE Confidence: 0.86013997

01:57:50.100 --> 01:57:52.434 So we're all sitting around like, OK.

NOTE Confidence: 0.86013997

01:57:52.434 --> 01:57:54.438 We did exactly what you asked.

NOTE Confidence: 0.86013997

01:57:54.440 --> 01:57:55.481 What's going on.

NOTE Confidence: 0.86013997

01:57:55.481 --> 01:57:56.869 So I hop in.

NOTE Confidence: 0.86013997

01:57:56.870 --> 01:57:58.970 I called the insurance company themselves.

NOTE Confidence: 0.86013997

01:57:58.970 --> 01:58:01.770 I discussed with them and they basically say,

NOTE Confidence: 0.86013997

01:58:01.770 --> 01:58:02.470 yeah, well,

NOTE Confidence: 0.86013997

01:58:02.470 --> 01:58:04.920 we actually told the provider is that

NOTE Confidence: 0.86013997

01:58:04.920 --> 01:58:07.020 we would maybe approve these codes,

NOTE Confidence: 0.86013997

01:58:07.020 --> 01:58:08.770 but what you originally submitted

NOTE Confidence: 0.86013997

01:58:08.770 --> 01:58:09.820 wasn't actually sufficient.

NOTE Confidence: 0.86013997

01:58:09.820 --> 01:58:12.492 So I go back to the order divider

NOTE Confidence: 0.86013997

01:58:12.492 --> 01:58:14.370 and I tell them OK.

NOTE Confidence: 0.86013997

01:58:14.370 --> 01:58:17.170 It sounds like they will approve these codes,

NOTE Confidence: 0.86013997

01:58:17.170 --> 01:58:19.954 we just need to give them more information

NOTE Confidence: 0.86013997

01:58:19.954 --> 01:58:22.068 proving why this is so important.

NOTE Confidence: 0.86013997

01:58:22.070 --> 01:58:24.324 And so I hope the provider write

NOTE Confidence: 0.86013997

01:58:24.324 --> 01:58:26.899 up a letter of medical necessity.

NOTE Confidence: 0.86013997

01:58:26.900 --> 01:58:29.182 To address all of their additional questions

NOTE Confidence: 0.86013997

01:58:29.182 --> 01:58:31.967 and we send that to the insurance company,

NOTE Confidence: 0.86013997

01:58:31.970 --> 01:58:35.785 which finally results in it getting approved.

NOTE Confidence: 0.86013997

01:58:35.790 --> 01:58:38.262 So without all of that communication

NOTE Confidence: 0.86013997

01:58:38.262 --> 01:58:41.222 and sort of understanding of both the

NOTE Confidence: 0.86013997

01:58:41.222 --> 01:58:43.297 processes and the clinical importance,

NOTE Confidence: 0.86013997

01:58:43.300 --> 01:58:46.090 I think getting that testing

NOTE Confidence: 0.86013997

01:58:46.090 --> 01:58:48.880 approved may have never happened.

NOTE Confidence: 0.86013997

01:58:48.880 --> 01:58:51.096 So I know that was kind of fast.

NOTE Confidence: 0.86013997

01:58:51.100 --> 01:58:53.584 I know we're also kind of behind on time,

NOTE Confidence: 0.86013997

01:58:53.590 --> 01:58:55.526 but I will be around to answer

NOTE Confidence: 0.86013997

01:58:55.526 --> 01:58:56.572 any questions as well,

NOTE Confidence: 0.86013997

01:58:56.572 --> 01:58:59.130 so please let me know if you have anything.

NOTE Confidence: 0.8411527

01:59:01.850 --> 01:59:04.100 Thanks Anthony, that was good.

NOTE Confidence: 0.8411527

01:59:04.100 --> 01:59:07.720 I think there was one question in the chat

NOTE Confidence: 0.8411527

01:59:07.720 --> 01:59:10.222 section about insurance and our various

NOTE Confidence: 0.8411527

01:59:10.222 --> 01:59:12.630 interactions with insurance companies.

NOTE Confidence: 0.8411527

01:59:12.630 --> 01:59:15.770 I'm not sure if that participant who

NOTE Confidence: 0.8411527

01:59:15.770 --> 01:59:18.465 asked was directly thinking about cancer

NOTE Confidence: 0.8411527

01:59:18.465 --> 01:59:20.710 or reproductive for laboratory GCS,

NOTE Confidence: 0.8411527

01:59:20.710 --> 01:59:24.046 but we're butting up right into our break

NOTE Confidence: 0.8411527

01:59:24.046 --> 01:59:27.890 time and there's a lot of information today,

NOTE Confidence: 0.8411527

01:59:27.890 --> 01:59:30.592 so I do want to give people

NOTE Confidence: 0.8411527

01:59:30.592 --> 01:59:32.920 some time to decompress.

NOTE Confidence: 0.8411527

01:59:32.920 --> 01:59:35.272 I think I'll make an executive

NOTE Confidence: 0.8411527

01:59:35.272 --> 01:59:37.288 decision to shorten the break

NOTE Confidence: 0.8411527

01:59:37.288 --> 01:59:39.526 from 15 minutes to 10 minutes,

NOTE Confidence: 0.8411527

01:59:39.530 --> 01:59:43.022 but feel free to grab a cup of coffee.

NOTE Confidence: 0.8411527

01:59:43.030 --> 01:59:44.980 Everyone. I'll start the timer.

NOTE Confidence: 0.8411527

01:59:44.980 --> 01:59:46.920 Let me share my screen.

NOTE Confidence: 0.8988990125

01:59:53.260 --> 01:59:55.888 And we can. Return.

NOTE Confidence: 0.9016205

01:59:59.630 --> 02:00:02.770 You guys can see that right? Perfect.

NOTE Confidence: 0.69709396

02:09:56.200 --> 02:09:56.930 My gosh.

NOTE Confidence: 0.6166695

02:10:00.580 --> 02:10:02.970 And realize there would be

NOTE Confidence: 0.6166695

02:10:02.970 --> 02:10:06.390 noise coming from OK. Alright,

NOTE Confidence: 0.6166695

02:10:06.390 --> 02:10:09.666 and we're ready for Part 2.

NOTE Confidence: 0.8675374

02:10:19.470 --> 02:10:22.523 And I'm not sure who is gonna share

NOTE Confidence: 0.8675374

02:10:22.523 --> 02:10:25.808 their sides as Maria you first and then.

NOTE Confidence: 0.91824996

02:10:29.260 --> 02:10:32.300 Let me go ahead and. Share my screen.

NOTE Confidence: 0.67763966

02:10:33.330 --> 02:10:36.240 Perfect everybody see.

NOTE Confidence: 0.8376721

02:10:36.240 --> 02:10:38.255 Looks good. OK so hi everyone,

NOTE Confidence: 0.8376721

02:10:38.255 --> 02:10:39.926 my name is Maria Geyer.

NOTE Confidence: 0.8376721

02:10:39.926 --> 02:10:41.603 I am a genetic counselor.

NOTE Confidence: 0.8376721

02:10:41.603 --> 02:10:43.950 I work at the University of Connecticut.

NOTE Confidence: 0.8376721

02:10:43.950 --> 02:10:46.183 IAM what you call someone with a

NOTE Confidence: 0.8376721

02:10:46.183 --> 02:10:48.244 mixed position where I am mostly

NOTE Confidence: 0.8376721

02:10:48.244 --> 02:10:49.974 focused on academia and education,

NOTE Confidence: 0.8376721

02:10:49.980 --> 02:10:51.768 but I do have some clinical

NOTE Confidence: 0.8376721

02:10:51.768 --> 02:10:53.999 duties over on the medical campus.

NOTE Confidence: 0.8376721

02:10:54.000 --> 02:10:56.289 So because of my role in education

NOTE Confidence: 0.8376721

02:10:56.289 --> 02:10:58.020 and my involvement in helping,

NOTE Confidence: 0.8376721

02:10:58.020 --> 02:10:59.695 you can't start their own

NOTE Confidence: 0.8376721

02:10:59.695 --> 02:11:00.700 genetic counseling program.

NOTE Confidence: 0.8376721

02:11:00.700 --> 02:11:03.712 I'm going to talk to you a little bit

NOTE Confidence: 0.8376721

02:11:03.712 --> 02:11:05.716 today about applying to graduate programs

NOTE Confidence: 0.8376721

02:11:05.716 --> 02:11:08.127 for genetic counseling in general some.

NOTE Confidence: 0.8376721

02:11:08.130 --> 02:11:09.138 Some tips and tricks,

NOTE Confidence: 0.8376721

02:11:09.138 --> 02:11:10.398 some some do's and don'ts,

NOTE Confidence: 0.8376721

02:11:10.400 --> 02:11:11.816 maybe in order to maybe Taylor

NOTE Confidence: 0.8376721

02:11:11.816 --> 02:11:13.612 this a little bit better to who's

NOTE Confidence: 0.8376721

02:11:13.612 --> 02:11:14.680 in the audience today?

NOTE Confidence: 0.8376721

02:11:14.680 --> 02:11:16.535 I have a couple of questions from

NOTE Confidence: 0.8376721

02:11:16.535 --> 02:11:18.332 polls that I wanted to throw up

NOTE Confidence: 0.8376721

02:11:18.332 --> 02:11:20.498 here just so I can get a sense of

NOTE Confidence: 0.8376721

02:11:20.498 --> 02:11:21.232 who's listening today.

NOTE Confidence: 0.8376721

02:11:21.232 --> 02:11:21.734 So Alex,

NOTE Confidence: 0.8376721

02:11:21.734 --> 02:11:23.746 we want to throw that first one up.

NOTE Confidence: 0.8722717

02:11:26.740 --> 02:11:29.012 I want to know how many of you

NOTE Confidence: 0.8722717

02:11:29.012 --> 02:11:30.428 will be applying to genetic

NOTE Confidence: 0.8722717

02:11:30.430 --> 02:11:31.482 counseling programs this fall,

NOTE Confidence: 0.8722717

02:11:31.482 --> 02:11:33.060 or if this is something that

NOTE Confidence: 0.8722717

02:11:33.113 --> 02:11:34.643 you're considering doing for this

NOTE Confidence: 0.8722717

02:11:34.643 --> 02:11:35.978 upcoming year, not attending,

NOTE Confidence: 0.8722717

02:11:35.978 --> 02:11:38.491 but applying because we all know that

NOTE Confidence: 0.8722717

02:11:38.491 --> 02:11:41.155 the process for this can be quite long.

NOTE Confidence: 0.8722717

02:11:41.160 --> 02:11:43.057 So if you are let us know,

NOTE Confidence: 0.8722717

02:11:43.060 --> 02:11:45.229 or even if you're unsure, maybe a maybe.

NOTE Confidence: 0.905396

02:11:55.490 --> 02:11:57.930 Alright, and a few more seconds.

NOTE Confidence: 0.8822768

02:12:04.460 --> 02:12:06.050 Great, so more than half of

NOTE Confidence: 0.8822768

02:12:06.050 --> 02:12:07.370 you are planning on attempting

NOTE Confidence: 0.8822768

02:12:07.430 --> 02:12:09.536 to apply this coming fall, so that's great.

NOTE Confidence: 0.8822768

02:12:09.536 --> 02:12:11.650 So you're in the right spot in terms

NOTE Confidence: 0.8822768

02:12:11.650 --> 02:12:13.715 of listening and for those who aren't

NOTE Confidence: 0.8822768

02:12:13.715 --> 02:12:15.619 planning on it might just be that

NOTE Confidence: 0.8822768

02:12:15.619 --> 02:12:17.420 you're planning on it for you know

NOTE Confidence: 0.8822768

02:12:17.420 --> 02:12:19.310 a couple of years down the line,

NOTE Confidence: 0.8822768

02:12:19.310 --> 02:12:22.490 or you're just really trying to.

NOTE Confidence: 0.8822768

02:12:22.490 --> 02:12:23.900 See if genetic counseling today's

NOTE Confidence: 0.8822768

02:12:23.900 --> 02:12:26.126 is kind of a good fit for where

NOTE Confidence: 0.8822768

02:12:26.126 --> 02:12:27.638 you want to go career wise.

NOTE Confidence: 0.8822768

02:12:27.640 --> 02:12:29.899 So I think you're also in a good spot

NOTE Confidence: 0.8822768

02:12:29.899 --> 02:12:31.913 and I think there's one more poll

NOTE Confidence: 0.8822768

02:12:31.913 --> 02:12:34.142 that I wanted to to throw up here,

NOTE Confidence: 0.8822768

02:12:34.142 --> 02:12:36.262 just that I could get some more information.

NOTE Confidence: 0.8822768

02:12:36.262 --> 02:12:38.378 I was interested to know how many of

NOTE Confidence: 0.8822768

02:12:38.378 --> 02:12:40.184 you had applied to a genetic counseling

NOTE Confidence: 0.8822768

02:12:40.184 --> 02:12:41.923 program previously and maybe not been

NOTE Confidence: 0.8822768

02:12:41.923 --> 02:12:43.631 successful in matching with the program,

NOTE Confidence: 0.8822768

02:12:43.631 --> 02:12:45.799 because sometimes I mean more often than not.

NOTE Confidence: 0.8822768

02:12:45.800 --> 02:12:47.312 That is what happens that people

NOTE Confidence: 0.8822768

02:12:47.312 --> 02:12:49.319 don't get in on their first round,

NOTE Confidence: 0.8822768

02:12:49.320 --> 02:12:51.232 so it can be helpful to me to

NOTE Confidence: 0.8822768

02:12:51.232 --> 02:12:53.469 know if if that really applies to.

NOTE Confidence: 0.8822768

02:12:53.470 --> 02:12:54.886 Most of you, or maybe not,

NOTE Confidence: 0.8822768

02:12:54.890 --> 02:12:56.690 many of you and I can maybe give

NOTE Confidence: 0.8822768

02:12:56.690 --> 02:12:58.188 you some more info on that.

NOTE Confidence: 0.8583451

02:13:05.530 --> 02:13:07.112 OK, alright so for a lot

NOTE Confidence: 0.8583451

02:13:07.112 --> 02:13:08.684 of you this is new turf,

NOTE Confidence: 0.8583451

02:13:08.690 --> 02:13:10.244 so that's cool and that that again

NOTE Confidence: 0.8583451

02:13:10.244 --> 02:13:12.186 helps me to kind of tailor things

NOTE Confidence: 0.8583451

02:13:12.186 --> 02:13:13.414 around what's happening here.

NOTE Confidence: 0.8583451

02:13:13.420 --> 02:13:15.247 So alright, so we're going to talk

NOTE Confidence: 0.8583451

02:13:15.247 --> 02:13:16.839 about the process of grad school.

NOTE Confidence: 0.8583451

02:13:16.840 --> 02:13:18.418 We have about 1/2 an hour

NOTE Confidence: 0.8583451

02:13:18.418 --> 02:13:19.470 between Colleen and myself.

NOTE Confidence: 0.8583451

02:13:19.470 --> 02:13:21.451 Will try to take the 1st 15

NOTE Confidence: 0.8583451

02:13:21.451 --> 02:13:23.150 minutes and there's a lot to say,

NOTE Confidence: 0.8583451

02:13:23.150 --> 02:13:24.984 so I'm going to go pretty fast,

NOTE Confidence: 0.8583451

02:13:24.990 --> 02:13:26.305 but hopefully if you do

NOTE Confidence: 0.8583451

02:13:26.305 --> 02:13:27.620 that survey at the end,

NOTE Confidence: 0.8583451

02:13:27.620 --> 02:13:29.114 you're going to get a recording

NOTE Confidence: 0.8583451

02:13:29.114 --> 02:13:31.038 and you can go back and listen.

NOTE Confidence: 0.8583451

02:13:31.040 --> 02:13:33.407 If you have some holes in what you've heard,

NOTE Confidence: 0.8583451

02:13:33.410 --> 02:13:35.870 so a few steps to talk about, you know.

NOTE Confidence: 0.8583451

02:13:35.870 --> 02:13:37.256 In terms of applying to program

NOTE Confidence: 0.8583451

02:13:37.256 --> 02:13:38.950 step one is know yourself right?

NOTE Confidence: 0.8583451

02:13:38.950 --> 02:13:40.710 So you kind of have to know that

NOTE Confidence: 0.8583451

02:13:40.710 --> 02:13:42.690 this is going to be a career that's

NOTE Confidence: 0.8583451

02:13:42.690 --> 02:13:44.614 right for you and there are different

NOTE Confidence: 0.8583451

02:13:44.614 --> 02:13:46.651 ways we're going to talk about in

NOTE Confidence: 0.8583451

02:13:46.660 --> 02:13:48.459 terms of how to figure that out.

NOTE Confidence: 0.8583451

02:13:48.460 --> 02:13:49.978 But you being here today is

NOTE Confidence: 0.8583451

02:13:49.978 --> 02:13:51.290 obviously a great first step.

NOTE Confidence: 0.8583451

02:13:51.290 --> 02:13:53.162 Let's learn about what life is like in

NOTE Confidence: 0.8583451

02:13:53.162 --> 02:13:54.630 different areas of genetic counseling.

NOTE Confidence: 0.8583451

02:13:54.630 --> 02:13:56.172 It's not all just direct patient

NOTE Confidence: 0.8583451

02:13:56.172 --> 02:13:57.150 care anymore. You can.

NOTE Confidence: 0.8583451

02:13:57.150 --> 02:13:58.990 You can have a vast array of different

NOTE Confidence: 0.8583451

02:13:59.042 --> 02:14:00.686 experiences as a genetic counselor so

NOTE Confidence: 0.8583451

02:14:00.686 --> 02:14:03.106 you know there are different ways to do this.

NOTE Confidence: 0.8583451

02:14:03.110 --> 02:14:05.278 You can reflect on your needs and your

NOTE Confidence: 0.8583451

02:14:05.278 --> 02:14:07.479 goals like where you want to be in life.

NOTE Confidence: 0.8583451

02:14:07.480 --> 02:14:08.341 Talk to people.

NOTE Confidence: 0.8583451

02:14:08.341 --> 02:14:09.776 Listen to folks like us.

NOTE Confidence: 0.8583451

02:14:09.780 --> 02:14:11.635 Seek out some other people who who

NOTE Confidence: 0.8583451

02:14:11.635 --> 02:14:13.709 might have some expertise in this area.

NOTE Confidence: 0.8583451

02:14:13.710 --> 02:14:15.673 So really, you know the first step

NOTE Confidence: 0.8583451

02:14:15.673 --> 02:14:17.926 is to kind of sit with yourself.

NOTE Confidence: 0.8583451

02:14:17.926 --> 02:14:19.574 In the second step,

NOTE Confidence: 0.8583451

02:14:19.574 --> 02:14:21.373 you know once you get past that

NOTE Confidence: 0.8583451

02:14:21.373 --> 02:14:22.602 and you're like, hey,

NOTE Confidence: 0.8583451

02:14:22.602 --> 02:14:23.690 genetic counseling is something

NOTE Confidence: 0.8583451

02:14:23.690 --> 02:14:25.050 I really want to do.

NOTE Confidence: 0.8583451

02:14:25.050 --> 02:14:26.947 You want to know the programs right?

NOTE Confidence: 0.8583451

02:14:26.950 --> 02:14:28.038 So who's out there?

NOTE Confidence: 0.8583451

02:14:28.038 --> 02:14:29.126 How are they different?

NOTE Confidence: 0.8583451

02:14:29.130 --> 02:14:30.218 How are they similar?

NOTE Confidence: 0.8583451

02:14:30.220 --> 02:14:32.131 So although many of them are similar,

NOTE Confidence: 0.8583451

02:14:32.131 --> 02:14:34.070 you know each program is going to

NOTE Confidence: 0.8583451

02:14:34.131 --> 02:14:36.195 have kind of its unique spin or niche.

NOTE Confidence: 0.8583451

02:14:36.200 --> 02:14:37.943 There are some programs that focus much

NOTE Confidence: 0.8583451

02:14:37.943 --> 02:14:39.609 more heavily on psychosocial skills and

NOTE Confidence: 0.8583451

02:14:39.609 --> 02:14:41.639 that that whole counseling aspect of it.

NOTE Confidence: 0.8583451

02:14:41.640 --> 02:14:43.000 There are some that focus

NOTE Confidence: 0.8583451

02:14:43.000 --> 02:14:44.088 much more on research,

NOTE Confidence: 0.8583451

02:14:44.090 --> 02:14:46.538 so maybe you have a desire to do research,

NOTE Confidence: 0.8583451

02:14:46.540 --> 02:14:48.444 but you really like genetic counseling like

NOTE Confidence: 0.8583451

02:14:48.444 --> 02:14:50.617 there are ways to intermingle those of you.

NOTE Confidence: 0.8583451

02:14:50.620 --> 02:14:52.970 As you've heard from Arcata.

NOTE Confidence: 0.8583451

02:14:52.970 --> 02:14:53.260 Technology,

NOTE Confidence: 0.8583451

02:14:53.260 --> 02:14:55.290 so maybe you want to learn more

NOTE Confidence: 0.8583451

02:14:55.290 --> 02:14:56.740 about next Gen sequencing.

NOTE Confidence: 0.8583451

02:14:56.740 --> 02:14:58.515 Maybe you know industry type

NOTE Confidence: 0.8583451

02:14:58.515 --> 02:15:00.290 career with genetic counseling is

NOTE Confidence: 0.8583451

02:15:00.350 --> 02:15:02.310 is your thing and and there are

NOTE Confidence: 0.8583451

02:15:02.310 --> 02:15:04.273 programs that are just a little bit

NOTE Confidence: 0.8583451

02:15:04.273 --> 02:15:07.060 more in tune to things like that.

NOTE Confidence: 0.8583451

02:15:07.060 --> 02:15:07.680 You know,

NOTE Confidence: 0.8583451

02:15:07.680 --> 02:15:09.230 programs can different types of

NOTE Confidence: 0.8583451

02:15:09.230 --> 02:15:11.737 the in terms of the type and amount

NOTE Confidence: 0.8583451

02:15:11.737 --> 02:15:13.257 of clinical exposure you have.

NOTE Confidence: 0.8583451

02:15:13.260 --> 02:15:15.120 When you start your clinical rotations,

NOTE Confidence: 0.8583451

02:15:15.120 --> 02:15:16.980 how long you're there and patient

NOTE Confidence: 0.8583451

02:15:16.980 --> 02:15:18.220 populations based on location.

NOTE Confidence: 0.8583451

02:15:18.220 --> 02:15:19.998 So there you know depending on where

NOTE Confidence: 0.8583451

02:15:19.998 --> 02:15:21.940 your program is geographically located,

NOTE Confidence: 0.8583451

02:15:21.940 --> 02:15:23.500 they might serve different populations

NOTE Confidence: 0.8583451

02:15:23.500 --> 02:15:25.350 and some might interest you more.

NOTE Confidence: 0.8583451

02:15:25.350 --> 02:15:27.520 Or you may have a passion for

NOTE Confidence: 0.8583451

02:15:27.520 --> 02:15:28.450 a particular population.

NOTE Confidence: 0.8618158

02:15:28.450 --> 02:15:30.557 So I encourage you to do your

NOTE Confidence: 0.8618158

02:15:30.557 --> 02:15:31.860 homework about programs right?

NOTE Confidence: 0.8618158

02:15:31.860 --> 02:15:33.544 So no other programs.

NOTE Confidence: 0.8618158

02:15:33.544 --> 02:15:36.188 When you're trying to select a program so

NOTE Confidence: 0.8618158

02:15:36.188 --> 02:15:38.420 you know the programs that are out there

NOTE Confidence: 0.8618158

02:15:38.482 --> 02:15:40.840 now and I gotta make your small list about,

NOTE Confidence: 0.8618158

02:15:40.840 --> 02:15:42.478 you know which ones interest you,

NOTE Confidence: 0.8618158

02:15:42.480 --> 02:15:44.130 there's a lot of different factors.

NOTE Confidence: 0.8618158

02:15:44.130 --> 02:15:46.048 And aside from what I just said,

NOTE Confidence: 0.8618158

02:15:46.050 --> 02:15:47.730 where they can have kind of their

NOTE Confidence: 0.8618158

02:15:47.730 --> 02:15:49.330 own niche and specialty areas,

NOTE Confidence: 0.8618158

02:15:49.330 --> 02:15:50.700 they're going to differ in

NOTE Confidence: 0.8618158

02:15:50.700 --> 02:15:51.796 some other ways too.

NOTE Confidence: 0.8618158

02:15:51.800 --> 02:15:52.568 So educational delivery.

NOTE Confidence: 0.8618158

02:15:52.568 --> 02:15:54.104 So how are you going to

NOTE Confidence: 0.8618158

02:15:54.104 --> 02:15:55.359 learn that these programs?

NOTE Confidence: 0.8618158

02:15:55.360 --> 02:15:57.010 Most programs are face to face?

NOTE Confidence: 0.8618158

02:15:57.010 --> 02:15:59.194 You gotta be on campus and beyond sight,

NOTE Confidence: 0.8618158

02:15:59.200 --> 02:16:00.312 but some are online,

NOTE Confidence: 0.8618158

02:16:00.312 --> 02:16:02.703 some are hybrid and you'll hear from some

NOTE Confidence: 0.8618158

02:16:02.703 --> 02:16:04.707 students who attend programs like those.

NOTE Confidence: 0.8618158

02:16:04.710 --> 02:16:06.090 How big is a class size?

NOTE Confidence: 0.8618158

02:16:06.090 --> 02:16:07.240 Is that important to you?

NOTE Confidence: 0.8618158

02:16:07.240 --> 02:16:08.773 Do you want to have 20 classmates

NOTE Confidence: 0.8618158

02:16:08.773 --> 02:16:10.457 or do you want to have three?

NOTE Confidence: 0.8618158

02:16:10.460 --> 02:16:12.020 Can be a very different experience

NOTE Confidence: 0.8618158

02:16:12.020 --> 02:16:13.859 depending on what you're comfortable with.

NOTE Confidence: 0.8618158

02:16:13.860 --> 02:16:15.402 Cost is obviously something that can

NOTE Confidence: 0.8618158

02:16:15.402 --> 02:16:17.362 be prohibitive to a lot of people that

NOTE Confidence: 0.8618158

02:16:17.362 --> 02:16:19.150 has to be considered into the equation,

NOTE Confidence: 0.8618158

02:16:19.150 --> 02:16:21.418 so you're going to want to know tuition fees.

NOTE Confidence: 0.8618158

02:16:21.420 --> 02:16:22.926 You're going to want to know,

NOTE Confidence: 0.8618158

02:16:22.930 --> 02:16:24.190 do they have scholarships available?

NOTE Confidence: 0.8618158

02:16:24.190 --> 02:16:26.206 What type of financial aid can they offer?

NOTE Confidence: 0.8618158

02:16:26.210 --> 02:16:27.470 What's the cost of living?

NOTE Confidence: 0.8618158

02:16:27.470 --> 02:16:29.136 You know you may have always pictured

NOTE Confidence: 0.8618158

02:16:29.136 --> 02:16:30.739 yourself in a program in Boston,

NOTE Confidence: 0.8618158

02:16:30.740 --> 02:16:32.672 but can you afford to live in

NOTE Confidence: 0.8618158

02:16:32.672 --> 02:16:34.850 Boston but go to school full time?

NOTE Confidence: 0.8618158

02:16:34.850 --> 02:16:36.684 Is your program a program that allows

NOTE Confidence: 0.8618158

02:16:36.684 --> 02:16:38.538 you to work while you're there?

NOTE Confidence: 0.8618158

02:16:38.540 --> 02:16:40.245 So all these things have to

NOTE Confidence: 0.8618158

02:16:40.245 --> 02:16:41.100 be considered location?

NOTE Confidence: 0.8618158

02:16:41.100 --> 02:16:42.520 We kind of touched on.

NOTE Confidence: 0.8618158

02:16:42.520 --> 02:16:42.803 Yes,

NOTE Confidence: 0.8618158

02:16:42.803 --> 02:16:44.218 some can be in cities,

NOTE Confidence: 0.8618158

02:16:44.220 --> 02:16:45.930 some can be in rural areas,

NOTE Confidence: 0.8618158

02:16:45.930 --> 02:16:48.477 is a program close to where your family is,

NOTE Confidence: 0.8618158

02:16:48.480 --> 02:16:50.142 and maybe that's going to be

NOTE Confidence: 0.8618158

02:16:50.142 --> 02:16:51.610 your housing while you're there.

NOTE Confidence: 0.8618158

02:16:51.610 --> 02:16:54.090 Do they have public transportation or are you

NOTE Confidence: 0.8618158

02:16:54.090 --> 02:16:56.720 going to have to go to school with the car?

NOTE Confidence: 0.8618158

02:16:56.720 --> 02:16:58.418 Do you not have a car?

NOTE Confidence: 0.8618158

02:16:58.420 --> 02:17:00.058 So there's a lot that can

NOTE Confidence: 0.8618158

02:17:00.058 --> 02:17:01.550 that can go into this.

NOTE Confidence: 0.8618158

02:17:01.550 --> 02:17:02.678 We talk about faculty,

NOTE Confidence: 0.8618158

02:17:02.678 --> 02:17:03.524 the faculty experience.

NOTE Confidence: 0.8618158

02:17:03.530 --> 02:17:05.924 How many faculty member to student ratio?

NOTE Confidence: 0.8618158

02:17:05.930 --> 02:17:06.518 What what?

NOTE Confidence: 0.8618158

02:17:06.518 --> 02:17:07.400 That looks like,

NOTE Confidence: 0.8618158

02:17:07.400 --> 02:17:08.010 you know,

NOTE Confidence: 0.8618158

02:17:08.010 --> 02:17:09.840 do you prefer a smaller learning

NOTE Confidence: 0.8618158

02:17:09.840 --> 02:17:11.200 environment or a larger one?

NOTE Confidence: 0.8618158

02:17:11.200 --> 02:17:12.670 What affiliations do they have?

NOTE Confidence: 0.8618158

02:17:12.670 --> 02:17:14.826 So are they connected with a university

NOTE Confidence: 0.8618158

02:17:14.826 --> 02:17:17.058 based hospital or do they have their own?

NOTE Confidence: 0.8618158

02:17:17.060 --> 02:17:18.392 Are there other international

NOTE Confidence: 0.8618158

02:17:18.392 --> 02:17:20.057 partnerships that are important to

NOTE Confidence: 0.8618158

02:17:20.057 --> 02:17:22.152 you that they may have and what

NOTE Confidence: 0.8618158

02:17:22.152 --> 02:17:23.596 kind of training opportunities do

NOTE Confidence: 0.8618158

02:17:23.596 --> 02:17:25.346 they provide so you know what will

NOTE Confidence: 0.8618158

02:17:25.346 --> 02:17:26.660 your clinical rotation look like?

NOTE Confidence: 0.8618158

02:17:26.660 --> 02:17:28.550 Are you going to get the standard

NOTE Confidence: 0.8618158

02:17:28.605 --> 02:17:30.246 like pediatric, prenatal and cancer?

NOTE Confidence: 0.8618158

02:17:30.246 --> 02:17:32.003 Do you get a wider variety?

NOTE Confidence: 0.8618158

02:17:32.003 --> 02:17:34.640 You know, do you get to pick a rotation?

NOTE Confidence: 0.8618158

02:17:34.640 --> 02:17:35.621 That's a specialty?

NOTE Confidence: 0.8618158

02:17:35.621 --> 02:17:37.583 You know where you're going to

NOTE Confidence: 0.8618158

02:17:37.583 --> 02:17:39.347 have as much lab experience.

NOTE Confidence: 0.8618158

02:17:39.350 --> 02:17:41.877 Working with lab GC's that you want.

NOTE Confidence: 0.8618158

02:17:41.880 --> 02:17:44.414 So these are going to be always

NOTE Confidence: 0.8618158

02:17:44.414 --> 02:17:46.228 that that programs differ and

NOTE Confidence: 0.8618158

02:17:46.230 --> 02:17:47.886 these are obviously important

NOTE Confidence: 0.8618158

02:17:47.886 --> 02:17:50.370 questions for you to ask yourself

NOTE Confidence: 0.8618158

02:17:50.436 --> 02:17:52.208 when considering a program.

NOTE Confidence: 0.8618158

02:17:52.210 --> 02:17:54.674 And I am going to just move this.

NOTE Confidence: 0.80740094

02:17:54.680 --> 02:17:58.505 OK, OK? So when you're exploring programs

NOTE Confidence: 0.80740094

02:17:58.505 --> 02:18:00.558 like, how do you start ready start?

NOTE Confidence: 0.80740094

02:18:00.560 --> 02:18:02.600 I say go to this one particular website

NOTE Confidence: 0.80740094

02:18:02.600 --> 02:18:05.041 and as I listed here GC education.org and

NOTE Confidence: 0.80740094

02:18:05.041 --> 02:18:07.546 they're going to list all of the currently

NOTE Confidence: 0.80740094

02:18:07.546 --> 02:18:09.642 accredited programs in the US and Canada.

NOTE Confidence: 0.80740094

02:18:09.642 --> 02:18:11.686 That's going to be where you get

NOTE Confidence: 0.80740094

02:18:11.686 --> 02:18:13.742 your pool from and then you know,

NOTE Confidence: 0.80740094

02:18:13.742 --> 02:18:15.974 just like we said, you make your smaller

NOTE Confidence: 0.80740094

02:18:15.974 --> 02:18:18.140 list and then you start asking questions.

NOTE Confidence: 0.80740094

02:18:18.140 --> 02:18:19.600 So visit the campus. Now.

NOTE Confidence: 0.80740094

02:18:19.600 --> 02:18:21.399 I know in terms of COVID that's

NOTE Confidence: 0.80740094

02:18:21.399 --> 02:18:22.820 been kind of difficult,

NOTE Confidence: 0.80740094

02:18:22.820 --> 02:18:24.290 or that can be difficult.

NOTE Confidence: 0.80740094

02:18:24.290 --> 02:18:26.320 So zoom calls are appropriate phone calls

NOTE Confidence: 0.80740094

02:18:26.320 --> 02:18:27.950 to program directors or appropriate.

NOTE Confidence: 0.80740094

02:18:27.950 --> 02:18:28.526 Asking questions,

NOTE Confidence: 0.80740094

02:18:28.526 --> 02:18:31.199 I'm just maybe a drive by see if the

NOTE Confidence: 0.80740094

02:18:31.199 --> 02:18:33.029 town is like something like that.

NOTE Confidence: 0.80740094

02:18:33.030 --> 02:18:35.430 Try to get ahold of some students or

NOTE Confidence: 0.88374281

02:18:35.430 --> 02:18:37.446 alumni. And this is going to

NOTE Confidence: 0.89031756

02:18:37.450 --> 02:18:39.258 be very valuable to you as a prospective

NOTE Confidence: 0.89031756

02:18:39.258 --> 02:18:41.093 student, because it's going to allow you to

NOTE Confidence: 0.89031756

02:18:41.093 --> 02:18:42.887 ask questions of things like you know what

NOTE Confidence: 0.89031756

02:18:42.887 --> 02:18:44.938 did you wish you knew before you came here,

NOTE Confidence: 0.89031756

02:18:44.940 --> 02:18:46.302 or what was your favorite part

NOTE Confidence: 0.89031756

02:18:46.302 --> 02:18:47.210 of attending this program?

NOTE Confidence: 0.89031756

02:18:47.210 --> 02:18:48.566 Or if you could change something,

NOTE Confidence: 0.89031756

02:18:48.570 --> 02:18:49.366 what would you change?

NOTE Confidence: 0.89031756

02:18:49.366 --> 02:18:50.874 And you'll start to get an overall

NOTE Confidence: 0.89031756

02:18:50.874 --> 02:18:52.199 feel of the student experience,

NOTE Confidence: 0.89031756

02:18:52.200 --> 02:18:53.500 and that, I think,

NOTE Confidence: 0.89031756

02:18:53.500 --> 02:18:55.450 is important in making your decision.

NOTE Confidence: 0.89031756

02:18:55.450 --> 02:18:57.026 We want you to ask lots of questions

NOTE Confidence: 0.89031756

02:18:57.026 --> 02:18:58.340 to the program Director's.

NOTE Confidence: 0.89031756

02:18:58.340 --> 02:19:00.509 The ones I've listed kind of at the bottom.

NOTE Confidence: 0.89031756

02:19:00.510 --> 02:19:02.197 Here are things that are good interview

NOTE Confidence: 0.89031756

02:19:02.197 --> 02:19:05.260 questions, so take a peek at those.

NOTE Confidence: 0.89031756

02:19:05.260 --> 02:19:07.426 Step three, you want to know the process.

NOTE Confidence: 0.89031756

02:19:07.430 --> 02:19:09.026 OK, So what is applying to grad

NOTE Confidence: 0.89031756

02:19:09.026 --> 02:19:11.014 school is a process you have to

NOTE Confidence: 0.89031756

02:19:11.014 --> 02:19:12.574 know the timing for applications.

NOTE Confidence: 0.89031756

02:19:12.580 --> 02:19:15.290 Most of them are going to be in late fall,

NOTE Confidence: 0.89031756

02:19:15.290 --> 02:19:16.354 early winter. You know.

NOTE Confidence: 0.89031756

02:19:16.354 --> 02:19:18.283 How soon do you have to take

NOTE Confidence: 0.89031756

02:19:18.283 --> 02:19:19.885 your your GR ES before that?

NOTE Confidence: 0.89031756

02:19:19.890 --> 02:19:21.787 Or do you have all the prereqs

NOTE Confidence: 0.89031756

02:19:21.787 --> 02:19:22.600 done before that?

NOTE Confidence: 0.89031756

02:19:22.600 --> 02:19:24.497 Many of the programs had very similar

NOTE Confidence: 0.89031756

02:19:24.497 --> 02:19:25.854 requirements, but they are different.

NOTE Confidence: 0.89031756

02:19:25.854 --> 02:19:28.384 So once you make your small list you have to

NOTE Confidence: 0.89031756

02:19:28.384 --> 02:19:30.458 go according to what each program requires.

NOTE Confidence: 0.89031756

02:19:30.460 --> 02:19:32.092 You know some required two semesters

NOTE Confidence: 0.89031756

02:19:32.092 --> 02:19:33.719 of organic chemistry and some don't.

NOTE Confidence: 0.89031756

02:19:33.720 --> 02:19:35.968 So it's very important to know those nuances.

NOTE Confidence: 0.89031756

02:19:35.970 --> 02:19:38.714 Well before you apply so that you have

NOTE Confidence: 0.89031756

02:19:38.714 --> 02:19:41.486 time to take them if you need them.

NOTE Confidence: 0.89031756

02:19:41.490 --> 02:19:43.026 Applying to more than one program.

NOTE Confidence: 0.89031756

02:19:43.030 --> 02:19:45.325 So what I usually tell students is you know.

NOTE Confidence: 0.89031756

02:19:45.330 --> 02:19:46.692 So data showed that if you

NOTE Confidence: 0.89031756

02:19:46.692 --> 02:19:48.399 apply to four or more programs,

NOTE Confidence: 0.89031756

02:19:48.400 --> 02:19:50.740 you have a much higher chance of getting into

NOTE Confidence: 0.89031756

02:19:50.740 --> 02:19:53.270 a program that if you apply to one or two.

NOTE Confidence: 0.89031756

02:19:53.270 --> 02:19:54.800 So that kind of makes sense.

NOTE Confidence: 0.89031756

02:19:54.800 --> 02:19:56.915 But you have to consider the cost of applying

NOTE Confidence: 0.89031756

02:19:56.915 --> 02:19:58.895 each program may have an application fee.

NOTE Confidence: 0.89031756

02:19:58.900 --> 02:20:00.580 You know if you have to do

NOTE Confidence: 0.89031756

02:20:00.580 --> 02:20:01.893 onsite interviews and you get

NOTE Confidence: 0.89031756

02:20:01.893 --> 02:20:03.507 interviews at four or five schools,

NOTE Confidence: 0.89031756

02:20:03.510 --> 02:20:04.790 you're going to have to.

NOTE Confidence: 0.89031756

02:20:04.790 --> 02:20:05.510 I don't know.

NOTE Confidence: 0.89031756

02:20:05.510 --> 02:20:06.470 Potentially fly there yourself

NOTE Confidence: 0.89031756

02:20:06.470 --> 02:20:07.600 or drive there yourself.

NOTE Confidence: 0.89031756

02:20:07.600 --> 02:20:09.385 You're going to stay in a hotel,

NOTE Confidence: 0.89031756

02:20:09.390 --> 02:20:11.266 you know there there can be waivers.

NOTE Confidence: 0.89031756

02:20:11.270 --> 02:20:12.650 For things like application fees,

NOTE Confidence: 0.89031756

02:20:12.650 --> 02:20:14.746 but there's generally not a whole lot of

NOTE Confidence: 0.89031756

02:20:14.746 --> 02:20:16.498 support sometimes for the interview process,

NOTE Confidence: 0.89031756

02:20:16.500 --> 02:20:19.720 so so be sure to factor that in when you're

NOTE Confidence: 0.89031756

02:20:19.800 --> 02:20:23.096 thinking about how many schools to apply to.

NOTE Confidence: 0.89031756

02:20:23.100 --> 02:20:24.755 So what are the requirements

NOTE Confidence: 0.89031756

02:20:24.755 --> 02:20:25.417 for applications?

NOTE Confidence: 0.89031756

02:20:25.420 --> 02:20:26.416 Like I said,

NOTE Confidence: 0.89031756

02:20:26.416 --> 02:20:28.408 they're going to be very similar,

NOTE Confidence: 0.89031756

02:20:28.410 --> 02:20:30.070 but you know slightly different

NOTE Confidence: 0.89031756

02:20:30.070 --> 02:20:31.026 between between programs.

NOTE Confidence: 0.89031756

02:20:31.026 --> 02:20:32.904 You're generally going to have to

NOTE Confidence: 0.89031756

02:20:32.904 --> 02:20:34.720 have some coursework in biology,

NOTE Confidence: 0.89031756

02:20:34.720 --> 02:20:35.716 chemistry, genetics, statistics,

NOTE Confidence: 0.89031756

02:20:35.716 --> 02:20:36.048 psych,

NOTE Confidence: 0.89031756

02:20:36.048 --> 02:20:36.380 something.

NOTE Confidence: 0.89031756

02:20:36.380 --> 02:20:37.708 I generally tell potential

NOTE Confidence: 0.89031756

02:20:37.708 --> 02:20:39.700 applicants is at AP courses will

NOTE Confidence: 0.89031756

02:20:39.700 --> 02:20:41.362 typically not fulfill these credits,

NOTE Confidence: 0.89031756

02:20:41.362 --> 02:20:43.348 so if you took like AP,

NOTE Confidence: 0.89031756

02:20:43.350 --> 02:20:44.313 Psych in college,

NOTE Confidence: 0.89031756

02:20:44.313 --> 02:20:47.306 I mean in high school and you got to

NOTE Confidence: 0.89031756

02:20:47.306 --> 02:20:49.986 get out of basic sight classes in college,

NOTE Confidence: 0.89031756

02:20:49.990 --> 02:20:52.646 and you have not taken an upper level

NOTE Confidence: 0.89031756

02:20:52.650 --> 02:20:54.588 site class in college beyond that.

NOTE Confidence: 0.89031756

02:20:54.588 --> 02:20:56.800 Then you might not meet the requirement

NOTE Confidence: 0.89031756

02:20:56.860 --> 02:20:58.756 for a graduate program that requires

NOTE Confidence: 0.83537096

02:20:58.760 --> 02:20:59.684 college level psychology.

NOTE Confidence: 0.83537096

02:20:59.684 --> 02:21:01.830 So just a word wise, you know,

NOTE Confidence: 0.83537096

02:21:01.830 --> 02:21:03.054 just think about the

NOTE Confidence: 0.83537096

02:21:03.054 --> 02:21:04.584 courses you may have taken.

NOTE Confidence: 0.83537096

02:21:04.590 --> 02:21:07.254 That or AP, and have you taken any

NOTE Confidence: 0.83537096

02:21:07.254 --> 02:21:08.674 additional courses within that

NOTE Confidence: 0.83537096

02:21:08.674 --> 02:21:10.744 topic while at while in college.

NOTE Confidence: 0.83537096

02:21:10.750 --> 02:21:13.238 The Jerry's or something that is starting to

NOTE Confidence: 0.8445341

02:21:13.240 --> 02:21:14.170 become less of

NOTE Confidence: 0.8445341

02:21:14.170 --> 02:21:16.350 a requirement for many programs, but some

NOTE Confidence: 0.8445341

02:21:16.350 --> 02:21:18.734 still do, so I put it on here

NOTE Confidence: 0.8445341

02:21:18.734 --> 02:21:20.703 because you know, if you're going

NOTE Confidence: 0.8445341

02:21:20.703 --> 02:21:22.569 to be applying to 678 programs,

NOTE Confidence: 0.8445341

02:21:22.570 --> 02:21:24.761 you were likely going to encounter a

NOTE Confidence: 0.8445341

02:21:24.761 --> 02:21:26.920 program that's going to require the Jerry.

NOTE Confidence: 0.8445341

02:21:26.920 --> 02:21:28.475 So to start thinking about

NOTE Confidence: 0.8445341

02:21:28.475 --> 02:21:29.408 that language requirements.

NOTE Confidence: 0.8445341

02:21:29.410 --> 02:21:31.276 This could vary widely between universities,

NOTE Confidence: 0.8445341

02:21:31.280 --> 02:21:33.464 but generally you're going to have to have

NOTE Confidence: 0.8445341

02:21:33.464 --> 02:21:35.806 some type of evidence of proficiency in

NOTE Confidence: 0.8445341

02:21:35.806 --> 02:21:37.810 the English language transcripts and GPA,

NOTE Confidence: 0.8445341

02:21:37.810 --> 02:21:40.600 so a lot of people tend to ask me

NOTE Confidence: 0.8445341

02:21:40.600 --> 02:21:43.230 about GPA and how important it is.

NOTE Confidence: 0.8445341

02:21:43.230 --> 02:21:44.530 There are some programs that

NOTE Confidence: 0.8445341

02:21:44.530 --> 02:21:46.212 have GPA minimums or ranges that

NOTE Confidence: 0.8445341

02:21:46.212 --> 02:21:47.548 they typically accept students,

NOTE Confidence: 0.8445341

02:21:47.550 --> 02:21:49.926 and you know a lot can happen in college

NOTE Confidence: 0.8445341

02:21:49.926 --> 02:21:52.312 and a lot of people are usually kind

NOTE Confidence: 0.8445341

02:21:52.312 --> 02:21:54.458 of finding their own legs in college,

NOTE Confidence: 0.8445341

02:21:54.460 --> 02:21:55.978 and so sometimes their GPA is

NOTE Confidence: 0.8445341

02:21:55.978 --> 02:21:57.390 not always reflective of their

NOTE Confidence: 0.8445341

02:21:57.390 --> 02:21:58.778 motivation for Graduate School.

NOTE Confidence: 0.8445341

02:21:58.780 --> 02:22:01.252 Or maybe you've taken a lot of classes

NOTE Confidence: 0.8445341

02:22:01.252 --> 02:22:03.281 and things that really didn't interest

NOTE Confidence: 0.8445341

02:22:03.281 --> 02:22:06.048 you as much so you didn't do as well.

NOTE Confidence: 0.8445341

02:22:06.050 --> 02:22:08.730 There are ways to help realign your GPA.

NOTE Confidence: 0.8445341

02:22:08.730 --> 02:22:11.080 There are ways to kind of spend

NOTE Confidence: 0.8445341

02:22:11.080 --> 02:22:13.760 this a little bit I put in here.

NOTE Confidence: 0.8445341

02:22:13.760 --> 02:22:15.965 This is my shameless plug of the

NOTE Confidence: 0.8445341

02:22:15.965 --> 02:22:17.690 clinical genetics on line grad

NOTE Confidence: 0.8445341

02:22:17.690 --> 02:22:19.118 certificate that you come.

NOTE Confidence: 0.8445341

02:22:19.120 --> 02:22:20.790 So I started grad certificate.

NOTE Confidence: 0.8445341

02:22:20.790 --> 02:22:22.465 Kind of for folks that

NOTE Confidence: 0.8445341

02:22:22.465 --> 02:22:23.805 fit into this category.

NOTE Confidence: 0.8445341

02:22:23.810 --> 02:22:25.820 Maybe they have a decent GPA,

NOTE Confidence: 0.8445341

02:22:25.820 --> 02:22:27.160 but it's nothing spectacular.

NOTE Confidence: 0.8445341

02:22:27.160 --> 02:22:29.165 You know? Ioffer a four course.

NOTE Confidence: 0.8445341

02:22:29.165 --> 02:22:30.842 It's done in two semesters.

NOTE Confidence: 0.8445341

02:22:30.842 --> 02:22:31.850 It's all online,

NOTE Confidence: 0.8445341

02:22:31.850 --> 02:22:32.855 asynchronous in clinical

NOTE Confidence: 0.8445341

02:22:32.855 --> 02:22:33.860 genetics and genomics,

NOTE Confidence: 0.8445341

02:22:33.860 --> 02:22:35.948 So what better way to show

NOTE Confidence: 0.8445341

02:22:35.948 --> 02:22:36.992 a potential graduate?

NOTE Confidence: 0.8445341

02:22:37.000 --> 02:22:38.920 Program and genetic counseling that you

NOTE Confidence: 0.8445341

02:22:38.920 --> 02:22:40.624 could handle graduate level coursework

NOTE Confidence: 0.8445341

02:22:40.624 --> 02:22:42.459 and clinical genetics and genomics.

NOTE Confidence: 0.8445341

02:22:42.460 --> 02:22:43.965 Then taking some classes in same here.

NOTE Confidence: 0.8445341

02:22:43.970 --> 02:22:45.570 I did really well in these or this

NOTE Confidence: 0.8445341

02:22:45.570 --> 02:22:47.209 is when this is in my wheelhouse.

NOTE Confidence: 0.8445341

02:22:47.210 --> 02:22:48.906 This is how I do this is a

NOTE Confidence: 0.8445341

02:22:48.906 --> 02:22:50.020 reflection of how I learn.

NOTE Confidence: 0.8445341

02:22:50.020 --> 02:22:51.833 So you go to the website if

NOTE Confidence: 0.8445341

02:22:51.833 --> 02:22:53.480 you want to take a peek.

NOTE Confidence: 0.8445341

02:22:53.480 --> 02:22:55.508 You're gonna need letters of recommendation,

NOTE Confidence: 0.8445341

02:22:55.510 --> 02:22:58.770 at least, probably about 3.

NOTE Confidence: 0.8445341

02:22:58.770 --> 02:23:00.600 They should be pretty well rounded.

NOTE Confidence: 0.8445341

02:23:00.600 --> 02:23:02.434 They should be from people who can

NOTE Confidence: 0.8445341

02:23:02.434 --> 02:23:04.259 speak to your academic problems.

NOTE Confidence: 0.8445341

02:23:04.260 --> 02:23:06.102 They can speak to your ability

NOTE Confidence: 0.8445341

02:23:06.102 --> 02:23:07.620 to wear your counseling hat.

NOTE Confidence: 0.8445341

02:23:07.620 --> 02:23:09.450 They should speak to your character.

NOTE Confidence: 0.8445341

02:23:09.450 --> 02:23:10.970 Try to refrain from you.

NOTE Confidence: 0.8445341

02:23:10.970 --> 02:23:12.800 Know family, friends, things like that.

NOTE Confidence: 0.8445341

02:23:12.800 --> 02:23:14.630 It should be much more professional,

NOTE Confidence: 0.8445341

02:23:14.630 --> 02:23:17.070 but it's better to have more than less.

NOTE Confidence: 0.8445341

02:23:17.070 --> 02:23:18.940 So personal statement is something

NOTE Confidence: 0.8445341

02:23:18.940 --> 02:23:21.169 that usually is something I get

NOTE Confidence: 0.8445341

02:23:21.169 --> 02:23:22.629 a lot of questions about.

NOTE Confidence: 0.8445341

02:23:22.630 --> 02:23:24.630 And I will say that it's not always

NOTE Confidence: 0.8445341

02:23:24.630 --> 02:23:26.450 the funnest part of the application.

NOTE Confidence: 0.8445341

02:23:26.450 --> 02:23:26.722 Process.

NOTE Confidence: 0.8445341

02:23:26.722 --> 02:23:28.299 Is writing a personal statement like

NOTE Confidence: 0.8445341

02:23:28.299 --> 02:23:30.379 why I want to be a genetic counselor

NOTE Confidence: 0.8445341

02:23:30.379 --> 02:23:32.403 101 but it is critical this is your

NOTE Confidence: 0.8445341

02:23:32.403 --> 02:23:34.639 time to be different from other applicants.

NOTE Confidence: 0.8445341

02:23:34.640 --> 02:23:36.845 This is the time to tell them how you

NOTE Confidence: 0.8445341

02:23:36.845 --> 02:23:39.008 are unique and how amazing you are.

NOTE Confidence: 0.8445341

02:23:39.010 --> 02:23:40.654 I personally have never been very

NOTE Confidence: 0.8445341

02:23:40.654 --> 02:23:42.290 good at writing essays like that,

NOTE Confidence: 0.8445341

02:23:42.290 --> 02:23:44.196 so I enlisted the help of some

NOTE Confidence: 0.8445341

02:23:44.196 --> 02:23:46.374 editors you know. So I wrote my Nan.

NOTE Confidence: 0.8445341

02:23:46.380 --> 02:23:48.305 I sent it off to have someone

NOTE Confidence: 0.8445341

02:23:48.305 --> 02:23:49.130 edit it and

NOTE Confidence: 0.8646686

02:23:49.204 --> 02:23:50.746 look at it and be like,

NOTE Confidence: 0.8646686

02:23:50.750 --> 02:23:52.420 oh I don't understand what

NOTE Confidence: 0.8646686

02:23:52.420 --> 02:23:53.756 you're talking about here.

NOTE Confidence: 0.8646686

02:23:53.760 --> 02:23:55.578 And then they gave me feedback.

NOTE Confidence: 0.8646686

02:23:55.580 --> 02:23:57.404 Most of you probably belong to

NOTE Confidence: 0.8646686

02:23:57.404 --> 02:23:58.620 universities or institutions or

NOTE Confidence: 0.8646686

02:23:58.677 --> 02:24:00.197 organizations that have some type

NOTE Confidence: 0.8646686

02:24:00.197 --> 02:24:01.970 of writing center or writing lab.

NOTE Confidence: 0.8646686

02:24:01.970 --> 02:24:04.140 So I encourage you to get this

NOTE Confidence: 0.8646686

02:24:04.140 --> 02:24:06.519 looked at by someone other than.

NOTE Confidence: 0.8646686

02:24:06.520 --> 02:24:07.804 Family members and friends.

NOTE Confidence: 0.8646686

02:24:07.804 --> 02:24:09.730 This should be someone who writing

NOTE Confidence: 0.8646686

02:24:09.791 --> 02:24:11.447 is what they do and they can read

NOTE Confidence: 0.8646686

02:24:11.447 --> 02:24:13.227 it for clarity and ensure that

NOTE Confidence: 0.8646686

02:24:13.227 --> 02:24:14.862 you're getting the right message

NOTE Confidence: 0.8646686

02:24:14.862 --> 02:24:17.140 across personal statements matter.

NOTE Confidence: 0.8646686

02:24:17.140 --> 02:24:18.145 Application requirements also

NOTE Confidence: 0.8646686

02:24:18.145 --> 02:24:19.150 include volunteer experience,

NOTE Confidence: 0.8646686

02:24:19.150 --> 02:24:20.493 so it's genetic counseling.

NOTE Confidence: 0.8646686

02:24:20.493 --> 02:24:22.775 So what type of organization or group

NOTE Confidence: 0.8646686

02:24:22.775 --> 02:24:25.143 have you been part of where you

NOTE Confidence: 0.8646686

02:24:25.143 --> 02:24:27.189 could put that counseling hat on?

NOTE Confidence: 0.8646686

02:24:27.190 --> 02:24:29.535 We talk a lot about crisis counseling,

NOTE Confidence: 0.8646686

02:24:29.540 --> 02:24:30.542 there's bereavement counseling,

NOTE Confidence: 0.8646686

02:24:30.542 --> 02:24:31.210 support groups,

NOTE Confidence: 0.8646686

02:24:31.210 --> 02:24:32.890 working with the disability community.

NOTE Confidence: 0.8646686

02:24:32.890 --> 02:24:34.226 There's lots of different

NOTE Confidence: 0.8646686

02:24:34.226 --> 02:24:35.228 opportunities to volunteer,

NOTE Confidence: 0.8646686

02:24:35.230 --> 02:24:36.910 even in times of coping,

NOTE Confidence: 0.8646686

02:24:36.910 --> 02:24:39.082 so I'm always available to help

NOTE Confidence: 0.8646686

02:24:39.082 --> 02:24:41.006 people brainstorm about what would

NOTE Confidence: 0.8646686

02:24:41.006 --> 02:24:42.646 opportunities are out there.

NOTE Confidence: 0.8646686

02:24:42.650 --> 02:24:43.948 And then showing that you've

NOTE Confidence: 0.8646686

02:24:43.948 --> 02:24:45.614 done your due diligence so a lot

NOTE Confidence: 0.8646686

02:24:45.614 --> 02:24:47.170 of people talk about shadowing.

NOTE Confidence: 0.8646686

02:24:47.170 --> 02:24:48.495 I've seen a couple questions

NOTE Confidence: 0.8646686

02:24:48.495 --> 02:24:49.831 come to chat about shadowing.

NOTE Confidence: 0.8646686

02:24:49.831 --> 02:24:50.895 Shadowing is typically not

NOTE Confidence: 0.8646686

02:24:50.895 --> 02:24:51.955 a requirement for programs.

NOTE Confidence: 0.8646686

02:24:51.960 --> 02:24:53.285 It's something that's kind of

NOTE Confidence: 0.8646686

02:24:53.285 --> 02:24:55.149 like icing on top of the cake.

NOTE Confidence: 0.8646686

02:24:55.150 --> 02:24:55.682 You know,

NOTE Confidence: 0.8646686

02:24:55.682 --> 02:24:57.544 it shows that you've done your homework.

NOTE Confidence: 0.8646686

02:24:57.550 --> 02:24:59.244 You know what's involved in a day

NOTE Confidence: 0.8646686

02:24:59.244 --> 02:25:01.270 in the life of a genetic counselor.

NOTE Confidence: 0.8646686

02:25:01.270 --> 02:25:03.398 You know that this is what you understand.

NOTE Confidence: 0.8646686

02:25:03.400 --> 02:25:04.730 A counseling session to be.

NOTE Confidence: 0.8646686

02:25:04.730 --> 02:25:07.115 So if you're not able to shadow a counselor,

NOTE Confidence: 0.8646686

02:25:07.120 --> 02:25:08.975 can you interview one over the phone?

NOTE Confidence: 0.8646686

02:25:08.980 --> 02:25:10.310 Can you talk to one?

NOTE Confidence: 0.8646686

02:25:10.310 --> 02:25:12.929 Can you attend a session like this and SGC?

NOTE Confidence: 0.8646686

02:25:12.930 --> 02:25:14.555 Board and national side genetic

NOTE Confidence: 0.8646686

02:25:14.555 --> 02:25:16.556 counselors has a link that's open

NOTE Confidence: 0.8646686

02:25:16.556 --> 02:25:18.789 to the public for the master Genetic

NOTE Confidence: 0.8646686

02:25:18.789 --> 02:25:20.260 counseling series and basically

NOTE Confidence: 0.8646686

02:25:20.260 --> 02:25:22.185 this shows three simulated genetic

NOTE Confidence: 0.8646686

02:25:22.185 --> 02:25:24.068 counseling sessions in different disciplines.

NOTE Confidence: 0.8646686

02:25:24.068 --> 02:25:26.252 There about 30 minutes apiece and

NOTE Confidence: 0.8646686

02:25:26.252 --> 02:25:28.863 you get to watch them from start to

NOTE Confidence: 0.8646686

02:25:28.863 --> 02:25:31.054 finish and really get a feel for

NOTE Confidence: 0.8646686

02:25:31.054 --> 02:25:33.400 for what happens in in sessions.

NOTE Confidence: 0.8646686

02:25:33.400 --> 02:25:35.488 Trying to keep this moving along.

NOTE Confidence: 0.8646686

02:25:35.490 --> 02:25:39.300 OK, so Step 4 you need to listen to my dad.

NOTE Confidence: 0.8646686

02:25:39.300 --> 02:25:41.729 That's my dad and my son Nicholas.

NOTE Confidence: 0.8646686

02:25:41.730 --> 02:25:44.250 My dad always gave great great advice.

NOTE Confidence: 0.8646686

02:25:44.250 --> 02:25:45.678 And he always said to me,

NOTE Confidence: 0.8646686

02:25:45.680 --> 02:25:47.108 a good job is worth doing.

NOTE Confidence: 0.8646686

02:25:47.110 --> 02:25:48.062 It's worth doing right?

NOTE Confidence: 0.8646686

02:25:48.062 --> 02:25:49.490 So don't halfass anything when it

NOTE Confidence: 0.8646686

02:25:49.532 --> 02:25:50.906 comes to this application at all.

NOTE Confidence: 0.8646686

02:25:50.910 --> 02:25:51.143 Really,

NOTE Confidence: 0.8646686

02:25:51.143 --> 02:25:53.007 what you need to do is have everything

NOTE Confidence: 0.8646686

02:25:53.007 --> 02:25:54.208 be very, very, very purposeful,

NOTE Confidence: 0.8646686

02:25:54.208 --> 02:25:56.094 and if right now is the time at

NOTE Confidence: 0.8646686

02:25:56.094 --> 02:25:57.098 which you're saying, hey,

NOTE Confidence: 0.8646686

02:25:57.098 --> 02:25:58.764 I want to be a genetic counselor,

NOTE Confidence: 0.8646686

02:25:58.770 --> 02:26:00.429 I want to go to grad school.

NOTE Confidence: 0.8646686

02:26:00.430 --> 02:26:02.390 I want to be on track for this

NOTE Confidence: 0.8646686

02:26:02.390 --> 02:26:04.001 and everything you have to do has

NOTE Confidence: 0.8646686

02:26:04.001 --> 02:26:05.670 to kind of roll into that goal.

NOTE Confidence: 0.8646686

02:26:05.670 --> 02:26:07.336 So if you're going to look for

NOTE Confidence: 0.8646686

02:26:07.336 --> 02:26:08.050 a volunteer opportunity,

NOTE Confidence: 0.8646686

02:26:08.050 --> 02:26:09.478 make it related to genetic counseling.

NOTE Confidence: 0.8646686

02:26:09.480 --> 02:26:11.376 If you're going to get a summer job,

NOTE Confidence: 0.8646686

02:26:11.380 --> 02:26:12.530 make it something that's useful

NOTE Confidence: 0.8646686

02:26:12.530 --> 02:26:13.966 or helpful to meeting that goal

NOTE Confidence: 0.8646686

02:26:13.966 --> 02:26:15.186 of becoming a genetic counselor.

NOTE Confidence: 0.83773416

02:26:16.700 --> 02:26:17.870 So a little bit of

NOTE Confidence: 0.83773416

02:26:17.870 --> 02:26:18.786 kind of random information,

NOTE Confidence: 0.83773416

02:26:18.786 --> 02:26:20.440 and I did see something in the

NOTE Confidence: 0.83773416

02:26:20.440 --> 02:26:21.605 chat come through about this.

NOTE Confidence: 0.83773416

02:26:21.610 --> 02:26:23.020 Taking a year off or two.

NOTE Confidence: 0.83773416

02:26:23.020 --> 02:26:24.884 Like, what do you think about gap year?

NOTE Confidence: 0.83773416

02:26:24.890 --> 02:26:27.068 So I think students have a lot of fears

NOTE Confidence: 0.83773416

02:26:27.068 --> 02:26:28.869 about a gap year in terms of like,

NOTE Confidence: 0.83773416

02:26:28.870 --> 02:26:30.515 oh, how's it going to be viewed

NOTE Confidence: 0.83773416

02:26:30.515 --> 02:26:32.145 if I take a year off? No?

NOTE Confidence: 0.83773416

02:26:32.145 --> 02:26:33.778 I mean applicants who take gap years

NOTE Confidence: 0.83773416

02:26:33.780 --> 02:26:34.720 actually being pretty favorably,

NOTE Confidence: 0.83773416

02:26:34.720 --> 02:26:35.889 you know, depending on what

NOTE Confidence: 0.83773416

02:26:35.889 --> 02:26:37.287 you do with that gap year,

NOTE Confidence: 0.83773416

02:26:37.290 --> 02:26:37.914 maybe you work,

NOTE Confidence: 0.83773416

02:26:37.914 --> 02:26:39.162 so you're going to become a

NOTE Confidence: 0.83773416

02:26:39.162 --> 02:26:40.329 little bit more professional.

NOTE Confidence: 0.83773416

02:26:40.330 --> 02:26:41.716 You're going to have a little bit

NOTE Confidence: 0.83773416

02:26:41.716 --> 02:26:43.378 more of a professional work ethic,

NOTE Confidence: 0.83773416

02:26:43.378 --> 02:26:45.256 and it all depends on how you.

NOTE Confidence: 0.83773416

02:26:45.256 --> 02:26:47.390 What you're doing in that gap year,

NOTE Confidence: 0.83773416

02:26:47.390 --> 02:26:49.390 but I think if your purpose is to

NOTE Confidence: 0.83773416

02:26:49.390 --> 02:26:50.640 prepare yourself for grad school,

NOTE Confidence: 0.83773416

02:26:50.640 --> 02:26:52.385 this is not a negative on

NOTE Confidence: 0.83773416

02:26:52.385 --> 02:26:53.870 a resume whatsoever.

NOTE Confidence: 0.83773416

02:26:53.870 --> 02:26:55.814 If you didn't get accepted to a program,

NOTE Confidence: 0.83773416

02:26:55.820 --> 02:26:56.370 seek feedback.

NOTE Confidence: 0.83773416

02:26:56.370 --> 02:26:58.295 So if you went through this application

NOTE Confidence: 0.83773416

02:26:58.295 --> 02:26:59.995 process and you don't match where you

NOTE Confidence: 0.83773416

02:26:59.995 --> 02:27:01.834 don't get an interview or you do get

NOTE Confidence: 0.83773416

02:27:01.834 --> 02:27:03.136 an interview but don't get matched,

NOTE Confidence: 0.83773416

02:27:03.140 --> 02:27:04.876 you know either way you should be

NOTE Confidence: 0.83773416

02:27:04.876 --> 02:27:06.139 calling the program Director after

NOTE Confidence: 0.83773416

02:27:06.139 --> 02:27:07.777 Match Time is over to say hey,

NOTE Confidence: 0.83773416

02:27:07.780 --> 02:27:09.452 what can I do is as an applicant

NOTE Confidence: 0.83773416

02:27:09.452 --> 02:27:10.709 you saw my application,

NOTE Confidence: 0.83773416

02:27:10.710 --> 02:27:12.404 where were the gaps where the holes?

NOTE Confidence: 0.83773416

02:27:12.410 --> 02:27:13.712 It could be something that you

NOTE Confidence: 0.83773416

02:27:13.712 --> 02:27:15.176 have no idea about your personal

NOTE Confidence: 0.83773416

02:27:15.176 --> 02:27:16.808 statement you may think is garbage,

NOTE Confidence: 0.83773416

02:27:16.810 --> 02:27:18.268 but they may think is amazing,

NOTE Confidence: 0.83773416

02:27:18.270 --> 02:27:20.214 but you had a 3.1 GPA instead of,

NOTE Confidence: 0.83773416

02:27:20.220 --> 02:27:21.440 you know something that they

NOTE Confidence: 0.83773416

02:27:21.440 --> 02:27:22.416 were more looking for,

NOTE Confidence: 0.83773416

02:27:22.420 --> 02:27:23.884 so it might not be something

NOTE Confidence: 0.83773416

02:27:23.884 --> 02:27:24.860 that's on your radar.

NOTE Confidence: 0.83773416

02:27:24.860 --> 02:27:27.640 So definitely get back.

NOTE Confidence: 0.83773416

02:27:27.640 --> 02:27:28.564 Familiarize yourself with the

NOTE Confidence: 0.83773416

02:27:28.564 --> 02:27:29.950 profession we talked about that we

NOTE Confidence: 0.83773416

02:27:29.991 --> 02:27:31.527 talked about going to nscc.org read

NOTE Confidence: 0.83773416

02:27:31.527 --> 02:27:32.551 some genetic counseling literature,

NOTE Confidence: 0.83773416

02:27:32.560 --> 02:27:34.036 watch the master Genetic counseling series.

NOTE Confidence: 0.83773416

02:27:34.040 --> 02:27:35.666 All of these show programs that

NOTE Confidence: 0.83773416

02:27:35.666 --> 02:27:37.205 you're invested and that this is

NOTE Confidence: 0.83773416

02:27:37.205 --> 02:27:38.829 the career that you want to do and

NOTE Confidence: 0.83773416

02:27:38.881 --> 02:27:40.429 try and visit programs you know.

NOTE Confidence: 0.83773416

02:27:40.430 --> 02:27:41.665 COVID aside, if you could,

NOTE Confidence: 0.83773416

02:27:41.665 --> 02:27:42.890 I think things are starting

NOTE Confidence: 0.83773416

02:27:42.890 --> 02:27:44.605 to open up a little bit more.

NOTE Confidence: 0.83773416

02:27:44.610 --> 02:27:47.070 You may be able to do some things in person,

NOTE Confidence: 0.83773416

02:27:47.070 --> 02:27:47.883 but if not,

NOTE Confidence: 0.83773416

02:27:47.883 --> 02:27:50.432 make a phone call and make a zoom

NOTE Confidence: 0.83773416

02:27:50.432 --> 02:27:52.440 appointment. And you can do this.

NOTE Confidence: 0.83773416

02:27:52.440 --> 02:27:53.292 It's not impossible.

NOTE Confidence: 0.83773416

02:27:53.292 --> 02:27:54.996 I know we talk about it.

NOTE Confidence: 0.83773416

02:27:55.000 --> 02:27:57.280 It's a huge process and a big endeavor.

NOTE Confidence: 0.83773416

02:27:57.280 --> 02:27:58.135 But it's possible.

NOTE Confidence: 0.83773416

02:27:58.135 --> 02:27:59.845 Awesome speakers have gone through this.

NOTE Confidence: 0.83773416

02:27:59.850 --> 02:28:00.990 We understand and empathize

NOTE Confidence: 0.83773416

02:28:00.990 --> 02:28:02.130 completely with this process.

NOTE Confidence: 0.83773416

02:28:02.130 --> 02:28:03.840 So please try to stay positive.

NOTE Confidence: 0.83773416

02:28:03.840 --> 02:28:06.120 Connect with us if you need any assistance.

NOTE Confidence: 0.83773416

02:28:06.120 --> 02:28:09.438 Work hard and you'll make it happen.

NOTE Confidence: 0.83773416

02:28:09.440 --> 02:28:11.218 If you have questions, here's my email.

NOTE Confidence: 0.83773416

02:28:11.220 --> 02:28:12.236 I'm also available during

NOTE Confidence: 0.83773416

02:28:12.236 --> 02:28:13.760 the Q&A session at the end.

NOTE Confidence: 0.83773416

02:28:13.760 --> 02:28:15.700 If you have time for that,

NOTE Confidence: 0.83773416

02:28:15.700 --> 02:28:16.165 alright?

NOTE Confidence: 0.83773416

02:28:16.165 --> 02:28:19.150 Hopefully it'll take up too much time.

NOTE Confidence: 0.83773416

02:28:19.150 --> 02:28:20.630 I'm gonna stop sharing now.

NOTE Confidence: 0.8389504

02:28:24.520 --> 02:28:25.981 That that was great, Maria.

NOTE Confidence: 0.8389504

02:28:25.981 --> 02:28:27.920 I think you've got a lot of

NOTE Confidence: 0.8389504

02:28:27.987 --> 02:28:29.220 questions coming in.

NOTE Confidence: 0.8389504

02:28:29.220 --> 02:28:31.708 I'm afraid I won't be able to pose

NOTE Confidence: 0.8389504

02:28:31.708 --> 02:28:34.219 them all to you live, but if you

NOTE Confidence: 0.8389504

02:28:34.219 --> 02:28:36.097 want to ruminate on those coloring,

NOTE Confidence: 0.8389504

02:28:36.100 --> 02:28:38.284 I'll let you take it from here.

NOTE Confidence: 0.93150884

02:28:40.920 --> 02:28:42.460 OK, can you hear me?

NOTE Confidence: 0.93150884

02:28:42.460 --> 02:28:45.590 Can you see? Yeah, OK great.

NOTE Confidence: 0.93150884

02:28:45.590 --> 02:28:47.720 So my name is Colleen Doherty.

NOTE Confidence: 0.93150884

02:28:47.720 --> 02:28:50.042 I am the assistant program director

NOTE Confidence: 0.93150884

02:28:50.042 --> 02:28:52.332 and the clinical coordinator for the

NOTE Confidence: 0.93150884

02:28:52.332 --> 02:28:54.366 Bay Path University Master of Science

NOTE Confidence: 0.93150884

02:28:54.366 --> 02:28:56.071 in Genetic Counseling Program and

NOTE Confidence: 0.93150884

02:28:56.071 --> 02:28:58.722 I'm here today to talk to you about

NOTE Confidence: 0.93150884

02:28:58.722 --> 02:29:00.835 is Maria just went through like

NOTE Confidence: 0.93150884

02:29:00.835 --> 02:29:03.714 how to pick a program and you go

NOTE Confidence: 0.93150884

02:29:03.714 --> 02:29:05.820 through that match process and you

NOTE Confidence: 0.93150884

02:29:05.820 --> 02:29:07.600 know congratulations now you match.

NOTE Confidence: 0.93150884

02:29:07.600 --> 02:29:10.216 Now, what like what are you going to

NOTE Confidence: 0.93150884

02:29:10.216 --> 02:29:12.917 expect once you get into Graduate School?

NOTE Confidence: 0.93150884

02:29:12.920 --> 02:29:15.848 And while I am representative of Bay Path?

NOTE Confidence: 0.93150884

02:29:15.850 --> 02:29:18.307 And we are one of those online

NOTE Confidence: 0.93150884

02:29:18.307 --> 02:29:20.930 programs which I think was a question

NOTE Confidence: 0.93150884

02:29:20.930 --> 02:29:23.400 that was asked along the side of

NOTE Confidence: 0.93150884

02:29:23.400 --> 02:29:24.950 a path in Boise State.

NOTE Confidence: 0.93150884

02:29:24.950 --> 02:29:27.750 Most of the other programs are on ground.

NOTE Confidence: 0.93150884

02:29:27.750 --> 02:29:30.284 I am going to try and represent

NOTE Confidence: 0.93150884

02:29:30.284 --> 02:29:32.298 all programs as best I can.

NOTE Confidence: 0.87771106

02:29:34.530 --> 02:29:36.882 So the first part about when

NOTE Confidence: 0.87771106

02:29:36.882 --> 02:29:38.837 you get into grad school,

NOTE Confidence: 0.87771106

02:29:38.840 --> 02:29:41.186 you know when you have applied,

NOTE Confidence: 0.87771106

02:29:41.190 --> 02:29:43.936 you get in some of you have

NOTE Confidence: 0.87771106

02:29:43.936 --> 02:29:45.900 asked about that summer before.

NOTE Confidence: 0.87771106

02:29:45.900 --> 02:29:47.982 There are some prerequisites that

NOTE Confidence: 0.87771106

02:29:47.982 --> 02:29:50.907 programs will allow you to take in

NOTE Confidence: 0.87771106

02:29:50.907 --> 02:29:52.956 the summer prior to matriculate ING.

NOTE Confidence: 0.87771106

02:29:52.956 --> 02:29:55.732 I know that we accept students without

NOTE Confidence: 0.87771106

02:29:55.732 --> 02:29:57.660 having the Embryology prerequisite done,

NOTE Confidence: 0.87771106

02:29:57.660 --> 02:30:01.580 and we allow them to take it over the summer,

NOTE Confidence: 0.87771106

02:30:01.580 --> 02:30:03.701 knowing that it must be

NOTE Confidence: 0.87771106

02:30:03.701 --> 02:30:05.489 completed prior to matriculation.

NOTE Confidence: 0.87771106

02:30:05.490 --> 02:30:07.030 Every program is going to

NOTE Confidence: 0.87771106

02:30:07.030 --> 02:30:08.530 be different in that regard,

NOTE Confidence: 0.87771106

02:30:08.530 --> 02:30:10.850 so I don't think we can answer that

NOTE Confidence: 0.87771106

02:30:10.910 --> 02:30:13.164 question for everyone and you just have

NOTE Confidence: 0.87771106

02:30:13.164 --> 02:30:15.344 to reach out to each individual program.

NOTE Confidence: 0.87771106

02:30:15.344 --> 02:30:17.493 But once you start in a program,

NOTE Confidence: 0.87771106

02:30:17.500 --> 02:30:19.649 there's the one aspect of the program

NOTE Confidence: 0.87771106

02:30:19.649 --> 02:30:21.194 will be the didactic education.

NOTE Confidence: 0.87771106

02:30:21.194 --> 02:30:24.122 And So what I mean by this are the actual

NOTE Confidence: 0.87771106

02:30:24.122 --> 02:30:26.122 courses that you're going to take.

NOTE Confidence: 0.87771106

02:30:26.122 --> 02:30:28.416 So what kind of curriculum can you

NOTE Confidence: 0.87771106

02:30:28.416 --> 02:30:31.008 expect when you get to a program face

NOTE Confidence: 0.87771106

02:30:31.008 --> 02:30:33.518 to face or on line whichever way it is,

NOTE Confidence: 0.87771106

02:30:33.520 --> 02:30:34.820 whatever modality is used,

NOTE Confidence: 0.87771106

02:30:34.820 --> 02:30:36.120 you should be getting.

NOTE Confidence: 0.87771106

02:30:36.120 --> 02:30:37.828 Courses in Human Genetics

NOTE Confidence: 0.87771106

02:30:37.830 --> 02:30:39.106 and genetic counseling.

NOTE Confidence: 0.87771106

02:30:39.106 --> 02:30:40.390 Biochemical metabolic genetics,

NOTE Confidence: 0.87771106

02:30:40.390 --> 02:30:41.686 cytogenetics, and molecular.

NOTE Confidence: 0.87771106

02:30:41.686 --> 02:30:44.284 There's been a lot of questions

NOTE Confidence: 0.87771106

02:30:44.284 --> 02:30:46.404 about statistics and risk assessment

NOTE Confidence: 0.87771106

02:30:46.404 --> 02:30:48.932 and that that should all be

NOTE Confidence: 0.87771106

02:30:48.932 --> 02:30:51.488 included in these courses as well.

NOTE Confidence: 0.84045136

02:30:52.900 --> 02:30:54.490 Most programs, even if you

NOTE Confidence: 0.84045136

02:30:54.490 --> 02:30:57.026 have to have an Embryology as a prerequisite,

NOTE Confidence: 0.84045136

02:30:57.030 --> 02:30:59.256 will do some more Embryology and teratology.

NOTE Confidence: 0.84045136

02:30:59.260 --> 02:31:01.168 Gee, they'll be research methods courses.

NOTE Confidence: 0.84045136

02:31:01.170 --> 02:31:03.078 These also can include the statistics,

NOTE Confidence: 0.84045136

02:31:03.080 --> 02:31:05.472 and I'm only bringing that up because

NOTE Confidence: 0.84045136

02:31:05.472 --> 02:31:08.090 I did see that come through quite

NOTE Confidence: 0.84045136

02:31:08.173 --> 02:31:10.742 a few times in the question and

NOTE Confidence: 0.84045136

02:31:10.742 --> 02:31:13.219 answer about the the math portion.

NOTE Confidence: 0.84045136

02:31:13.220 --> 02:31:15.638 You might have an evidence based

NOTE Confidence: 0.84045136

02:31:15.638 --> 02:31:18.275 medicine course, so this will be to

NOTE Confidence: 0.84045136

02:31:18.275 --> 02:31:20.900 help instruct you into your capstone.

NOTE Confidence: 0.84045136

02:31:20.900 --> 02:31:23.319 Will get to that as well,

NOTE Confidence: 0.84045136

02:31:23.319 --> 02:31:24.528 but many programs,

NOTE Confidence: 0.84045136

02:31:24.530 --> 02:31:27.668 most programs require some kind of

NOTE Confidence: 0.84045136

02:31:27.668 --> 02:31:30.510 research product or Capstone product.

NOTE Confidence: 0.84045136

02:31:30.510 --> 02:31:33.043 And then there are usually some

NOTE Confidence: 0.84045136

02:31:33.043 --> 02:31:35.150 very specific courses on kind

NOTE Confidence: 0.84045136

02:31:35.150 --> 02:31:37.680 of the more the larger scope.

NOTE Confidence: 0.84045136

02:31:37.680 --> 02:31:39.368 Genetic counseling specialties such

NOTE Confidence: 0.84045136

02:31:39.368 --> 02:31:41.060 as reproductive genetics, cancer,

NOTE Confidence: 0.84045136

02:31:41.060 --> 02:31:43.124 genetics and then medical genetics,

NOTE Confidence: 0.84045136

02:31:43.124 --> 02:31:45.179 which encompases oftentimes the metabolic

NOTE Confidence: 0.84045136

02:31:45.179 --> 02:31:49.150 and biochemical genetics as well.

NOTE Confidence: 0.84045136

02:31:49.150 --> 02:31:52.094 Some of the other courses that you can

NOTE Confidence: 0.84045136

02:31:52.094 --> 02:31:54.824 expect to have in a didactic manner

NOTE Confidence: 0.84045136

02:31:54.824 --> 02:31:56.794 will be your psychosocial courses,

NOTE Confidence: 0.84045136

02:31:56.794 --> 02:31:59.458 so you'll get like ethical legal

NOTE Confidence: 0.84045136

02:31:59.458 --> 02:32:01.828 and social issues in genetic

NOTE Confidence: 0.84045136

02:32:01.828 --> 02:32:03.736 counseling there should be.

NOTE Confidence: 0.84045136

02:32:03.740 --> 02:32:05.162 Several psychology courses,

NOTE Confidence: 0.84045136

02:32:05.162 --> 02:32:08.006 many that deal with the psychology

NOTE Confidence: 0.84045136

02:32:08.006 --> 02:32:10.817 of grief and loss and bereavement.

NOTE Confidence: 0.84045136

02:32:10.820 --> 02:32:12.706 Family dynamics across the

NOTE Confidence: 0.84045136

02:32:12.706 --> 02:32:14.598 lifespan and more importantly,

NOTE Confidence: 0.84045136

02:32:14.600 --> 02:32:16.960 social and cultural awareness courses.

NOTE Confidence: 0.84045136

02:32:16.960 --> 02:32:19.515 A lot of programs will try to

NOTE Confidence: 0.84045136

02:32:19.515 --> 02:32:22.035 thread that kind of conversation

NOTE Confidence: 0.84045136

02:32:22.035 --> 02:32:24.039 throughout your education,

NOTE Confidence: 0.84045136

02:32:24.040 --> 02:32:27.032 but some programs also have a

NOTE Confidence: 0.84045136

02:32:27.032 --> 02:32:30.824 specific course on this as well.

NOTE Confidence: 0.84045136

02:32:30.830 --> 02:32:33.460 Some of the other.

NOTE Confidence: 0.84045136

02:32:33.460 --> 02:32:35.330 Didactic or curriculum areas that

NOTE Confidence: 0.84045136

02:32:35.330 --> 02:32:37.642 you might come across are some

NOTE Confidence: 0.84045136

02:32:37.642 --> 02:32:39.886 programs might have you do some

NOTE Confidence: 0.84045136

02:32:39.886 --> 02:32:41.520 business or management skills,

NOTE Confidence: 0.84045136

02:32:41.520 --> 02:32:44.490 some discussion on professional issues.

NOTE Confidence: 0.84045136

02:32:44.490 --> 02:32:47.826 How to when I say education and advocacy

NOTE Confidence: 0.84045136

02:32:47.826 --> 02:32:51.155 and public health like how can you

NOTE Confidence: 0.84045136

02:32:51.155 --> 02:32:53.900 participate in the broader spectrum of.

NOTE Confidence: 0.84045136

02:32:53.900 --> 02:32:55.524 Medical training and in

NOTE Confidence: 0.84045136

02:32:55.524 --> 02:32:57.554 in the community as well.

NOTE Confidence: 0.8366234

02:33:00.330 --> 02:33:01.984 Next, after your didactic education,

NOTE Confidence: 0.8366234

02:33:01.984 --> 02:33:03.639 that's how most programs start,

NOTE Confidence: 0.8366234

02:33:03.640 --> 02:33:06.620 and then you kind of move on into while

NOTE Confidence: 0.8366234

02:33:06.620 --> 02:33:08.926 you're doing some of this didactic work,

NOTE Confidence: 0.8366234

02:33:08.926 --> 02:33:11.222 you start doing what we call your

NOTE Confidence: 0.8366234

02:33:11.222 --> 02:33:12.560 clinical field work, rotations,

NOTE Confidence: 0.8366234

02:33:12.560 --> 02:33:14.420 or like which are either patient

NOTE Confidence: 0.8366234

02:33:14.420 --> 02:33:16.220 facing or non patient facing,

NOTE Confidence: 0.8366234

02:33:16.220 --> 02:33:17.870 and you've heard some great

NOTE Confidence: 0.8366234

02:33:17.870 --> 02:33:19.860 discussions on what that encompass is,

NOTE Confidence: 0.8366234

02:33:19.860 --> 02:33:22.497 but I will just quickly do an overview

NOTE Confidence: 0.8366234

02:33:22.497 --> 02:33:24.471 because I do believe some people

NOTE Confidence: 0.8366234

02:33:24.471 --> 02:33:26.485 were wondering like what kind of

NOTE Confidence: 0.8366234

02:33:26.485 --> 02:33:28.800 exposures do you get as a student?

NOTE Confidence: 0.8366234

02:33:28.800 --> 02:33:31.400 And so in clinical.

NOTE Confidence: 0.8366234

02:33:31.400 --> 02:33:34.450 In order to become the just to back up

NOTE Confidence: 0.8771303

02:33:34.450 --> 02:33:36.490 a second in order, the goal

NOTE Confidence: 0.8771303

02:33:36.490 --> 02:33:38.926 is for everybody to be board eligible

NOTE Confidence: 0.8771303

02:33:38.926 --> 02:33:41.005 when they graduate and there are

NOTE Confidence: 0.8771303

02:33:41.005 --> 02:33:42.943 specific standards that must be met

NOTE Confidence: 0.8771303

02:33:42.943 --> 02:33:45.640 in order for a student to graduate to

NOTE Confidence: 0.8771303

02:33:45.640 --> 02:33:48.350 be board eligible and a lot of that

NOTE Confidence: 0.8771303

02:33:48.350 --> 02:33:50.050 involves your clinical patient facing

NOTE Confidence: 0.8771303

02:33:50.050 --> 02:33:52.188 field work and every student has

NOTE Confidence: 0.8771303

02:33:52.188 --> 02:33:54.068 to have 50 participatory encounters

NOTE Confidence: 0.8771303

02:33:54.068 --> 02:33:56.417 that document that they are trying to

NOTE Confidence: 0.8771303

02:33:56.417 --> 02:33:58.609 advance through a very specific set of

NOTE Confidence: 0.8771303

02:33:58.609 --> 02:34:00.591 practice based competency's I know that.

NOTE Confidence: 0.8771303

02:34:00.591 --> 02:34:03.188 Maria and I think in the Q&A

NOTE Confidence: 0.8771303

02:34:03.188 --> 02:34:05.386 I also put the GC education.

NOTE Confidence: 0.8771303

02:34:05.386 --> 02:34:07.198 That's the Accreditation Council of

NOTE Confidence: 0.8771303

02:34:07.200 --> 02:34:09.379 Genetic Counselors website and they list

NOTE Confidence: 0.8771303

02:34:09.379 --> 02:34:11.557 what these practice based competencies are.

NOTE Confidence: 0.8771303

02:34:11.560 --> 02:34:13.380 But students are expected to

NOTE Confidence: 0.8771303

02:34:13.380 --> 02:34:15.552 become proficient in each areas of

NOTE Confidence: 0.8771303

02:34:15.552 --> 02:34:17.008 these practice based competencies,

NOTE Confidence: 0.8771303

02:34:17.010 --> 02:34:19.549 and you do that through a combination

NOTE Confidence: 0.8771303

02:34:19.550 --> 02:34:20.890 of all these things,

NOTE Confidence: 0.8771303

02:34:20.890 --> 02:34:23.500 not the least of which is the

NOTE Confidence: 0.8771303

02:34:23.500 --> 02:34:25.596 clinical field work experiences.

NOTE Confidence: 0.8771303

02:34:25.600 --> 02:34:27.092 So to do that,

NOTE Confidence: 0.8771303

02:34:27.092 --> 02:34:29.650 you have to have these 50 cases

NOTE Confidence: 0.8771303

02:34:29.650 --> 02:34:31.890 and they have to be across all

NOTE Confidence: 0.8771303

02:34:31.890 --> 02:34:34.179 a wide range of specialties.

NOTE Confidence: 0.8771303

02:34:34.180 --> 02:34:36.788 So in most programs will offer three

NOTE Confidence: 0.8771303

02:34:36.788 --> 02:34:38.658 kind of basic rotations clinically.

NOTE Confidence: 0.8771303

02:34:38.660 --> 02:34:40.894 One would be general or pediatric,

NOTE Confidence: 0.8771303

02:34:40.894 --> 02:34:42.382 another would be prenatal

NOTE Confidence: 0.8771303

02:34:42.382 --> 02:34:43.126 reproductive genetics.

NOTE Confidence: 0.8771303

02:34:43.130 --> 02:34:45.368 In a third would be cancer,

NOTE Confidence: 0.8771303

02:34:45.370 --> 02:34:46.862 and you've heard speakers

NOTE Confidence: 0.8771303

02:34:46.862 --> 02:34:48.727 speak on all of those.

NOTE Confidence: 0.8771303

02:34:48.730 --> 02:34:50.585 There's also usually time worked

NOTE Confidence: 0.8771303

02:34:50.585 --> 02:34:52.830 in to carve out some space.

NOTE Confidence: 0.8771303

02:34:52.830 --> 02:34:55.218 If somebody has a specific specialty

NOTE Confidence: 0.8771303

02:34:55.218 --> 02:34:56.810 that they're interested in.

NOTE Confidence: 0.8771303

02:34:56.810 --> 02:34:59.066 And I've listed a few here.

NOTE Confidence: 0.8771303

02:34:59.070 --> 02:35:01.320 You heard Arpita talk about cardiovascular.

NOTE Confidence: 0.8771303

02:35:01.320 --> 02:35:03.576 Many of our students have done

NOTE Confidence: 0.8771303

02:35:03.576 --> 02:35:06.208 rotations with Arpita and have found it

NOTE Confidence: 0.8771303

02:35:06.210 --> 02:35:08.085 extremely helpful in understanding how

NOTE Confidence: 0.8771303

02:35:08.085 --> 02:35:09.585 cardiovascular genetic program works.

NOTE Confidence: 0.8771303

02:35:09.590 --> 02:35:11.100 There could be neurogenetic,

NOTE Confidence: 0.8771303

02:35:11.100 --> 02:35:11.850 ophthamology, psychiatric.

NOTE Confidence: 0.8771303

02:35:11.850 --> 02:35:15.229 Some of those are hard to find an an

NOTE Confidence: 0.8771303

02:35:15.230 --> 02:35:18.037 you know each program is a different

NOTE Confidence: 0.8771303

02:35:18.037 --> 02:35:20.869 exposure and ability to find these for you.

NOTE Confidence: 0.8771303

02:35:20.870 --> 02:35:24.223 So that's something to look at when

NOTE Confidence: 0.8771303

02:35:24.223 --> 02:35:27.320 you're trying to choose a program.

NOTE Confidence: 0.8771303

02:35:27.320 --> 02:35:29.622 You also want to again kind of

NOTE Confidence: 0.8771303

02:35:29.622 --> 02:35:31.560 to combine Maria stock in mind

NOTE Confidence: 0.8771303

02:35:31.633 --> 02:35:33.062 when you're considering this.

NOTE Confidence: 0.8771303

02:35:33.062 --> 02:35:35.766 You wonder how many will be onsite rotations?

NOTE Confidence: 0.8771303

02:35:35.770 --> 02:35:37.120 How many ortelle genetics?

NOTE Confidence: 0.8771303

02:35:37.120 --> 02:35:38.814 How many you simulated patients?

NOTE Confidence: 0.8771303

02:35:38.814 --> 02:35:39.490 And again,

NOTE Confidence: 0.8771303

02:35:39.490 --> 02:35:41.506 we all were Tele Genetics and

NOTE Confidence: 0.8771303

02:35:41.506 --> 02:35:43.210 simulated patients all last year.

NOTE Confidence: 0.8771303

02:35:43.210 --> 02:35:44.562 But that's you know,

NOTE Confidence: 0.8771303

02:35:44.562 --> 02:35:46.590 taking COVID out of it there.

NOTE Confidence: 0.8771303

02:35:46.590 --> 02:35:48.767 There are programs that do a little

NOTE Confidence: 0.8771303

02:35:48.767 --> 02:35:50.980 bit more Tele health than others,

NOTE Confidence: 0.8771303

02:35:50.980 --> 02:35:52.670 and more have on site.

NOTE Confidence: 0.8771303

02:35:52.670 --> 02:35:57.770 And what is going to be work best for you?

NOTE Confidence: 0.8771303

02:35:57.770 --> 02:36:00.142 For non patient facing field work I

NOTE Confidence: 0.8771303

02:36:00.142 --> 02:36:02.260 think that Anthony spoke really well

NOTE Confidence: 0.8771303

02:36:02.331 --> 02:36:05.101 about what it's like to be in a lab setting.

NOTE Confidence: 0.8771303

02:36:05.110 --> 02:36:06.862 We also have students who do

NOTE Confidence: 0.8771303

02:36:06.862 --> 02:36:08.454 lab settings where they're just

NOTE Confidence: 0.8771303

02:36:08.454 --> 02:36:11.440 specifically doing very interpretation.

NOTE Confidence: 0.8771303

02:36:11.440 --> 02:36:14.121 We have some students who can do

NOTE Confidence: 0.8771303

02:36:14.121 --> 02:36:16.203 industry settings such as shadow

NOTE Confidence: 0.8771303

02:36:16.203 --> 02:36:17.496 and Myriad counselor.

NOTE Confidence: 0.8771303

02:36:17.500 --> 02:36:18.308 You know,

NOTE Confidence: 0.8771303

02:36:18.308 --> 02:36:20.330 in a Regional Medical specialist

NOTE Confidence: 0.8771303

02:36:20.330 --> 02:36:22.275 or something like emerging careers

NOTE Confidence: 0.8771303

02:36:22.275 --> 02:36:25.121 where you work with a group at

NOTE Confidence: 0.8771303

02:36:25.121 --> 02:36:26.785 Quest Diagnostics where you

NOTE Confidence: 0.8426003

02:36:26.790 --> 02:36:28.810 can understand where the future

NOTE Confidence: 0.8426003

02:36:28.810 --> 02:36:31.240 might be for an interview. Genetic

NOTE Confidence: 0.8426003

02:36:31.240 --> 02:36:33.240 counselors aware some future ideas

NOTE Confidence: 0.8426003

02:36:33.240 --> 02:36:36.516 might be and and more of a business

NOTE Confidence: 0.8426003

02:36:36.516 --> 02:36:38.516 aspect of genetic counseling and

NOTE Confidence: 0.8426003

02:36:38.516 --> 02:36:40.930 what your career could look like.

NOTE Confidence: 0.86558104

02:36:44.240 --> 02:36:46.238 So third part of a program

NOTE Confidence: 0.86558104

02:36:46.238 --> 02:36:47.898 will be what you know.

NOTE Confidence: 0.86558104

02:36:47.900 --> 02:36:49.965 We have referred to as either a

NOTE Confidence: 0.86558104

02:36:49.965 --> 02:36:51.900 research project or Capstone project.

NOTE Confidence: 0.86558104

02:36:51.900 --> 02:36:53.560 And again I heard somebody.

NOTE Confidence: 0.86558104

02:36:53.560 --> 02:36:55.926 Sorry I read somebody was asking about

NOTE Confidence: 0.86558104

02:36:55.926 --> 02:36:58.261 like how much research is done and

NOTE Confidence: 0.86558104

02:36:58.261 --> 02:37:00.555 and what you do once you graduate.

NOTE Confidence: 0.86558104

02:37:00.555 --> 02:37:02.556 Sometimes is shaped based on what

NOTE Confidence: 0.86558104

02:37:02.556 --> 02:37:04.548 you get interested in in your

NOTE Confidence: 0.86558104

02:37:04.548 --> 02:37:06.546 graduate program but but not always.

NOTE Confidence: 0.86558104

02:37:06.546 --> 02:37:08.530 But every graduate student is going

NOTE Confidence: 0.86558104

02:37:08.530 --> 02:37:10.930 to be required to do some sort

NOTE Confidence: 0.86558104

02:37:10.930 --> 02:37:12.976 of project I have indicated here.

NOTE Confidence: 0.86558104

02:37:12.980 --> 02:37:16.103 A a list of some examples of needs for

NOTE Confidence: 0.86558104

02:37:16.103 --> 02:37:18.448 projects that came out of Bay Path,

NOTE Confidence: 0.86558104

02:37:18.450 --> 02:37:20.844 'cause that's what I have access to.

NOTE Confidence: 0.86558104

02:37:20.850 --> 02:37:21.870 But you know,

NOTE Confidence: 0.86558104

02:37:21.870 --> 02:37:23.880 you can ask whatever program you're

NOTE Confidence: 0.86558104

02:37:23.880 --> 02:37:25.800 interested in on what are their

NOTE Confidence: 0.86558104

02:37:25.800 --> 02:37:28.026 projects of projects, but you know,

NOTE Confidence: 0.86558104

02:37:28.026 --> 02:37:29.394 we've had students investigate

NOTE Confidence: 0.86558104

02:37:29.394 --> 02:37:31.106 some direct to consumer testing,

NOTE Confidence: 0.86558104

02:37:31.106 --> 02:37:33.160 which is a really hot topic.

NOTE Confidence: 0.86558104

02:37:33.160 --> 02:37:35.212 Just some that focus just on

NOTE Confidence: 0.86558104

02:37:35.212 --> 02:37:36.580 the genetic counseling process.

NOTE Confidence: 0.86558104

02:37:36.580 --> 02:37:39.468 As you can see.

NOTE Confidence: 0.86558104

02:37:39.470 --> 02:37:41.194 Perspectives on evolving technologies.

NOTE Confidence: 0.86558104

02:37:41.194 --> 02:37:44.310 We had a student look into genetic

NOTE Confidence: 0.86558104

02:37:44.310 --> 02:37:46.078 counselors views on CRISPR.

NOTE Confidence: 0.86558104

02:37:46.078 --> 02:37:49.214 We had one of our graduates who

NOTE Confidence: 0.86558104

02:37:49.214 --> 02:37:51.790 worked with the Yale Group on.

NOTE Confidence: 0.86558104

02:37:51.790 --> 02:37:54.870 You know on going to gainan tumor

NOTE Confidence: 0.86558104

02:37:54.870 --> 02:37:57.950 boards an what the follow up was

NOTE Confidence: 0.86558104

02:37:57.950 --> 02:38:01.285 and how how were those patients

NOTE Confidence: 0.86558104

02:38:01.285 --> 02:38:04.180 where they appropriately re Ferd?

NOTE Confidence: 0.86558104

02:38:04.180 --> 02:38:06.912 And and you know most then most of

NOTE Confidence: 0.86558104

02:38:06.912 --> 02:38:08.940 these students are then encouraged to

NOTE Confidence: 0.86558104

02:38:09.004 --> 02:38:11.345 submit their work product to NSCC to

NOTE Confidence: 0.86558104

02:38:11.345 --> 02:38:13.730 see if they can get paper out of it

NOTE Confidence: 0.86558104

02:38:13.805 --> 02:38:16.595 or presentation at the national meeting.

NOTE Confidence: 0.86558104

02:38:16.600 --> 02:38:18.670 But this is just an example

NOTE Confidence: 0.86558104

02:38:18.670 --> 02:38:20.396 of what students are doing.

NOTE Confidence: 0.86558104

02:38:20.396 --> 02:38:22.395 There's a wide variety and many

NOTE Confidence: 0.86558104

02:38:22.395 --> 02:38:24.540 are coming out this year about,

NOTE Confidence: 0.86558104

02:38:24.540 --> 02:38:26.610 you know, COVID and Tele health,

NOTE Confidence: 0.86558104

02:38:26.610 --> 02:38:29.282 and so it'll be a lot of more

NOTE Confidence: 0.86558104

02:38:29.282 --> 02:38:30.725 interesting things that are

NOTE Confidence: 0.86558104

02:38:30.725 --> 02:38:32.813 coming out of all the programs.

NOTE Confidence: 0.85402596

02:38:35.050 --> 02:38:37.822 And the the last section that you

NOTE Confidence: 0.85402596

02:38:37.822 --> 02:38:40.510 know you could expect in a program.

NOTE Confidence: 0.85402596

02:38:40.510 --> 02:38:42.435 Some programs require some kind

NOTE Confidence: 0.85402596

02:38:42.435 --> 02:38:43.975 of volunteering or professional

NOTE Confidence: 0.85402596

02:38:43.975 --> 02:38:45.189 development and activities.

NOTE Confidence: 0.85402596

02:38:45.190 --> 02:38:46.750 What we do specifically,

NOTE Confidence: 0.85402596

02:38:46.750 --> 02:38:49.480 we have two onsite weekends a year.

NOTE Confidence: 0.85402596

02:38:49.480 --> 02:38:50.622 Again, you know,

NOTE Confidence: 0.85402596

02:38:50.622 --> 02:38:53.518 in the before times and pre COVID now

NOTE Confidence: 0.85402596

02:38:53.518 --> 02:38:56.496 are on sites are they've been remote.

NOTE Confidence: 0.85402596

02:38:56.500 --> 02:39:00.788 But where we have a weekend where everybody

NOTE Confidence: 0.85402596

02:39:00.788 --> 02:39:03.620 comes together and we talk about.

NOTE Confidence: 0.85402596

02:39:03.620 --> 02:39:05.510 You know self care professional development.

NOTE Confidence: 0.85402596

02:39:05.510 --> 02:39:08.030 We do activities we you know if there's

NOTE Confidence: 0.85402596

02:39:08.030 --> 02:39:09.950 anything that new that's happened again.

NOTE Confidence: 0.85402596

02:39:09.950 --> 02:39:12.260 Another question was how do you keep

NOTE Confidence: 0.85402596

02:39:12.260 --> 02:39:14.646 on top of this in the education system?

NOTE Confidence: 0.85402596

02:39:14.646 --> 02:39:17.170 Will then we try to institute that then?

NOTE Confidence: 0.85402596

02:39:17.170 --> 02:39:19.060 If it's something that's very new,

NOTE Confidence: 0.85402596

02:39:19.060 --> 02:39:20.878 like recently the AC MG changed

NOTE Confidence: 0.85402596

02:39:20.878 --> 02:39:23.469 the 59 to 74 just the other day.

NOTE Confidence: 0.85402596

02:39:23.470 --> 02:39:26.143 So you know we've got to work better and

NOTE Confidence: 0.85402596

02:39:26.143 --> 02:39:28.206 somehow and that's you know until you

NOTE Confidence: 0.85402596

02:39:28.206 --> 02:39:30.723 can work it into your curriculum, you

NOTE Confidence: 0.85402596

02:39:30.723 --> 02:39:33.630 have to have spots where you can discuss it.

NOTE Confidence: 0.85402596

02:39:33.630 --> 02:39:35.046 We there's journal clubs.

NOTE Confidence: 0.85402596

02:39:35.046 --> 02:39:37.506 That's often a way that these kind.

NOTE Confidence: 0.85402596

02:39:37.510 --> 02:39:40.334 This kind of information is shared as well,

NOTE Confidence: 0.85402596

02:39:40.340 --> 02:39:43.164 and you'll soon see two of our rising

NOTE Confidence: 0.85402596

02:39:43.164 --> 02:39:45.283 second year students who are doing

NOTE Confidence: 0.85402596

02:39:45.283 --> 02:39:47.040 some volunteering right after me.

NOTE Confidence: 0.8529673

02:39:48.430 --> 02:39:50.078 But the goal of

NOTE Confidence: 0.8529673

02:39:50.080 --> 02:39:52.546 all of this is to graduate

NOTE Confidence: 0.8529673

02:39:52.546 --> 02:39:54.606 genetic counselors, who are what

NOTE Confidence: 0.8529673

02:39:54.606 --> 02:39:56.254 we considered board eligible.

NOTE Confidence: 0.8529673

02:39:56.260 --> 02:39:58.730 And again there were a couple

NOTE Confidence: 0.8529673

02:39:58.730 --> 02:40:00.788 of questions about how to

NOTE Confidence: 0.8529673

02:40:00.788 --> 02:40:03.260 be able to take the boards,

NOTE Confidence: 0.8529673

02:40:03.260 --> 02:40:05.594 but you have to come through

NOTE Confidence: 0.8529673

02:40:05.594 --> 02:40:07.790 a board or I'm sorry,

NOTE Confidence: 0.8529673

02:40:07.790 --> 02:40:09.810 an accreditated AC GC accredited

NOTE Confidence: 0.8529673

02:40:09.810 --> 02:40:12.322 program in order to be considered

NOTE Confidence: 0.8529673

02:40:12.322 --> 02:40:14.382 board eligible and to sit

NOTE Confidence: 0.8529673

02:40:14.382 --> 02:40:16.030 for the board exam.

NOTE Confidence: 0.8529673

02:40:16.030 --> 02:40:16.860 The board

NOTE Confidence: 0.8529673

02:40:16.860 --> 02:40:18.920 exam is offered post graduation.

NOTE Confidence: 0.892021

02:40:19.360 --> 02:40:22.160 It's offered in August and in February,

NOTE Confidence: 0.892021

02:40:22.160 --> 02:40:25.218 so twice a year and you must

NOTE Confidence: 0.892021

02:40:25.218 --> 02:40:28.134 pass that to be board certified.

NOTE Confidence: 0.892021

02:40:28.140 --> 02:40:30.289 There are some states in which you

NOTE Confidence: 0.892021

02:40:30.289 --> 02:40:32.686 most states you can work if you

NOTE Confidence: 0.892021

02:40:32.686 --> 02:40:34.098 are considered board eligible,

NOTE Confidence: 0.892021

02:40:34.100 --> 02:40:36.748 but there are in order to get licensure,

NOTE Confidence: 0.892021

02:40:36.750 --> 02:40:38.585 there's typically a certain amount

NOTE Confidence: 0.892021

02:40:38.585 --> 02:40:41.055 of time that you have in order

NOTE Confidence: 0.892021

02:40:41.055 --> 02:40:43.029 to pass that board exam and and

NOTE Confidence: 0.892021

02:40:43.029 --> 02:40:45.019 to be able to be employable.

NOTE Confidence: 0.892021

02:40:45.020 --> 02:40:47.668 That's going to vary from state to state.

NOTE Confidence: 0.8482787

02:40:50.320 --> 02:40:52.480 And again I just put in

NOTE Confidence: 0.8482787

02:40:52.480 --> 02:40:54.008 some resources as well.

NOTE Confidence: 0.8482787

02:40:54.008 --> 02:40:56.300 I guess what I also wanted

NOTE Confidence: 0.8482787

02:40:56.381 --> 02:40:58.600 to say here is that you know.

NOTE Confidence: 0.8482787

02:40:58.600 --> 02:40:59.908 So once you graduate,

NOTE Confidence: 0.8482787

02:40:59.908 --> 02:41:01.870 there's still one more step to

NOTE Confidence: 0.8482787

02:41:01.939 --> 02:41:03.639 becoming a board certified,

NOTE Confidence: 0.8482787

02:41:03.640 --> 02:41:04.908 like like many other,

NOTE Confidence: 0.8482787

02:41:04.908 --> 02:41:06.493 like PT or many other

NOTE Confidence: 0.8482787

02:41:06.493 --> 02:41:07.960 health care disciplines,

NOTE Confidence: 0.8482787

02:41:07.960 --> 02:41:10.158 you have to take a board exam

NOTE Confidence: 0.8482787

02:41:10.158 --> 02:41:12.640 in order to be fully certified.

NOTE Confidence: 0.8482787

02:41:12.640 --> 02:41:14.440 But Maria also discussed this.

NOTE Confidence: 0.8482787

02:41:14.440 --> 02:41:16.960 There's some great resources on SGC page.

NOTE Confidence: 0.8482787

02:41:16.960 --> 02:41:19.504 This is just a picture of what that

NOTE Confidence: 0.8482787

02:41:19.504 --> 02:41:22.049 master genetic counseling series looks like.

NOTE Confidence: 0.8482787

02:41:22.050 --> 02:41:24.882 There's also web and R of a day

NOTE Confidence: 0.8482787

02:41:24.882 --> 02:41:27.004 in the life of genetic counselors,

NOTE Confidence: 0.8482787

02:41:27.004 --> 02:41:29.128 and I also would direct you.

NOTE Confidence: 0.8482787

02:41:29.130 --> 02:41:31.495 You know there's a lot of great

NOTE Confidence: 0.8482787

02:41:31.495 --> 02:41:33.150 social media out there where

NOTE Confidence: 0.8482787

02:41:33.223 --> 02:41:35.497 genetic counselors play a big role.

NOTE Confidence: 0.8482787

02:41:35.500 --> 02:41:37.270 Like on Twitter, there's hashtag,

NOTE Confidence: 0.8482787

02:41:37.270 --> 02:41:38.329 hashtag, GC chat.

NOTE Confidence: 0.8562365

02:41:40.440 --> 02:41:42.598 There is a discord channel that actually

NOTE Confidence: 0.8562365

02:41:42.600 --> 02:41:44.763 is moderated by a recent grad and

NOTE Confidence: 0.8562365

02:41:44.763 --> 02:41:46.620 Baker Baker program, and they are.

NOTE Confidence: 0.8562365

02:41:46.620 --> 02:41:47.550 That's really great.

NOTE Confidence: 0.8562365

02:41:47.550 --> 02:41:49.398 Like I am not on that.

NOTE Confidence: 0.8562365

02:41:49.400 --> 02:41:51.325 None of the programs are on that

NOTE Confidence: 0.8562365

02:41:51.325 --> 02:41:53.182 because it's a really great private

NOTE Confidence: 0.8562365

02:41:53.182 --> 02:41:55.114 way to ask some good questions

NOTE Confidence: 0.8562365

02:41:55.114 --> 02:41:57.398 and you can get some really good

NOTE Confidence: 0.8562365

02:41:57.398 --> 02:41:59.290 student feedback on there as well.

NOTE Confidence: 0.88909835

02:42:01.160 --> 02:42:03.006 So I'm offering up my email.

NOTE Confidence: 0.88909835

02:42:03.006 --> 02:42:04.860 Please email me if you have

NOTE Confidence: 0.88909835

02:42:04.860 --> 02:42:07.009 any questions on what to expect in

NOTE Confidence: 0.88909835

02:42:07.010 --> 02:42:08.548 Graduate School between Maria myself.

NOTE Confidence: 0.88909835

02:42:08.548 --> 02:42:10.088 We can answer some questions

NOTE Confidence: 0.88909835

02:42:10.088 --> 02:42:11.012 about different programs,

NOTE Confidence: 0.88909835

02:42:11.020 --> 02:42:13.500 but the best way if you have a

NOTE Confidence: 0.88909835

02:42:13.500 --> 02:42:15.060 specific question about a specific

NOTE Confidence: 0.88909835

02:42:15.120 --> 02:42:16.956 program is to look up their

NOTE Confidence: 0.88909835

02:42:16.956 --> 02:42:18.720 website and go directly to them.

NOTE Confidence: 0.84479314

02:42:21.670 --> 02:42:23.530 Thanks Colleen Ann. I do want

NOTE Confidence: 0.84479314

02:42:23.530 --> 02:42:25.060 to clarify for everyone that

NOTE Confidence: 0.84479314

02:42:25.120 --> 02:42:26.880 I will be sharing our

NOTE Confidence: 0.84479314

02:42:26.880 --> 02:42:27.936 speakers email addresses.

NOTE Confidence: 0.84479314

02:42:27.940 --> 02:42:29.625 They've all kindly volunteered to

NOTE Confidence: 0.84479314

02:42:29.625 --> 02:42:31.570 share that information with you all,

NOTE Confidence: 0.84479314

02:42:31.570 --> 02:42:34.410 so I'll have that up kind of in

NOTE Confidence: 0.84479314

02:42:34.410 --> 02:42:36.520 the background as we do the Q&A,

NOTE Confidence: 0.84479314

02:42:36.520 --> 02:42:38.332 but I'll let Paige and Mike

NOTE Confidence: 0.84479314

02:42:38.332 --> 02:42:40.479 take over for the next section.

NOTE Confidence: 0.84259737

02:42:42.090 --> 02:42:43.500 Makes you wanna go first.

NOTE Confidence: 0.78319377

02:42:47.140 --> 02:42:48.804 Doesn't matter to me.

NOTE Confidence: 0.78319377

02:42:48.804 --> 02:42:50.880 Alright, you go ahead OK?

NOTE Confidence: 0.71557254

02:43:04.040 --> 02:43:05.030 Sharing OK.

NOTE Confidence: 0.7809549

02:43:07.080 --> 02:43:09.908 Yep, OK, my name is Mike Peracchio.

NOTE Confidence: 0.7809549

02:43:09.910 --> 02:43:12.880 I am a now second year student and the

NOTE Confidence: 0.7809549

02:43:12.880 --> 02:43:15.639 Master of Science in General Accounting

NOTE Confidence: 0.7809549

02:43:15.639 --> 02:43:17.989 Program at Bay Path University.

NOTE Confidence: 0.7809549

02:43:17.990 --> 02:43:21.246 So I just wanted to talk a little

NOTE Confidence: 0.7809549

02:43:21.246 --> 02:43:24.046 bit about my path to Bay Path.

NOTE Confidence: 0.7809549

02:43:24.050 --> 02:43:27.290 I'm more of a non traditional student and

NOTE Confidence: 0.7809549

02:43:27.290 --> 02:43:30.795 so I've had kind of a bunch of different

NOTE Confidence: 0.7809549

02:43:30.795 --> 02:43:33.737 shifts in my career along the way,

NOTE Confidence: 0.7809549

02:43:33.740 --> 02:43:36.750 so I thought I'd just tell you

NOTE Confidence: 0.7809549

02:43:36.750 --> 02:43:39.479 a little about that and then.

NOTE Confidence: 0.7809549

02:43:39.480 --> 02:43:42.468 Talk to you about a little bit about my

NOTE Confidence: 0.7809549

02:43:42.468 --> 02:43:44.934 experience in the Bay Path program so far,

NOTE Confidence: 0.7809549

02:43:44.940 --> 02:43:47.638 and kind of how I've been, you know,

NOTE Confidence: 0.7809549

02:43:47.638 --> 02:43:49.583 balancing all the different aspects

NOTE Confidence: 0.7809549

02:43:49.583 --> 02:43:51.940 of my life while also then.

NOTE Confidence: 0.7809549

02:43:51.940 --> 02:43:54.050 Grad school for genetic counseling.

NOTE Confidence: 0.8387129

02:43:56.720 --> 02:43:59.345 So education I got my

NOTE Confidence: 0.8387129

02:43:59.345 --> 02:44:01.970 bachelors degree in ecology and

NOTE Confidence: 0.8387129

02:44:02.071 --> 02:44:05.436 evolutionary biology back in 2003.

NOTE Confidence: 0.8387129

02:44:05.440 --> 02:44:09.384 I said it's it's been a long Rd.

NOTE Confidence: 0.8387129

02:44:09.390 --> 02:44:12.785 And I ended up going after school.

NOTE Confidence: 0.8387129

02:44:12.790 --> 02:44:15.706 I did some traveling and ended

NOTE Confidence: 0.8387129

02:44:15.706 --> 02:44:18.496 up going into teaching, so I.

NOTE Confidence: 0.8387129

02:44:18.496 --> 02:44:21.457 Went back to school and got certified

NOTE Confidence: 0.8387129

02:44:21.457 --> 02:44:24.369 to teach high school biology.

NOTE Confidence: 0.8387129

02:44:24.370 --> 02:44:27.232 So that was my degree here and then I

NOTE Confidence: 0.8387129

02:44:27.232 --> 02:44:30.287 went back to grad school again at UConn.

NOTE Confidence: 0.8387129

02:44:30.290 --> 02:44:33.310 And now on that day, pass.

NOTE Confidence: 0.8387129

02:44:33.310 --> 02:44:35.506 I do want to be clear and in no

NOTE Confidence: 0.8387129

02:44:35.506 --> 02:44:38.035 way do you need to have multiple

NOTE Confidence: 0.8387129

02:44:38.035 --> 02:44:40.325 masters degrees in order to apply

NOTE Confidence: 0.8387129

02:44:40.325 --> 02:44:42.165 for an account link program.

NOTE Confidence: 0.8387129

02:44:42.170 --> 02:44:44.762 This is more just a product of my

NOTE Confidence: 0.8387129

02:44:44.762 --> 02:44:47.137 searching to find the career that was

NOTE Confidence: 0.8387129

02:44:47.137 --> 02:44:49.710 really going to be the best for me,

NOTE Confidence: 0.8387129

02:44:49.710 --> 02:44:52.006 which has taken me a little while,

NOTE Confidence: 0.8387129

02:44:52.010 --> 02:44:56.010 but I'm pretty sure I'm there now so.

NOTE Confidence: 0.8387129

02:44:56.010 --> 02:44:57.470 Yeah, professionally, my background.

NOTE Confidence: 0.8387129

02:44:57.470 --> 02:44:58.565 As I said,

NOTE Confidence: 0.8387129

02:44:58.570 --> 02:45:01.192 I ended up becoming a high

NOTE Confidence: 0.8387129

02:45:01.192 --> 02:45:03.190 school biology teacher and I.

NOTE Confidence: 0.8387129

02:45:03.190 --> 02:45:06.214 I taught all levels of high school

NOTE Confidence: 0.8387129

02:45:06.214 --> 02:45:08.750 biology from freshmen and sophomores,

NOTE Confidence: 0.8387129

02:45:08.750 --> 02:45:11.528 kind of general to AP biology

NOTE Confidence: 0.8387129

02:45:11.528 --> 02:45:13.380 so many different levels,

NOTE Confidence: 0.8387129

02:45:13.380 --> 02:45:17.566 which is something that I think is.

NOTE Confidence: 0.8387129

02:45:17.570 --> 02:45:20.620 I have found to be, you know,

NOTE Confidence: 0.8387129

02:45:20.620 --> 02:45:23.320 a useful skill for genetic counseling

NOTE Confidence: 0.8387129

02:45:23.320 --> 02:45:25.816 because I had to, you know,

NOTE Confidence: 0.8387129

02:45:25.816 --> 02:45:28.684 learn how to teach genetics concepts

NOTE Confidence: 0.8387129

02:45:28.684 --> 02:45:32.197 and other complex science concepts too.

NOTE Confidence: 0.8387129

02:45:32.200 --> 02:45:34.293 To all levels of students and people

NOTE Confidence: 0.8387129

02:45:34.293 --> 02:45:36.040 without much background in those topics.

NOTE Confidence: 0.8387129

02:45:36.040 --> 02:45:37.515 And so that's something that

NOTE Confidence: 0.8387129

02:45:37.515 --> 02:45:38.990 I think we do everyday,

NOTE Confidence: 0.8387129

02:45:38.990 --> 02:45:40.760 is down to counselors as well.

NOTE Confidence: 0.8387129

02:45:40.760 --> 02:45:43.408 Is trying to explain some of these concepts

NOTE Confidence: 0.8387129

02:45:43.408 --> 02:45:46.065 to people who don't have a background in.

NOTE Confidence: 0.8387129

02:45:46.070 --> 02:45:50.450 In in science or genetics?

NOTE Confidence: 0.8387129

02:45:50.450 --> 02:45:53.080 So I end up leaving.

NOTE Confidence: 0.8387129

02:45:53.080 --> 02:45:54.625 My high school teaching when

NOTE Confidence: 0.8387129

02:45:54.625 --> 02:45:56.170 I started teaching AP Bio,

NOTE Confidence: 0.8387129

02:45:56.170 --> 02:45:57.720 I kind of got interested.

NOTE Confidence: 0.8387129

02:45:57.720 --> 02:45:59.824 It kind of made me want to get

NOTE Confidence: 0.8387129

02:45:59.824 --> 02:46:02.101 back into going a little deeper in

NOTE Confidence: 0.8387129

02:46:02.101 --> 02:46:04.475 the science and I actually kind of

NOTE Confidence: 0.8387129

02:46:04.475 --> 02:46:06.673 want to teach at the college level.

NOTE Confidence: 0.8387129

02:46:06.680 --> 02:46:08.970 So I went back to UConn in a pro at

NOTE Confidence: 0.8387129

02:46:09.042 --> 02:46:11.926 this originally in PhD program and genetics,

NOTE Confidence: 0.8387129

02:46:11.930 --> 02:46:14.268 and so I was doing genetics research

NOTE Confidence: 0.8387129

02:46:14.268 --> 02:46:17.049 as part of my grad school on small

NOTE Confidence: 0.8387129

02:46:17.049 --> 02:46:19.705 RNAs in a basic research lab at

NOTE Confidence: 0.8387129

02:46:19.705 --> 02:46:21.457 the University of Connecticut.

NOTE Confidence: 0.8387129

02:46:21.460 --> 02:46:26.347 And I, you know, found out that that wasn't.

NOTE Confidence: 0.8387129

02:46:26.350 --> 02:46:29.045 Quite where I wanted to be either,

NOTE Confidence: 0.8387129

02:46:29.050 --> 02:46:32.234 so I so I graduated with a masters

NOTE Confidence: 0.8387129

02:46:32.234 --> 02:46:35.728 degree and got a job in a clinical lab

NOTE Confidence: 0.8387129

02:46:35.728 --> 02:46:38.969 and I've found my interests were more.

NOTE Confidence: 0.8387129

02:46:38.970 --> 02:46:40.788 In the clinical side of things,

NOTE Confidence: 0.8387129

02:46:40.790 --> 02:46:42.980 then kind of the basic research

NOTE Confidence: 0.8387129

02:46:42.980 --> 02:46:44.740 side of things and so.

NOTE Confidence: 0.8387129

02:46:44.740 --> 02:46:47.323 I started working at the Mount Sinai

NOTE Confidence: 0.8387129

02:46:47.323 --> 02:46:49.166 genetic testing labs in Connecticut

NOTE Confidence: 0.8387129

02:46:49.166 --> 02:46:51.814 and that was part of the Mount Sinai

NOTE Confidence: 0.8387129

02:46:51.878 --> 02:46:54.020 Hospital system in New York City,

NOTE Confidence: 0.8387129

02:46:54.020 --> 02:46:56.519 and so I was working in the

NOTE Confidence: 0.8387129

02:46:56.519 --> 02:46:57.590 laboratory technologist there,

NOTE Confidence: 0.8387129

02:46:57.590 --> 02:47:00.102 and so I've kind of been in three

NOTE Confidence: 0.8387129

02:47:00.102 --> 02:47:02.008 different labs and devolved in

NOTE Confidence: 0.8387129

02:47:02.008 --> 02:47:04.013 slightly different types of labs.

NOTE Confidence: 0.8387129

02:47:04.020 --> 02:47:06.932 So Mount Sinai that was a non

NOTE Confidence: 0.8387129

02:47:06.932 --> 02:47:08.590 profit hospital based lab.

NOTE Confidence: 0.8387129

02:47:08.590 --> 02:47:13.700 I then was at the Jackson Laboratory.

NOTE Confidence: 0.8387129

02:47:13.700 --> 02:47:15.870 Which is a nonprofit research academic lab.

NOTE Confidence: 0.8387129

02:47:15.870 --> 02:47:17.730 So they have much more for

NOTE Confidence: 0.8387129

02:47:17.730 --> 02:47:18.970 research and academic focus.

NOTE Confidence: 0.8497223

02:47:18.970 --> 02:47:22.075 So I but they do have a small clinical

NOTE Confidence: 0.8497223

02:47:22.075 --> 02:47:24.115 genomics lab and so that's where

NOTE Confidence: 0.8497223

02:47:24.115 --> 02:47:26.803 I was working when I was there was

NOTE Confidence: 0.8497223

02:47:26.803 --> 02:47:29.120 in the clinical lab and then I.

NOTE Confidence: 0.8497223

02:47:29.120 --> 02:47:31.394 Most recently went to a private

NOTE Confidence: 0.8497223

02:47:31.394 --> 02:47:33.314 company called Semaphore which was

NOTE Confidence: 0.8497223

02:47:33.314 --> 02:47:35.354 actually that same Mount Sinai lab,

NOTE Confidence: 0.8497223

02:47:35.360 --> 02:47:37.971 but it converted into a private company

NOTE Confidence: 0.8497223

02:47:37.971 --> 02:47:40.996 and so now you know I work for a more

NOTE Confidence: 0.8497223

02:47:40.996 --> 02:47:43.799 of a for profit commercial company,

NOTE Confidence: 0.8497223

02:47:43.800 --> 02:47:46.600 so I've kind of been in all the

NOTE Confidence: 0.8497223

02:47:46.600 --> 02:47:49.127 different types of labs and so it's

NOTE Confidence: 0.8497223

02:47:49.127 --> 02:47:51.346 been interesting to kind of get

NOTE Confidence: 0.8497223

02:47:51.346 --> 02:47:53.704 the perspective of each of those.

NOTE Confidence: 0.8497223

02:47:53.710 --> 02:47:55.906 And another thing I think this

NOTE Confidence: 0.8497223

02:47:55.906 --> 02:47:58.144 informed me for, you know something

NOTE Confidence: 0.8497223

02:47:58.144 --> 02:48:00.034 that's relevant to counseling is.

NOTE Confidence: 0.8497223

02:48:00.040 --> 02:48:02.035 And I've got a good understanding of,

NOTE Confidence: 0.8497223

02:48:02.040 --> 02:48:03.756 you know, as a genetic counselor,

NOTE Confidence: 0.8497223

02:48:03.760 --> 02:48:05.344 when you order some of those

NOTE Confidence: 0.8497223

02:48:05.344 --> 02:48:06.900 genetic tests for a patient,

NOTE Confidence: 0.8497223

02:48:06.900 --> 02:48:08.990 you know I have a good idea of you know

NOTE Confidence: 0.8497223

02:48:09.045 --> 02:48:10.683 what that means and what's actually

NOTE Confidence: 0.8497223

02:48:10.683 --> 02:48:12.926 going on in the laboratories where those

NOTE Confidence: 0.8497223

02:48:12.926 --> 02:48:15.110 tests are being performed and those

NOTE Confidence: 0.8497223

02:48:15.110 --> 02:48:16.910 results are being reported out from.

NOTE Confidence: 0.8479559

02:48:20.540 --> 02:48:22.165 As far as my application

NOTE Confidence: 0.8479559

02:48:22.165 --> 02:48:23.790 process to Bay Path suggested,

NOTE Confidence: 0.8479559

02:48:23.790 --> 02:48:25.090 counseling was something I

NOTE Confidence: 0.8479559

02:48:25.090 --> 02:48:26.390 was always interested in,

NOTE Confidence: 0.8479559

02:48:26.390 --> 02:48:28.340 and when I finished my undergrad,

NOTE Confidence: 0.8479559

02:48:28.340 --> 02:48:30.290 you know it it was around,

NOTE Confidence: 0.8479559

02:48:30.290 --> 02:48:32.173 but it still wasn't a huge field

NOTE Confidence: 0.8479559

02:48:32.173 --> 02:48:34.748 and so it was something I was always

NOTE Confidence: 0.8479559

02:48:34.748 --> 02:48:36.864 a little interested in but just

NOTE Confidence: 0.8479559

02:48:36.864 --> 02:48:38.976 didn't know much about and never

NOTE Confidence: 0.8479559

02:48:38.976 --> 02:48:40.720 really pursued it too strongly.

NOTE Confidence: 0.8479559

02:48:40.720 --> 02:48:42.420 And it's obviously exploded in

NOTE Confidence: 0.8479559

02:48:42.420 --> 02:48:44.268 the last five or ten years,

NOTE Confidence: 0.8479559

02:48:44.270 --> 02:48:46.636 you know, and so it really never

NOTE Confidence: 0.8479559

02:48:46.636 --> 02:48:49.239 kind of left the back of my mind.

NOTE Confidence: 0.8479559

02:48:49.240 --> 02:48:51.688 And then I started interacting with

NOTE Confidence: 0.8479559

02:48:51.688 --> 02:48:54.096 some Jenna counselors in the labs

NOTE Confidence: 0.8479559

02:48:54.096 --> 02:48:56.567 that worked at and someone I worked

NOTE Confidence: 0.8479559

02:48:56.567 --> 02:48:58.464 closely with actually applied for

NOTE Confidence: 0.8479559

02:48:58.464 --> 02:49:01.051 the Bay Path program and she actually

NOTE Confidence: 0.8479559

02:49:01.051 --> 02:49:03.337 just graduated from the path program.

NOTE Confidence: 0.8479559

02:49:03.340 --> 02:49:06.436 And so you know, I got a good sense

NOTE Confidence: 0.8479559

02:49:06.436 --> 02:49:10.930 of what that was all about, and.

NOTE Confidence: 0.8479559

02:49:10.930 --> 02:49:14.087 So I really decided that I was

NOTE Confidence: 0.8479559

02:49:14.087 --> 02:49:16.430 going to pursue this and.

NOTE Confidence: 0.8479559

02:49:16.430 --> 02:49:17.014 You know,

NOTE Confidence: 0.8479559

02:49:17.014 --> 02:49:19.058 so some of the things that I

NOTE Confidence: 0.8479559

02:49:19.058 --> 02:49:21.089 can really can't talk about.

NOTE Confidence: 0.8479559

02:49:21.090 --> 02:49:21.384 Hopefully,

NOTE Confidence: 0.8479559

02:49:21.384 --> 02:49:23.442 you know page might be able give

NOTE Confidence: 0.8479559

02:49:23.442 --> 02:49:25.256 you more insight on applying

NOTE Confidence: 0.8479559

02:49:25.256 --> 02:49:26.417 to multiple programs.

NOTE Confidence: 0.8479559

02:49:26.420 --> 02:49:28.618 For me there were really only at

NOTE Confidence: 0.8479559

02:49:28.618 --> 02:49:30.807 the time to online programs in

NOTE Confidence: 0.8479559

02:49:30.807 --> 02:49:33.159 the country and Boise State and

NOTE Confidence: 0.8479559

02:49:33.159 --> 02:49:35.573 they pass and for me you know I

NOTE Confidence: 0.8479559

02:49:35.573 --> 02:49:38.990 needed to be able to keep working.

NOTE Confidence: 0.8479559

02:49:38.990 --> 02:49:41.930 A lot and I have three young kids at home,

NOTE Confidence: 0.8479559

02:49:41.930 --> 02:49:43.202 so I really wasn't.

NOTE Confidence: 0.8479559

02:49:43.202 --> 02:49:45.451 Didn't see that I was going to

NOTE Confidence: 0.8479559

02:49:45.451 --> 02:49:47.563 be able to do an on site program

NOTE Confidence: 0.8479559

02:49:47.563 --> 02:49:49.895 and so for me I basically kind of

NOTE Confidence: 0.8479559

02:49:49.895 --> 02:49:53.058 had those as my two options and.

NOTE Confidence: 0.8479559

02:49:53.060 --> 02:49:56.460 I applied the base half.

NOTE Confidence: 0.8479559

02:49:56.460 --> 02:49:58.116 You know 'cause I had heard good things.

NOTE Confidence: 0.8479559

02:49:58.120 --> 02:50:00.136 I lived near there and so I actually

NOTE Confidence: 0.8479559

02:50:00.136 --> 02:50:02.155 knew some of the people who are

NOTE Confidence: 0.8479559

02:50:02.155 --> 02:50:03.610 very familiar with the program.

NOTE Confidence: 0.8479559

02:50:03.610 --> 02:50:05.766 And when I was working production laboratory,

NOTE Confidence: 0.8479559

02:50:05.770 --> 02:50:07.405 the program director actually brought

NOTE Confidence: 0.8479559

02:50:07.405 --> 02:50:09.648 a group of students from the PATH

NOTE Confidence: 0.8479559

02:50:09.648 --> 02:50:11.310 program to tour our clinical lab,

NOTE Confidence: 0.8479559

02:50:11.310 --> 02:50:14.012 and I gave them this horrible AB

NOTE Confidence: 0.8479559

02:50:14.012 --> 02:50:17.020 so it's able to meet some people

NOTE Confidence: 0.8479559

02:50:17.020 --> 02:50:18.780 from the program and.

NOTE Confidence: 0.8479559

02:50:18.780 --> 02:50:21.160 And so I had a good sense.

NOTE Confidence: 0.8479559

02:50:21.160 --> 02:50:22.048 So you know,

NOTE Confidence: 0.8479559

02:50:22.048 --> 02:50:24.521 some of the things I think that were

NOTE Confidence: 0.8479559

02:50:24.521 --> 02:50:26.501 strengths for me when I applied

NOTE Confidence: 0.8479559

02:50:26.501 --> 02:50:28.300 is my varied experience.

NOTE Confidence: 0.8479559

02:50:28.300 --> 02:50:30.670 So as I mentioned before, you know,

NOTE Confidence: 0.8479559

02:50:30.670 --> 02:50:33.015 working as a teacher and work in

NOTE Confidence: 0.8479559

02:50:33.015 --> 02:50:34.760 the lab give, I think,

NOTE Confidence: 0.8479559

02:50:34.760 --> 02:50:36.460 2 unique kinds of experience.

NOTE Confidence: 0.8479559

02:50:36.460 --> 02:50:38.296 You know that piece were in

NOTE Confidence: 0.8479559

02:50:38.296 --> 02:50:39.520 the counselors or explaining

NOTE Confidence: 0.8479559

02:50:39.579 --> 02:50:41.219 genetics concepts to patients.

NOTE Confidence: 0.8479559

02:50:41.220 --> 02:50:43.254 My education background I thought was

NOTE Confidence: 0.8479559

02:50:43.254 --> 02:50:45.979 useful for that and the lab experience to,

NOTE Confidence: 0.8479559

02:50:45.980 --> 02:50:46.732 you know,

NOTE Confidence: 0.8479559

02:50:46.732 --> 02:50:49.364 to really know the back end of.

NOTE Confidence: 0.8479559

02:50:49.370 --> 02:50:51.535 What happens when we order

NOTE Confidence: 0.8479559

02:50:51.535 --> 02:50:53.267 tests for our patients?

NOTE Confidence: 0.8479559

02:50:53.270 --> 02:50:56.660 And so I think those were

NOTE Confidence: 0.8479559

02:50:56.660 --> 02:50:58.920 good experience to have.

NOTE Confidence: 0.8479559

02:50:58.920 --> 02:51:01.392 I also you know I did some traveling

NOTE Confidence: 0.8479559

02:51:01.392 --> 02:51:03.437 after college and talked about that

NOTE Confidence: 0.8479559

02:51:03.437 --> 02:51:05.477 a little in my personal statement

NOTE Confidence: 0.8479559

02:51:05.544 --> 02:51:08.016 about how it kind of gave me a

NOTE Confidence: 0.8479559

02:51:08.016 --> 02:51:09.328 broader perspective on different

NOTE Confidence: 0.8479559

02:51:09.328 --> 02:51:10.704 cultures and different people

NOTE Confidence: 0.8479559

02:51:10.704 --> 02:51:12.850 around the world and just kind of,

NOTE Confidence: 0.8479559

02:51:12.850 --> 02:51:13.574 I think,

NOTE Confidence: 0.8479559

02:51:13.574 --> 02:51:15.746 made me a more well rounded

NOTE Confidence: 0.8479559

02:51:15.746 --> 02:51:17.309 individual just in general.

NOTE Confidence: 0.84286773

02:51:17.310 --> 02:51:19.536 And then some observation and networking.

NOTE Confidence: 0.84286773

02:51:19.540 --> 02:51:22.339 So I did have a chance to observe a

NOTE Confidence: 0.84286773

02:51:22.339 --> 02:51:24.409 genetic counselor in cancer genetics

NOTE Confidence: 0.84286773

02:51:24.409 --> 02:51:27.729 only a couple of times before I applied.

NOTE Confidence: 0.84286773

02:51:27.730 --> 02:51:30.292 But as I said, I also kind

NOTE Confidence: 0.84286773

02:51:30.292 --> 02:51:33.230 of got to know some people.

NOTE Confidence: 0.84286773

02:51:33.230 --> 02:51:35.012 You know involved with the Bay

NOTE Confidence: 0.84286773

02:51:35.012 --> 02:51:36.632 Path program and the UConn

NOTE Confidence: 0.84286773

02:51:36.632 --> 02:51:38.477 program that they interact with.

NOTE Confidence: 0.84286773

02:51:38.480 --> 02:51:40.664 I I attended some seminars that they

NOTE Confidence: 0.84286773

02:51:40.664 --> 02:51:43.534 put on and so I mean I think it always

NOTE Confidence: 0.84286773

02:51:43.534 --> 02:51:45.995 helps to get to know whoever you

NOTE Confidence: 0.84286773

02:51:45.995 --> 02:51:47.990 can and generate counseling world.

NOTE Confidence: 0.84286773

02:51:47.990 --> 02:51:49.630 Still, a pretty small world,

NOTE Confidence: 0.84286773

02:51:49.630 --> 02:51:51.926 so in whatever area you live in,

NOTE Confidence: 0.84286773

02:51:51.930 --> 02:51:54.106 I feel like a lot of the counselor

NOTE Confidence: 0.84286773

02:51:54.106 --> 02:51:56.536 sent to to know each other because

NOTE Confidence: 0.84286773

02:51:56.536 --> 02:51:58.810 it's still a relatively small world,

NOTE Confidence: 0.84286773

02:51:58.810 --> 02:52:01.876 so it's good to just get to

NOTE Confidence: 0.84286773

02:52:01.876 --> 02:52:03.690 know whoever you can.

NOTE Confidence: 0.84286773

02:52:03.690 --> 02:52:04.554 And then you know,

NOTE Confidence: 0.84286773

02:52:04.554 --> 02:52:06.238 I think when it comes to your

NOTE Confidence: 0.84286773

02:52:06.238 --> 02:52:07.918 personal statement and your interviews

NOTE Confidence: 0.84286773

02:52:07.918 --> 02:52:09.630 just being authentic is probably

NOTE Confidence: 0.84286773

02:52:09.630 --> 02:52:11.180 the most important thing is,

NOTE Confidence: 0.84286773

02:52:11.180 --> 02:52:11.756 you know,

NOTE Confidence: 0.84286773

02:52:11.756 --> 02:52:12.620 just you know,

NOTE Confidence: 0.84286773

02:52:12.620 --> 02:52:14.258 don't tell him what you think

NOTE Confidence: 0.84286773

02:52:14.258 --> 02:52:16.606 they want to hear so much as just

NOTE Confidence: 0.84286773

02:52:16.606 --> 02:52:17.798 tell them about yourself.

NOTE Confidence: 0.84286773

02:52:17.800 --> 02:52:19.634 Tell them why you think you would

NOTE Confidence: 0.84286773

02:52:19.634 --> 02:52:21.661 be a good fit for their program

NOTE Confidence: 0.84286773

02:52:21.661 --> 02:52:23.850 and why you think that you would.

NOTE Confidence: 0.84286773

02:52:23.850 --> 02:52:25.470 You know Jenna counseling would be

NOTE Confidence: 0.84286773

02:52:25.470 --> 02:52:27.815 a good career for you and you know

NOTE Confidence: 0.84286773

02:52:27.815 --> 02:52:29.320 what personal experiences you have.

NOTE Confidence: 0.84286773

02:52:29.320 --> 02:52:30.970 You think make you a strong

NOTE Confidence: 0.84286773

02:52:30.970 --> 02:52:32.452 candidate and would be relevant

NOTE Confidence: 0.84286773

02:52:32.452 --> 02:52:34.057 to going into that career.

NOTE Confidence: 0.84286773

02:52:34.060 --> 02:52:36.348 And I think that's.

NOTE Confidence: 0.84286773

02:52:36.350 --> 02:52:38.492 Probably the best advice I can get

NOTE Confidence: 0.84286773

02:52:38.492 --> 02:52:41.498 as far as the application process goes.

NOTE Confidence: 0.86333877

02:52:43.830 --> 02:52:45.944 So as far as now that I'm

NOTE Confidence: 0.86333877

02:52:45.944 --> 02:52:48.030 in the Bay Path program,

NOTE Confidence: 0.86333877

02:52:48.030 --> 02:52:50.830 you know some things that work for me.

NOTE Confidence: 0.86333877

02:52:50.830 --> 02:52:52.895 The online aspect of it really allows

NOTE Confidence: 0.86333877

02:52:52.895 --> 02:52:55.487 a lot of flexibility and you know

NOTE Confidence: 0.86333877

02:52:55.487 --> 02:52:57.830 the program directors are, you know,

NOTE Confidence: 0.86333877

02:52:57.830 --> 02:52:59.230 really accommodating and flexible,

NOTE Confidence: 0.86333877

02:52:59.230 --> 02:53:01.680 and they're willing to work with you.

NOTE Confidence: 0.86333877

02:53:01.680 --> 02:53:04.130 And really, they want everyone to succeed,

NOTE Confidence: 0.86333877

02:53:04.130 --> 02:53:06.580 and they're really great about you know,

NOTE Confidence: 0.86333877

02:53:06.580 --> 02:53:08.818 doing everything they can to work

NOTE Confidence: 0.86333877

02:53:08.818 --> 02:53:11.155 with people to make sure everyone

NOTE Confidence: 0.86333877

02:53:11.155 --> 02:53:13.477 is is succeeding and getting the

NOTE Confidence: 0.86333877

02:53:13.477 --> 02:53:15.729 most out of their experience.

NOTE Confidence: 0.86333877

02:53:15.730 --> 02:53:17.400 Time management is definitely key.

NOTE Confidence: 0.86333877

02:53:17.400 --> 02:53:19.647 You know I'm working full time so

NOTE Confidence: 0.86333877

02:53:19.647 --> 02:53:22.079 far and it's a full time program.

NOTE Confidence: 0.86333877

02:53:22.080 --> 02:53:22.998 As I mentioned,

NOTE Confidence: 0.86333877

02:53:22.998 --> 02:53:25.140 I have three young kids so you

NOTE Confidence: 0.86333877

02:53:25.216 --> 02:53:27.736 know I will say it's been pretty

NOTE Confidence: 0.86333877

02:53:27.736 --> 02:53:29.420 intense balancing all of that.

NOTE Confidence: 0.86333877

02:53:29.420 --> 02:53:31.090 But you know, I've survived.

NOTE Confidence: 0.86333877

02:53:31.090 --> 02:53:33.225 I'm I'm still doing it and I'm

NOTE Confidence: 0.86333877

02:53:33.225 --> 02:53:35.770 learning a lot and really enjoying it.

NOTE Confidence: 0.86333877

02:53:35.770 --> 02:53:37.153 So it's definitely.

NOTE Confidence: 0.86333877

02:53:37.153 --> 02:53:39.919 It's definitely something you can do.

NOTE Confidence: 0.86333877

02:53:39.920 --> 02:53:41.600 And.

NOTE Confidence: 0.86333877

02:53:41.600 --> 02:53:43.854 One other great thing about the Bay

NOTE Confidence: 0.86333877

02:53:43.854 --> 02:53:45.852 Path program is it's, you know,

NOTE Confidence: 0.86333877

02:53:45.852 --> 02:53:47.808 pretty small group and we're very.

NOTE Confidence: 0.86333877

02:53:47.810 --> 02:53:49.854 It's a very tight knit group and

NOTE Confidence: 0.86333877

02:53:49.854 --> 02:53:51.667 we're very supportive of each other

NOTE Confidence: 0.86333877

02:53:51.667 --> 02:53:53.419 and it's almost like a family

NOTE Confidence: 0.86333877

02:53:53.419 --> 02:53:54.924 atmosphere where really everyone

NOTE Confidence: 0.86333877

02:53:54.924 --> 02:53:56.844 students and program directors and

NOTE Confidence: 0.86333877

02:53:56.844 --> 02:53:58.274 instructors is really invested

NOTE Confidence: 0.86333877

02:53:58.274 --> 02:53:59.909 in making sure everyone succeeds.

NOTE Confidence: 0.86333877

02:53:59.910 --> 02:54:02.038 So if at any time you know you're

NOTE Confidence: 0.86333877

02:54:02.038 --> 02:54:04.159 having a struggle with something,

NOTE Confidence: 0.86333877

02:54:04.160 --> 02:54:06.840 you can just reach out to any of

NOTE Confidence: 0.86333877

02:54:06.840 --> 02:54:08.978 your classmates or did any of

NOTE Confidence: 0.86333877

02:54:08.978 --> 02:54:10.723 the program directors and someone

NOTE Confidence: 0.86333877

02:54:10.723 --> 02:54:12.679 is going to help you out.

NOTE Confidence: 0.86333877

02:54:12.680 --> 02:54:14.252 And help you figure things out

NOTE Confidence: 0.86333877

02:54:14.252 --> 02:54:15.300 and get through things,

NOTE Confidence: 0.86333877

02:54:15.300 --> 02:54:16.890 so that's been a great part

NOTE Confidence: 0.86333877

02:54:16.890 --> 02:54:18.180 of the program for me.

NOTE Confidence: 0.86902845

02:54:20.560 --> 02:54:22.909 So yeah, I mean this is my average day,

NOTE Confidence: 0.86902845

02:54:22.910 --> 02:54:24.476 so we just finished the first

NOTE Confidence: 0.86902845

02:54:24.476 --> 02:54:25.520 year this past semester.

NOTE Confidence: 0.86902845

02:54:25.520 --> 02:54:27.869 We had classes, so I would go to work.

NOTE Confidence: 0.86902845

02:54:27.870 --> 02:54:29.430 I have a long commute too,

NOTE Confidence: 0.86902845

02:54:29.430 --> 02:54:33.426 so it just kind of adds to my time.

NOTE Confidence: 0.86902845

02:54:33.430 --> 02:54:36.160 I'd come home help with my kids

NOTE Confidence: 0.86902845

02:54:36.160 --> 02:54:38.930 and then get to work at night.

NOTE Confidence: 0.86902845

02:54:38.930 --> 02:54:39.860 Usually reading,

NOTE Confidence: 0.86902845

02:54:39.860 --> 02:54:41.720 watching lectures and videos

NOTE Confidence: 0.86902845

02:54:41.720 --> 02:54:43.580 or completing assignments and

NOTE Confidence: 0.86902845

02:54:43.650 --> 02:54:45.546 then this past semester we had

NOTE Confidence: 0.86902845

02:54:45.546 --> 02:54:47.190 to do 10 observation days.

NOTE Confidence: 0.86902845

02:54:47.190 --> 02:54:49.150 So we just finished that.

NOTE Confidence: 0.86902845

02:54:49.150 --> 02:54:52.202 And so I was able to observe

NOTE Confidence: 0.86902845

02:54:52.202 --> 02:54:54.202 various specialties and various

NOTE Confidence: 0.86902845

02:54:54.202 --> 02:54:56.618 student counselors and then.

NOTE Confidence: 0.86902845

02:54:56.620 --> 02:54:58.318 Starting next week we go into

NOTE Confidence: 0.86902845

02:54:58.318 --> 02:55:00.233 our next semester and we'll have

NOTE Confidence: 0.86902845

02:55:00.233 --> 02:55:01.677 our full clinical rotations,

NOTE Confidence: 0.86902845

02:55:01.680 --> 02:55:04.515 which is about two to three days a week,

NOTE Confidence: 0.86902845

02:55:04.520 --> 02:55:07.698 and so I'm going to have to.

NOTE Confidence: 0.86902845

02:55:07.700 --> 02:55:08.645 Reduce my work.

NOTE Confidence: 0.86902845

02:55:08.645 --> 02:55:10.850 At this point I'll I'll be going

NOTE Confidence: 0.86902845

02:55:10.916 --> 02:55:12.799 down to two more like two or

NOTE Confidence: 0.86902845

02:55:12.799 --> 02:55:15.047 three days a week at work as well,

NOTE Confidence: 0.86902845

02:55:15.050 --> 02:55:17.850 because you just need to have that.

NOTE Confidence: 0.86902845

02:55:17.850 --> 02:55:19.572 All the extra clinic time you know

NOTE Confidence: 0.86902845

02:55:19.572 --> 02:55:21.190 will make working full time at

NOTE Confidence: 0.86902845

02:55:21.190 --> 02:55:22.570 this point pretty difficult, but.

NOTE Confidence: 0.8213503

02:55:24.930 --> 02:55:26.400 That's about all I have,

NOTE Confidence: 0.8213503

02:55:26.400 --> 02:55:28.744 so my email address is here as well,

NOTE Confidence: 0.8213503

02:55:28.750 --> 02:55:30.520 so if anyone has any questions,

NOTE Confidence: 0.8213503

02:55:30.520 --> 02:55:31.681 happy to answer.

NOTE Confidence: 0.8213503

02:55:31.681 --> 02:55:35.568 Or if you want to email me on the side.

NOTE Confidence: 0.8213503

02:55:35.570 --> 02:55:38.396 I'm happy to answer any questions

NOTE Confidence: 0.8213503

02:55:38.396 --> 02:55:40.940 or tell you more about.

NOTE Confidence: 0.8213503

02:55:40.940 --> 02:55:43.100 My experience is so thank you.

NOTE Confidence: 0.76193535

02:55:52.970 --> 02:55:56.190 Thanks Mike page. Do you wanna wrap

NOTE Confidence: 0.76193535

02:55:56.190 --> 02:55:59.650 us up here before our Q&A? Yes,

NOTE Confidence: 0.76193535

02:55:59.650 --> 02:56:02.506 so let me share my screen.

NOTE Confidence: 0.77001673

02:56:05.020 --> 02:56:06.330 Let's see.

NOTE Confidence: 0.88751626

02:56:10.550 --> 02:56:12.522 OK, can everybody see

NOTE Confidence: 0.88751626

02:56:12.522 --> 02:56:14.290 that right? Yep, awesome.

NOTE Confidence: 0.87115264

02:56:14.290 --> 02:56:16.408 So my name is Paige Clique.

NOTE Confidence: 0.87115264

02:56:16.410 --> 02:56:17.818 I live in Sacramento,

NOTE Confidence: 0.87115264

02:56:17.818 --> 02:56:19.924 CA and like Mike just said

NOTE Confidence: 0.87115264

02:56:19.924 --> 02:56:21.686 we just finished our first

NOTE Confidence: 0.87115264

02:56:21.686 --> 02:56:23.448 year at Bay Path University.

NOTE Confidence: 0.87115264

02:56:23.450 --> 02:56:25.556 My slides aren't super exciting so

NOTE Confidence: 0.87115264

02:56:25.556 --> 02:56:28.024 don't get your hopes up for this,

NOTE Confidence: 0.87115264

02:56:28.024 --> 02:56:30.488 but I'll give you a little bit

NOTE Confidence: 0.87115264

02:56:30.490 --> 02:56:32.596 of my background and kind of

NOTE Confidence: 0.87115264

02:56:32.600 --> 02:56:34.706 share my story and my experiences.

NOTE Confidence: 0.87115264

02:56:34.710 --> 02:56:36.820 In 2017. I graduated from BYU,

NOTE Confidence: 0.87115264

02:56:36.820 --> 02:56:39.282 Hawaii with a bachelors degree in biomedical

NOTE Confidence: 0.87115264

02:56:39.282 --> 02:56:41.394 Sciences with a minor in biochemistry.

NOTE Confidence: 0.87115264

02:56:41.394 --> 02:56:43.508 I actually thought that I wanted

NOTE Confidence: 0.87115264

02:56:43.510 --> 02:56:45.272 to be a medical geneticists.

NOTE Confidence: 0.87115264

02:56:45.272 --> 02:56:47.778 I applied to medical school but kind

NOTE Confidence: 0.87115264

02:56:47.780 --> 02:56:49.250 of partly through that process.

NOTE Confidence: 0.87115264

02:56:49.250 --> 02:56:51.025 I realized that that's not really

NOTE Confidence: 0.87115264

02:56:51.025 --> 02:56:53.380 what I wanted to do an I preferred

NOTE Confidence: 0.87115264

02:56:53.380 --> 02:56:54.860 the genetic counselor aspect of

NOTE Confidence: 0.87115264

02:56:54.860 --> 02:56:56.626 patient care better and kind of

NOTE Confidence: 0.87115264

02:56:56.626 --> 02:56:58.395 switched gears a little bit there.

NOTE Confidence: 0.87115264

02:56:58.395 --> 02:57:00.960 So in the fall of 2018, I applied to

NOTE Confidence: 0.87115264

02:57:00.960 --> 02:57:03.410 the boy C state program an like Mike.

NOTE Confidence: 0.87115264

02:57:03.410 --> 02:57:05.680 I wasn't really in a position to be able

NOTE Confidence: 0.87115264

02:57:05.680 --> 02:57:08.128 to move and attend an interesting program,

NOTE Confidence: 0.87115264

02:57:08.130 --> 02:57:10.195 and I didn't even know of the

NOTE Confidence: 0.87115264

02:57:10.195 --> 02:57:11.968 Bay Path program at that point,

NOTE Confidence: 0.87115264

02:57:11.968 --> 02:57:13.740 so I applied to boy, see,

NOTE Confidence: 0.87115264

02:57:13.740 --> 02:57:16.485 I interviewed with them, but I do not match.

NOTE Confidence: 0.87115264

02:57:16.485 --> 02:57:18.795 And the following year I applied

NOTE Confidence: 0.87115264

02:57:18.795 --> 02:57:20.420 to both Boisi anbe path.

NOTE Confidence: 0.87115264

02:57:20.420 --> 02:57:22.625 I interviewed at both of them and

NOTE Confidence: 0.87115264

02:57:22.625 --> 02:57:25.088 then of course I matched at Bay Path,

NOTE Confidence: 0.87115264

02:57:25.090 --> 02:57:27.228 which was my first choice.

NOTE Confidence: 0.87115264

02:57:27.230 --> 02:57:28.434 And so you know,

NOTE Confidence: 0.87115264

02:57:28.434 --> 02:57:30.240 there are some of you listening

NOTE Confidence: 0.87115264

02:57:30.240 --> 02:57:31.440 that have applied before

NOTE Confidence: 0.88396263

02:57:31.440 --> 02:57:32.648 Internet match or some

NOTE Confidence: 0.88396263

02:57:32.650 --> 02:57:34.454 of you who will probably experience

NOTE Confidence: 0.88396263

02:57:34.454 --> 02:57:36.260 that in the future. And that's

NOTE Confidence: 0.88396263

02:57:36.260 --> 02:57:38.069 a horrible feeling. I think I'll

NOTE Confidence: 0.88396263

02:57:38.070 --> 02:57:38.970 always remember how

NOTE Confidence: 0.88396263

02:57:38.970 --> 02:57:40.470 disappointed I was in myself.

NOTE Confidence: 0.88396263

02:57:40.470 --> 02:57:42.654 That first match day when I didn't

NOTE Confidence: 0.88396263

02:57:42.654 --> 02:57:44.690 match and it's OK to be disappointed.

NOTE Confidence: 0.88396263

02:57:44.690 --> 02:57:47.098 It's OK to be sad and take a

NOTE Confidence: 0.88396263

02:57:47.098 --> 02:57:48.600 moment to feel those feelings,

NOTE Confidence: 0.88396263

02:57:48.600 --> 02:57:51.007 but you need to pick yourself up and

NOTE Confidence: 0.88396263

02:57:51.007 --> 02:57:53.720 figure out what you need to do to make

NOTE Confidence: 0.88396263

02:57:53.720 --> 02:57:55.522 yourself more prepared for next time.

NOTE Confidence: 0.88396263

02:57:55.522 --> 02:57:58.234 And I just want to add that it's not

NOTE Confidence: 0.88396263

02:57:58.234 --> 02:57:59.520 necessarily about making yourself.

NOTE Confidence: 0.88396263

02:57:59.520 --> 02:58:01.560 Look better as an applicant and

NOTE Confidence: 0.88396263

02:58:01.560 --> 02:58:03.278 making the schools like you,

NOTE Confidence: 0.88396263

02:58:03.280 --> 02:58:03.600 but

NOTE Confidence: 0.87790704

02:58:03.600 --> 02:58:05.889 it's really about preparing yourself to begin

NOTE Confidence: 0.87790704

02:58:05.890 --> 02:58:07.198 grad school and actually

NOTE Confidence: 0.87790704

02:58:07.200 --> 02:58:08.510 being ready for that.

NOTE Confidence: 0.8545573

02:58:09.550 --> 02:58:12.587 So during my undergrad I was a tutor for

NOTE Confidence: 0.8545573

02:58:12.587 --> 02:58:14.609 the genetics class at my university,

NOTE Confidence: 0.8545573

02:58:14.610 --> 02:58:16.780 but aside from that I didn't really

NOTE Confidence: 0.8545573

02:58:16.780 --> 02:58:19.326 have a lot of work experience that

NOTE Confidence: 0.8545573

02:58:19.326 --> 02:58:21.008 was directly related to genetics,

NOTE Confidence: 0.8545573

02:58:21.008 --> 02:58:24.038 so a lot of my current classmates have worked

NOTE Confidence: 0.8545573

02:58:24.038 --> 02:58:27.076 in a lab like Mike or word bcas before,

NOTE Confidence: 0.8545573

02:58:27.076 --> 02:58:29.428 and I did not have an opportunity

NOTE Confidence: 0.8545573

02:58:29.428 --> 02:58:31.121 for any of those jobs.

NOTE Confidence: 0.8545573

02:58:31.121 --> 02:58:33.849 So if you're in a position like me

NOTE Confidence: 0.8545573

02:58:33.849 --> 02:58:36.219 where you don't feel like you have

NOTE Confidence: 0.8545573

02:58:36.219 --> 02:58:38.114 that job experience that's directly

NOTE Confidence: 0.8545573

02:58:38.114 --> 02:58:39.630 related to genetic counseling.

NOTE Confidence: 0.8545573

02:58:39.630 --> 02:58:40.738 Don't worry about it.

NOTE Confidence: 0.8545573

02:58:40.738 --> 02:58:43.375 I did learn a lot of skills in my

NOTE Confidence: 0.8545573

02:58:43.375 --> 02:58:45.193 other jobs that can be applied

NOTE Confidence: 0.8545573

02:58:45.193 --> 02:58:46.819 to genetic counseling.

NOTE Confidence: 0.8545573

02:58:46.820 --> 02:58:48.788 So if you're in that position,

NOTE Confidence: 0.8545573

02:58:48.790 --> 02:58:50.746 just make sure that in your

NOTE Confidence: 0.8545573

02:58:50.746 --> 02:58:51.724 application in your

NOTE Confidence: 0.8770013

02:58:51.730 --> 02:58:52.711 interview that you're

NOTE Confidence: 0.8770013

02:58:52.711 --> 02:58:54.346 able to express how those

NOTE Confidence: 0.8770013

02:58:54.350 --> 02:58:56.306 unrelated jobs can help you both.

NOTE Confidence: 0.8770013

02:58:56.310 --> 02:58:59.578 As a grad student and as a future GC so

NOTE Confidence: 0.8770013

02:58:59.580 --> 02:59:01.862 you don't have to have those specific

NOTE Confidence: 0.8770013

02:59:01.862 --> 02:59:04.370 job experiences and genetics. Going on

NOTE Confidence: 0.86187136

02:59:04.370 --> 02:59:05.478 to what I did

NOTE Confidence: 0.86187136

02:59:05.480 --> 02:59:07.160 do and then also what I

NOTE Confidence: 0.86187136

02:59:07.160 --> 02:59:08.798 did to improve myself after not

NOTE Confidence: 0.86187136

02:59:08.798 --> 02:59:10.230 matching before I applied again.

NOTE Confidence: 0.86187136

02:59:10.230 --> 02:59:12.454 Of course the number one thing is shadowing.

NOTE Confidence: 0.86187136

02:59:12.460 --> 02:59:14.128 I'm sure you hear that all

NOTE Confidence: 0.86187136

02:59:14.130 --> 02:59:15.810 the time and I know that's

NOTE Confidence: 0.86187136

02:59:15.810 --> 02:59:17.496 difficult now with COVID as well.

NOTE Confidence: 0.86187136

02:59:17.496 --> 02:59:19.512 So the first time I applied I

NOTE Confidence: 0.86187136

02:59:19.512 --> 02:59:21.385 had shadowed at one clinic and

NOTE Confidence: 0.86187136

02:59:21.385 --> 02:59:23.380 I was there for a month.

NOTE Confidence: 0.86187136

02:59:23.380 --> 02:59:25.473 But I still felt like when I

NOTE Confidence: 0.86187136

02:59:25.473 --> 02:59:26.970 was applying again, I needed

NOTE Confidence: 0.85725

02:59:26.970 --> 02:59:29.360 to have a little bit more of a

NOTE Confidence: 0.85725

02:59:29.360 --> 02:59:30.858 varied experience just to help

NOTE Confidence: 0.85725

02:59:30.858 --> 02:59:32.646 me know really what to expect

NOTE Confidence: 0.85725

02:59:32.650 --> 02:59:34.080 from how different clinics run

NOTE Confidence: 0.85725

02:59:34.080 --> 02:59:36.188 as well as just to have something

NOTE Confidence: 0.85725

02:59:36.188 --> 02:59:38.030 else to add to that resume.

NOTE Confidence: 0.85725

02:59:38.030 --> 02:59:40.116 So I shot out two additional clinics,

NOTE Confidence: 0.85725

02:59:40.120 --> 02:59:41.620 all of which were Pediatrics,

NOTE Confidence: 0.85725

02:59:41.620 --> 02:59:44.010 which is what I want to work in,

NOTE Confidence: 0.85725

02:59:44.010 --> 02:59:46.396 so that's just helpful to see how different

NOTE Confidence: 0.85725

02:59:46.396 --> 02:59:47.900 institutions and providers do things.

NOTE Confidence: 0.85725

02:59:47.900 --> 02:59:49.688 I'll go through this other stuff

NOTE Confidence: 0.85725

02:59:49.690 --> 02:59:50.890 pretty quickly, 'cause Maria

NOTE Confidence: 0.85725

02:59:50.890 --> 02:59:54.020 kind of gave you a pretty good.

NOTE Confidence: 0.86774546

02:59:54.020 --> 02:59:56.263 Intro to some of this stuff.

NOTE Confidence: 0.86774546

02:59:56.263 --> 02:59:58.135 I also attended some conferences

NOTE Confidence: 0.86774546

02:59:58.135 --> 02:59:59.632 like the Muscular Dystrophy

NOTE Confidence: 0.86774546

02:59:59.632 --> 03:00:01.125 Association engaged DMD Symposium.

NOTE Confidence: 0.86774546

03:00:01.125 --> 03:00:03.373 There was an event very similar

NOTE Confidence: 0.86774546

03:00:03.373 --> 03:00:05.990 to this that I attended in person

NOTE Confidence: 0.86774546

03:00:05.990 --> 03:00:08.610 that was in the Bay Area of

NOTE Confidence: 0.86774546

03:00:08.610 --> 03:00:11.730 California a couple years ago.

NOTE Confidence: 0.86774546

03:00:11.730 --> 03:00:13.536 Outside of my normal volunteer work,

NOTE Confidence: 0.86774546

03:00:13.540 --> 03:00:15.654 I did not have any specific crisis

NOTE Confidence: 0.86774546

03:00:15.654 --> 03:00:17.449 counseling the first time I applied,

NOTE Confidence: 0.86774546

03:00:17.450 --> 03:00:19.682 so I went through a crisis training

NOTE Confidence: 0.86774546

03:00:19.682 --> 03:00:21.512 and began volunteering with the

NOTE Confidence: 0.86774546

03:00:21.512 --> 03:00:22.920 California Youth Crisis line.

NOTE Confidence: 0.86774546

03:00:22.920 --> 03:00:25.240 And then the most comprehensive part of my

NOTE Confidence: 0.8902449

03:00:25.240 --> 03:00:26.690 application was my volunteer work.

NOTE Confidence: 0.8902449

03:00:26.690 --> 03:00:29.300 So these are just a few of the logos

NOTE Confidence: 0.8902449

03:00:29.300 --> 03:00:31.040 from some of the organizations that

NOTE Confidence: 0.8902449

03:00:31.040 --> 03:00:33.070 I volunteered with, so I don't need

NOTE Confidence: 0.8902449

03:00:33.070 --> 03:00:35.680 to go into this too much. But you can

NOTE Confidence: 0.8902449

03:00:35.680 --> 03:00:38.310 see I have a mix of a lot of different

NOTE Confidence: 0.8902449

03:00:38.385 --> 03:00:40.610 things, so while I do have some

NOTE Confidence: 0.8902449

03:00:40.610 --> 03:00:42.366 organizations that are related to more

NOTE Confidence: 0.8902449

03:00:42.366 --> 03:00:44.670 of the medical side of things and some

NOTE Confidence: 0.8902449

03:00:44.670 --> 03:00:46.120 genetic things like muscular dystrophy,

NOTE Confidence: 0.8902449

03:00:46.120 --> 03:00:47.280 of course the American

NOTE Confidence: 0.8902449

03:00:47.280 --> 03:00:48.440 Cancer Association as well.

NOTE Confidence: 0.8902449

03:00:48.440 --> 03:00:51.050 There are some other things in there as well,

NOTE Confidence: 0.8902449

03:00:51.050 --> 03:00:53.670 so it is important for me to be more

NOTE Confidence: 0.8902449

03:00:53.670 --> 03:00:55.735 well rounded and have a variety of

NOTE Confidence: 0.8902449

03:00:55.735 --> 03:00:57.510 different experiences volunteering.

NOTE Confidence: 0.8902449

03:00:57.510 --> 03:01:00.165 And then going on to what I do now

NOTE Confidence: 0.8902449

03:01:00.165 --> 03:01:02.768 every day I have a 9 month old daughter.

NOTE Confidence: 0.8902449

03:01:02.768 --> 03:01:05.094 She was two months old when I started

NOTE Confidence: 0.8902449

03:01:05.094 --> 03:01:07.542 my program and so I love our online

NOTE Confidence: 0.8902449

03:01:07.542 --> 03:01:09.900 format because it allows me to do my

NOTE Confidence: 0.8902449

03:01:09.900 --> 03:01:11.375 schoolwork while she's not being,

NOTE Confidence: 0.8902449

03:01:11.380 --> 03:01:13.740 or she spends a lot of time just

NOTE Confidence: 0.8902449

03:01:13.740 --> 03:01:15.840 sitting on the floor next to me

NOTE Confidence: 0.8902449

03:01:15.840 --> 03:01:17.575 playing while I'm doing my work.

NOTE Confidence: 0.8902449

03:01:17.575 --> 03:01:20.225 So if she needs me, I can stop what

NOTE Confidence: 0.8902449

03:01:20.225 --> 03:01:22.590 I'm doing and come back to it later.

NOTE Confidence: 0.8902449

03:01:22.590 --> 03:01:25.514 So that is one reason that I really love our

NOTE Confidence: 0.8902449

03:01:25.514 --> 03:01:28.040 program and the online format of it because.

NOTE Confidence: 0.8902449

03:01:28.040 --> 03:01:30.762 I don't have to leave my baby and I

NOTE Confidence: 0.8902449

03:01:30.762 --> 03:01:33.480 don't have to go sit in class all day,

NOTE Confidence: 0.8902449

03:01:33.480 --> 03:01:35.860 so I would guess that I spend

NOTE Confidence: 0.8902449

03:01:35.860 --> 03:01:38.280 about 25 hours a week on school.

NOTE Confidence: 0.8902449

03:01:38.280 --> 03:01:39.432 I asked my husband.

NOTE Confidence: 0.8902449

03:01:39.432 --> 03:01:41.750 He thinks I spend a lot longer than,

NOTE Confidence: 0.8902449

03:01:41.750 --> 03:01:43.766 but I would say about 25 hours,

NOTE Confidence: 0.8902449

03:01:43.770 --> 03:01:44.350 maybe longer,

NOTE Confidence: 0.8902449

03:01:44.350 --> 03:01:46.084 but I do get interrupted a

NOTE Confidence: 0.8902449

03:01:46.084 --> 03:01:47.524 lot because of my baby.

NOTE Confidence: 0.8902449

03:01:47.524 --> 03:01:49.550 So you probably could get all of

NOTE Confidence: 0.8902449

03:01:49.550 --> 03:01:53.018 your work done faster if you're

NOTE Confidence: 0.87816846

03:01:51.290 --> 03:01:53.020 able to have uninterrupted time. That

NOTE Confidence: 0.87816846

03:01:53.020 --> 03:01:55.810 set aside and focus on that.

NOTE Confidence: 0.87816846

03:01:55.810 --> 03:01:57.869 So some of the things that

NOTE Confidence: 0.87816846

03:01:57.870 --> 03:01:59.940 we do in our program. Of

NOTE Confidence: 0.8883738

03:01:59.940 --> 03:02:01.660 course, we watch our lectures.

NOTE Confidence: 0.8883738

03:02:01.660 --> 03:02:02.689 Those are almost

NOTE Confidence: 0.8883738

03:02:02.690 --> 03:02:05.063 all pre recorded so you can watch

NOTE Confidence: 0.8883738

03:02:05.063 --> 03:02:07.846 it on your own time like Mike has

NOTE Confidence: 0.8883738

03:02:07.846 --> 03:02:10.256 to go to work during the day.

NOTE Confidence: 0.8883738

03:02:10.256 --> 03:02:12.663 He can do it later at night.

NOTE Confidence: 0.8883738

03:02:12.663 --> 03:02:14.040 Everybody in our program

NOTE Confidence: 0.8883738

03:02:14.040 --> 03:02:15.420 has a different situation.

NOTE Confidence: 0.8883738

03:02:15.420 --> 03:02:18.164 There are some of our classmates still work.

NOTE Confidence: 0.8883738

03:02:18.170 --> 03:02:20.580 A lot of us have kids, everybody's

NOTE Confidence: 0.8883738

03:02:20.580 --> 03:02:22.638 different. So it's really a great

NOTE Confidence: 0.8883738

03:02:22.640 --> 03:02:25.049 way to be able to personalize our

NOTE Confidence: 0.864718851428571

03:02:25.050 --> 03:02:27.486 experience. And be able to make it

NOTE Confidence: 0.86077636

03:02:27.490 --> 03:02:28.810 work with our own

NOTE Confidence: 0.86077636

03:02:28.810 --> 03:02:30.130 needs and our schedules

NOTE Confidence: 0.86077636

03:02:30.130 --> 03:02:31.129 so we watch

NOTE Confidence: 0.86077636

03:02:31.130 --> 03:02:33.116 lectures. We have chapters that we

NOTE Confidence: 0.86077636

03:02:33.116 --> 03:02:35.100 read in our textbooks, other articles.

NOTE Confidence: 0.86077636

03:02:35.100 --> 03:02:37.338 Sometimes there are supplementary videos.

NOTE Confidence: 0.86077636

03:02:37.340 --> 03:02:39.448 Most of our assignments are due Sunday, so

NOTE Confidence: 0.8976629

03:02:39.450 --> 03:02:42.047 we have the whole week to work

NOTE Confidence: 0.8976629

03:02:42.047 --> 03:02:43.840 on it. Discussion boards we

NOTE Confidence: 0.8677067

03:02:43.840 --> 03:02:45.940 do where we answer the question.

NOTE Confidence: 0.8677067

03:02:45.940 --> 03:02:48.770 We respond to our classmates. We

NOTE Confidence: 0.8961931

03:02:48.770 --> 03:02:51.290 have a lot of group projects that we do.

NOTE Confidence: 0.8961931

03:02:51.290 --> 03:02:53.530 We work together a lot with our classmates.

NOTE Confidence: 0.8961931

03:02:53.530 --> 03:02:55.490 We do role plays or one of

NOTE Confidence: 0.8961931

03:02:55.490 --> 03:02:56.958 us is a genetic counselor.

NOTE Confidence: 0.8961931

03:02:56.958 --> 03:02:59.478 One of us is the patient just to

NOTE Confidence: 0.8961931

03:02:59.478 --> 03:03:01.158 practice some of those skills.

NOTE Confidence: 0.8961931

03:03:01.160 --> 03:03:02.816 We have video presentations where

NOTE Confidence: 0.8961931

03:03:02.816 --> 03:03:04.470 we record ourselves giving the

NOTE Confidence: 0.8961931

03:03:04.470 --> 03:03:06.125 presentation for our classmates to

NOTE Confidence: 0.8961931

03:03:06.125 --> 03:03:07.780 watch all the other assignments,

NOTE Confidence: 0.8873569

03:03:07.780 --> 03:03:09.435 quizzes, tests, things that you

NOTE Confidence: 0.8873569

03:03:09.435 --> 03:03:12.230 would expect from a program.

NOTE Confidence: 0.8810206

03:03:12.230 --> 03:03:15.218 Something that I wish I knew.

NOTE Confidence: 0.8810206

03:03:15.220 --> 03:03:16.400 I get this question.

NOTE Confidence: 0.8810206

03:03:16.400 --> 03:03:17.875 I've talked to some applicants

NOTE Confidence: 0.8810206

03:03:17.875 --> 03:03:19.141 before and they always ask

NOTE Confidence: 0.8810206

03:03:19.141 --> 03:03:21.560 me what I wish I knew.

NOTE Confidence: 0.8810206

03:03:21.560 --> 03:03:23.340 While our program isn't easy,

NOTE Confidence: 0.8810206

03:03:23.340 --> 03:03:24.399 it definitely isn't

NOTE Confidence: 0.8593426

03:03:24.400 --> 03:03:27.595 easy by any means. There is a lot of

NOTE Confidence: 0.8593426

03:03:27.600 --> 03:03:29.020 work. It's very doable.

NOTE Confidence: 0.8593426

03:03:29.020 --> 03:03:30.440 Our program faculty is

NOTE Confidence: 0.8593426

03:03:30.440 --> 03:03:33.150 wonderful. We love them there. They're

NOTE Confidence: 0.87277955

03:03:33.150 --> 03:03:34.222 very flexible. They are

NOTE Confidence: 0.87277955

03:03:34.222 --> 03:03:36.060 very easy to get a hold of.

NOTE Confidence: 0.87277955

03:03:36.060 --> 03:03:37.108 If we need anything

NOTE Confidence: 0.87277955

03:03:37.110 --> 03:03:38.867 we can reach them easily and they'll

NOTE Confidence: 0.87277955

03:03:38.867 --> 03:03:40.550 help us with whatever we need.

NOTE Confidence: 0.87277955

03:03:40.550 --> 03:03:41.334 Like Mike said,

NOTE Confidence: 0.87277955

03:03:41.334 --> 03:03:42.655 everybody wants us to succeed.

NOTE Confidence: 0.87277955

03:03:42.655 --> 03:03:45.500 Nobody's out to get us.

NOTE Confidence: 0.87723845

03:03:45.500 --> 03:03:47.644 Very helpful if we need anything like I

NOTE Confidence: 0.87723845

03:03:47.644 --> 03:03:50.332 said, So what I wish I knew is that is

NOTE Confidence: 0.87723845

03:03:50.340 --> 03:03:51.420 not as scary as

NOTE Confidence: 0.87723845

03:03:51.420 --> 03:03:52.488 people make it up

NOTE Confidence: 0.87723845

03:03:52.490 --> 03:03:54.644 to be an our faculty. They treat us

NOTE Confidence: 0.87723845

03:03:54.644 --> 03:03:55.990 like professionals and like adults,

NOTE Confidence: 0.87723845

03:03:55.990 --> 03:03:58.138 not like little kids, which is great. And

NOTE Confidence: 0.87723845

03:03:58.140 --> 03:04:00.674 that's of course how it should be.

NOTE Confidence: 0.87723845

03:04:00.680 --> 03:04:03.504 So just one tip that I have is to

NOTE Confidence: 0.87723845

03:04:03.504 --> 03:04:06.020 plan your week out ahead of time time

NOTE Confidence: 0.87723845

03:04:06.020 --> 03:04:07.585 management again. Like touched on,

NOTE Confidence: 0.87723845

03:04:07.585 --> 03:04:09.790 this is crucial because it is a

NOTE Confidence: 0.8793968

03:04:09.790 --> 03:04:11.848 lot of work and it's a lot

NOTE Confidence: 0.8793968

03:04:11.848 --> 03:04:13.550 of material to cover. And

NOTE Confidence: 0.8793968

03:04:13.550 --> 03:04:15.434 if you wait until the last

NOTE Confidence: 0.8793968

03:04:15.434 --> 03:04:16.380 minute, it's definitely

NOTE Confidence: 0.8793968

03:04:16.380 --> 03:04:18.144 not going to work out very

NOTE Confidence: 0.8793968

03:04:18.144 --> 03:04:20.150 well for you and then again,

NOTE Confidence: 0.8793968

03:04:20.150 --> 03:04:22.969 another tip I have is if it's been awhile

NOTE Confidence: 0.8793968

03:04:22.970 --> 03:04:24.859 since taking some of those fundamental

NOTE Confidence: 0.8793968

03:04:24.859 --> 03:04:26.430 classes like genetics or Embryology,

NOTE Confidence: 0.8793968

03:04:26.430 --> 03:04:29.042 maybe brush up a little bit on

NOTE Confidence: 0.8793968

03:04:29.042 --> 03:04:31.647 those before starting your program.

NOTE Confidence: 0.8793968

03:04:31.650 --> 03:04:34.215 I think that's everything that I have to say,

NOTE Confidence: 0.8793968

03:04:34.220 --> 03:04:36.152 but here's my email address if you

NOTE Confidence: 0.8793968

03:04:36.152 --> 03:04:37.940 have any specific questions for me,

NOTE Confidence: 0.8793968

03:04:37.940 --> 03:04:40.230 or if you need any help with anything.

NOTE Confidence: 0.876584

03:04:46.140 --> 03:04:49.898 Alright, and that brings us

NOTE Confidence: 0.876584

03:04:49.898 --> 03:04:54.230 to our official Q&A section.

NOTE Confidence: 0.90188515

03:04:54.230 --> 03:04:57.116 Like I said, I will put

NOTE Confidence: 0.90188515

03:04:57.116 --> 03:04:59.040 up everyones emails here.

NOTE Confidence: 0.90188515

03:04:59.040 --> 03:05:01.752 I just ask that you all as participants

NOTE Confidence: 0.90188515

03:05:01.752 --> 03:05:03.823 be mindful that as much as we

NOTE Confidence: 0.90188515

03:05:03.823 --> 03:05:05.606 would love to have a shadowing

NOTE Confidence: 0.90188515

03:05:05.606 --> 03:05:07.928 opportunity for every single one of

NOTE Confidence: 0.90188515

03:05:07.928 --> 03:05:10.430 you that is just not something that

NOTE Confidence: 0.90188515

03:05:10.430 --> 03:05:12.440 we can accommodate at this time.

NOTE Confidence: 0.90188515

03:05:12.440 --> 03:05:14.720 So feel free to email our panelists today

NOTE Confidence: 0.90188515

03:05:14.720 --> 03:05:17.129 if you have any particular questions,

NOTE Confidence: 0.90188515

03:05:17.130 --> 03:05:18.785 maybe about their experience or

NOTE Confidence: 0.90188515

03:05:18.785 --> 03:05:20.820 something that they had talked about,

NOTE Confidence: 0.90188515

03:05:20.820 --> 03:05:22.830 or a follow-up question that isn't

NOTE Confidence: 0.90188515

03:05:22.830 --> 03:05:24.170 addressed during this portion.

NOTE Confidence: 0.90188515

03:05:24.170 --> 03:05:26.515 But if you do ask about shadowing

NOTE Confidence: 0.90188515

03:05:26.515 --> 03:05:26.850 opportunities,

NOTE Confidence: 0.90188515

03:05:26.850 --> 03:05:29.530 we're all going to say the same thing,

NOTE Confidence: 0.90188515

03:05:29.530 --> 03:05:31.945 so we'd appreciate it if you just.

NOTE Confidence: 0.90188515

03:05:31.950 --> 03:05:33.158 Be mindful of that,

NOTE Confidence: 0.90188515

03:05:33.158 --> 03:05:35.528 and of course if you have any

NOTE Confidence: 0.90188515

03:05:35.528 --> 03:05:36.989 questions more generally,

NOTE Confidence: 0.90188515

03:05:36.990 --> 03:05:40.413 you can send me Alex an email

NOTE Confidence: 0.90188515

03:05:40.413 --> 03:05:43.519 and my email is down here.

NOTE Confidence: 0.90188515

03:05:43.520 --> 03:05:45.800 But I think to start the Q&A I

NOTE Confidence: 0.90188515

03:05:45.800 --> 03:05:48.149 just wanted to turn it over to the

NOTE Confidence: 0.90188515

03:05:48.149 --> 03:05:50.185 panelists to say if there's anything

NOTE Confidence: 0.90188515

03:05:50.185 --> 03:05:53.083 that they had forgotten to talk about.

NOTE Confidence: 0.90188515

03:05:53.090 --> 03:05:54.740 Or seeing these questions if

NOTE Confidence: 0.90188515

03:05:54.740 --> 03:05:56.060 that brought up something,

NOTE Confidence: 0.90188515

03:05:56.060 --> 03:05:57.710 anything that you would like

NOTE Confidence: 0.90188515

03:05:57.710 --> 03:05:58.700 to address before.

NOTE Confidence: 0.90188515

03:05:58.700 --> 03:06:00.680 I guess we just start picking.

NOTE Confidence: 0.90188515

03:06:00.680 --> 03:06:02.000 Start picking different questions.

NOTE Confidence: 0.90188515

03:06:02.000 --> 03:06:02.660 Sure I

NOTE Confidence: 0.85876554

03:06:02.660 --> 03:06:03.980 can. I just address

NOTE Confidence: 0.85876554

03:06:03.980 --> 03:06:06.572 the match system because I feel like a

NOTE Confidence: 0.85876554

03:06:06.572 --> 03:06:09.259 couple of people have asked in the Q&A.

NOTE Confidence: 0.85876554

03:06:09.260 --> 03:06:11.444 So what the match system is anybody

NOTE Confidence: 0.85876554

03:06:11.444 --> 03:06:14.144 who wants to apply to a genetic

NOTE Confidence: 0.85876554

03:06:14.144 --> 03:06:15.836 counseling training program must.

NOTE Confidence: 0.85876554

03:06:15.840 --> 03:06:18.114 They must register with the this

NOTE Confidence: 0.85876554

03:06:18.114 --> 03:06:20.691 match company and you get a number

NOTE Confidence: 0.85876554

03:06:20.691 --> 03:06:23.020 and then every place you want to

NOTE Confidence: 0.85876554

03:06:23.020 --> 03:06:25.425 apply you have to include this number

NOTE Confidence: 0.85876554

03:06:25.425 --> 03:06:27.578 once you go through the application

NOTE Confidence: 0.85876554

03:06:27.578 --> 03:06:29.960 process and if you get interviewed

NOTE Confidence: 0.85876554

03:06:29.960 --> 03:06:32.449 then you need to put your schools

NOTE Confidence: 0.85876554

03:06:32.449 --> 03:06:34.150 that you have interviewed with.

NOTE Confidence: 0.85876554

03:06:34.150 --> 03:06:37.110 You rank them in order of where you

NOTE Confidence: 0.85876554

03:06:37.110 --> 03:06:39.528 would like to go and the schools

NOTE Confidence: 0.85876554

03:06:39.530 --> 03:06:41.861 rank in order of the students that

NOTE Confidence: 0.85876554

03:06:41.861 --> 03:06:44.152 they wish to have participate in

NOTE Confidence: 0.85876554

03:06:44.152 --> 03:06:46.276 the program and those are binding.

NOTE Confidence: 0.85876554

03:06:46.276 --> 03:06:47.548 Then match, that happens.

NOTE Confidence: 0.85876554

03:06:47.550 --> 03:06:49.454 It's usually like April 23rd ISH and

NOTE Confidence: 0.85876554

03:06:49.454 --> 03:06:51.477 then it's all put into a computer

NOTE Confidence: 0.85876554

03:06:51.477 --> 03:06:53.205 system and you're matched up that

NOTE Confidence: 0.85876554

03:06:53.264 --> 03:06:55.056 way and it works out really well,

NOTE Confidence: 0.85876554

03:06:55.060 --> 03:06:56.450 but it is binding an.

NOTE Confidence: 0.85876554

03:06:56.450 --> 03:06:58.389 You do have to sign documents and

NOTE Confidence: 0.85876554

03:06:58.390 --> 03:07:00.066 you cannot like there's no sneaking

NOTE Confidence: 0.85876554

03:07:00.066 --> 03:07:02.012 around the back and there's no like

NOTE Confidence: 0.85876554

03:07:02.012 --> 03:07:04.234 saying oh I'm going to put you first

NOTE Confidence: 0.85876554

03:07:04.234 --> 03:07:06.180 now I'm going to put you first.

NOTE Confidence: 0.85876554

03:07:06.180 --> 03:07:08.396 It's like you know you have to follow.

NOTE Confidence: 0.85876554

03:07:08.400 --> 03:07:10.068 Follow the rules and it's worked

NOTE Confidence: 0.85876554

03:07:10.070 --> 03:07:10.898 out pretty well.

NOTE Confidence: 0.85876554

03:07:10.900 --> 03:07:11.456 It's been,

NOTE Confidence: 0.85876554

03:07:11.456 --> 03:07:13.958 I think three years so it's worked out well.

NOTE Confidence: 0.85061103

03:07:19.900 --> 03:07:22.956 Perfect yeah, I did see a lot of

NOTE Confidence: 0.85061103

03:07:22.956 --> 03:07:24.970 different questions about the match.

NOTE Confidence: 0.8831781

03:07:27.600 --> 03:07:29.430 And I don't know calling

NOTE Confidence: 0.8831781

03:07:29.430 --> 03:07:31.260 if you could speak to.

NOTE Confidence: 0.8831781

03:07:31.260 --> 03:07:32.948 You know the percentage

NOTE Confidence: 0.8831781

03:07:32.948 --> 03:07:34.636 of second year applicants,

NOTE Confidence: 0.8831781

03:07:34.640 --> 03:07:39.080 or you know that you so gosh.

NOTE Confidence: 0.8852889

03:07:39.080 --> 03:07:41.418 You know those numbers are out there?

NOTE Confidence: 0.8852889

03:07:41.420 --> 03:07:44.760 I don't know them off the top of my head.

NOTE Confidence: 0.8852889

03:07:44.760 --> 03:07:46.758 I know that consistently about 50%

NOTE Confidence: 0.8852889

03:07:46.760 --> 03:07:48.770 of applicants match, so I I'm.

NOTE Confidence: 0.8852889

03:07:48.770 --> 03:07:50.435 I'm sorry I don't know

NOTE Confidence: 0.8852889

03:07:50.435 --> 03:07:51.767 they're definitely out there.

NOTE Confidence: 0.8852889

03:07:51.770 --> 03:07:53.370 I just don't know them

NOTE Confidence: 0.8852889

03:07:53.370 --> 03:07:55.450 off the top of my head.

NOTE Confidence: 0.9007138

03:07:58.200 --> 03:07:59.950 That's OK, I'm sure there's

NOTE Confidence: 0.9007138

03:07:59.950 --> 03:08:02.050 a lot of data on that,

NOTE Confidence: 0.9007138

03:08:02.050 --> 03:08:04.012 but I think that's something I

NOTE Confidence: 0.9007138

03:08:04.012 --> 03:08:08.580 had seen in the questions as well.

NOTE Confidence: 0.9007138

03:08:08.580 --> 03:08:10.518 And for our practicing genetic counselors,

NOTE Confidence: 0.9007138

03:08:10.520 --> 03:08:12.314 there were a lot of questions

NOTE Confidence: 0.9007138

03:08:12.314 --> 03:08:14.070 about self care and burnout,

NOTE Confidence: 0.9007138

03:08:14.070 --> 03:08:16.644 and I know our team of panelists have been

NOTE Confidence: 0.9007138

03:08:16.644 --> 03:08:18.916 answering these questions throughout the Q&A.

NOTE Confidence: 0.9007138

03:08:18.920 --> 03:08:21.209 But I do think it's an important

NOTE Confidence: 0.9007138

03:08:21.209 --> 03:08:22.470 point to touch on.

NOTE Confidence: 0.9007138

03:08:22.470 --> 03:08:25.060 If anyone could talk about.

NOTE Confidence: 0.9007138

03:08:25.060 --> 03:08:27.610 Either at work or during their

NOTE Confidence: 0.9007138

03:08:27.610 --> 03:08:29.346 genetic counseling program, how?

NOTE Confidence: 0.9007138

03:08:29.346 --> 03:08:31.626 Burnout was approached and how

NOTE Confidence: 0.9007138

03:08:31.626 --> 03:08:34.420 we handle it and the field.

NOTE Confidence: 0.88167006

03:08:39.070 --> 03:08:40.897 We talk to each other a lot.

NOTE Confidence: 0.87165815

03:08:43.850 --> 03:08:46.320 Very true, yeah. I was going

NOTE Confidence: 0.87165815

03:08:46.320 --> 03:08:49.926 to say that burnout it is.

NOTE Confidence: 0.87165815

03:08:49.930 --> 03:08:51.470 It is definitely talked

NOTE Confidence: 0.87165815

03:08:51.470 --> 03:08:53.010 about in Graduate School,

NOTE Confidence: 0.87165815

03:08:53.010 --> 03:08:54.935 and it's definitely something that

NOTE Confidence: 0.87165815

03:08:54.935 --> 03:08:56.475 occurs when you're practicing.

NOTE Confidence: 0.87165815

03:08:56.480 --> 03:08:58.790 It is something that I think,

NOTE Confidence: 0.87165815

03:08:58.790 --> 03:09:01.478 and I entered this in a question,

NOTE Confidence: 0.87165815

03:09:01.480 --> 03:09:03.748 but it is something that you

NOTE Confidence: 0.87165815

03:09:03.748 --> 03:09:06.105 get better with dealing with and

NOTE Confidence: 0.87165815

03:09:06.105 --> 03:09:08.025 coping with as you practice,

NOTE Confidence: 0.87165815

03:09:08.030 --> 03:09:08.948 and probably the.

NOTE Confidence: 0.87165815

03:09:08.948 --> 03:09:11.090 Thing that's helped the most in terms

NOTE Confidence: 0.87165815

03:09:11.154 --> 03:09:13.100 of dealing with burnout is as just

NOTE Confidence: 0.87165815

03:09:13.100 --> 03:09:15.187 as Arbiter said it actually talking

NOTE Confidence: 0.87165815

03:09:15.187 --> 03:09:17.167 about your experience with other

NOTE Confidence: 0.87165815

03:09:17.167 --> 03:09:19.148 genetic counselors has been a really

NOTE Confidence: 0.87165815

03:09:19.148 --> 03:09:20.930 great way to deal with burnout.

NOTE Confidence: 0.87165815

03:09:20.930 --> 03:09:22.411 I think it's hard sometimes.

NOTE Confidence: 0.87165815

03:09:22.411 --> 03:09:24.486 You know we have friends and partners,

NOTE Confidence: 0.87165815

03:09:24.490 --> 03:09:26.350 but they not may not understand

NOTE Confidence: 0.87165815

03:09:26.350 --> 03:09:28.946 what we do and the burn out of it.

NOTE Confidence: 0.87165815

03:09:28.950 --> 03:09:30.924 So I think having a close group

NOTE Confidence: 0.87165815

03:09:30.924 --> 03:09:32.535 of genetic counselors that you

NOTE Confidence: 0.87165815

03:09:32.535 --> 03:09:33.943 feel comfortable sharing difficult

NOTE Confidence: 0.87165815

03:09:33.943 --> 03:09:35.896 cases and emotions has been a

NOTE Confidence: 0.87165815

03:09:35.896 --> 03:09:37.366 really great help and in general

NOTE Confidence: 0.87165815

03:09:37.366 --> 03:09:39.480 just I mean in general self care

NOTE Confidence: 0.87165815

03:09:39.480 --> 03:09:41.530 which can look different to other.

NOTE Confidence: 0.87165815

03:09:41.530 --> 03:09:44.970 Many different people, but it could be just.

NOTE Confidence: 0.87165815

03:09:44.970 --> 03:09:46.482 Turning off your computer,

NOTE Confidence: 0.87165815

03:09:46.482 --> 03:09:48.750 closing your computer at certain time

NOTE Confidence: 0.87165815

03:09:48.819 --> 03:09:51.227 when you've hit 8 hours and saying I'm

NOTE Confidence: 0.87165815

03:09:51.227 --> 03:09:53.197 not checking my email This weekend,

NOTE Confidence: 0.87165815

03:09:53.200 --> 03:09:55.944 it could be putting your phone on silent.

NOTE Confidence: 0.87165815

03:09:55.950 --> 03:09:58.309 It could be make making time for

NOTE Confidence: 0.87165815

03:09:58.309 --> 03:10:00.748 lunch in the middle of the day.

NOTE Confidence: 0.87165815

03:10:00.750 --> 03:10:02.808 You wouldn't think how some genetic

NOTE Confidence: 0.87165815

03:10:02.808 --> 03:10:04.180 counselors work through lunch,

NOTE Confidence: 0.87165815

03:10:04.180 --> 03:10:05.890 but really taking 30 minutes

NOTE Confidence: 0.87165815

03:10:05.890 --> 03:10:07.266 really makes a difference,

NOTE Confidence: 0.87165815

03:10:07.266 --> 03:10:09.572 so I can't really speak to every

NOTE Confidence: 0.87165815

03:10:09.572 --> 03:10:11.720 sort of self care that helps.

NOTE Confidence: 0.87165815

03:10:11.720 --> 03:10:13.260 'cause that's really individualized,

NOTE Confidence: 0.87165815

03:10:13.260 --> 03:10:16.300 but burnout is something that is does happen.

NOTE Confidence: 0.87165815

03:10:16.300 --> 03:10:17.620 As a general counselor,

NOTE Confidence: 0.87165815

03:10:17.620 --> 03:10:19.930 it tends to come in different cycles,

NOTE Confidence: 0.87165815

03:10:19.930 --> 03:10:20.590 different patterns,

NOTE Confidence: 0.87165815

03:10:20.590 --> 03:10:22.570 but it is something that is

NOTE Confidence: 0.87165815

03:10:22.570 --> 03:10:26.248 cope with and I'm not sure if.

NOTE Confidence: 0.87165815

03:10:26.250 --> 03:10:27.204 Call collina Maria.

NOTE Confidence: 0.87165815

03:10:27.204 --> 03:10:29.112 Maybe can talk about how it's

NOTE Confidence: 0.87165815

03:10:29.112 --> 03:10:31.076 addressed in in Graduate School

NOTE Confidence: 0.87165815

03:10:31.076 --> 03:10:31.868 specific specifically.

NOTE Confidence: 0.83620596

03:10:35.150 --> 03:10:35.978 So we will

NOTE Confidence: 0.83620596

03:10:35.980 --> 03:10:37.370 go ahead. No, go ahead.

NOTE Confidence: 0.83620596

03:10:37.370 --> 03:10:39.038 I was gonna let you start

NOTE Confidence: 0.83620596

03:10:39.038 --> 03:10:40.150 since you have current

NOTE Confidence: 0.83620596

03:10:40.150 --> 03:10:41.270 students. Well so we

NOTE Confidence: 0.83620596

03:10:41.270 --> 03:10:44.320 talk about it an what to do in like the

NOTE Confidence: 0.83620596

03:10:44.398 --> 03:10:49.220 introduction to field work. Modules like.

NOTE Confidence: 0.83620596

03:10:49.220 --> 03:10:52.510 To pay attention to this, what you could do,

NOTE Confidence: 0.83620596

03:10:52.510 --> 03:10:54.335 we offer and debriefing meetings.

NOTE Confidence: 0.83620596

03:10:54.340 --> 03:10:56.902 Every Wednesday when students are in their

NOTE Confidence: 0.83620596

03:10:56.902 --> 03:11:00.198 field, work with me and you know those are

NOTE Confidence: 0.83620596

03:11:00.200 --> 03:11:02.758 optional because we are an online program.

NOTE Confidence: 0.83620596

03:11:02.758 --> 03:11:05.688 We try to respect that. But, you know,

NOTE Confidence: 0.83620596

03:11:05.688 --> 03:11:08.615 as much as you can talk about it,

NOTE Confidence: 0.83620596

03:11:08.615 --> 03:11:10.444 it has to be done.

NOTE Confidence: 0.83620596

03:11:10.444 --> 03:11:11.908 And that's the kicker.

NOTE Confidence: 0.83620596

03:11:11.910 --> 03:11:14.475 Is is actually doing it for yourself.

NOTE Confidence: 0.83620596

03:11:14.475 --> 03:11:16.665 And I think all of us.

NOTE Confidence: 0.83620596

03:11:16.670 --> 03:11:20.754 You know our our. Fall prey to that.

NOTE Confidence: 0.83620596

03:11:20.754 --> 03:11:22.290 I don't have time to like.

NOTE Confidence: 0.83620596

03:11:22.290 --> 03:11:24.338 Do that exercise or do what I want.

NOTE Confidence: 0.83620596

03:11:24.340 --> 03:11:25.372 Make those cookies or

NOTE Confidence: 0.83620596

03:11:25.372 --> 03:11:27.150 whatever it is I want to do.

NOTE Confidence: 0.83620596

03:11:27.150 --> 03:11:29.062 I gotta do this work but like Amy

NOTE Confidence: 0.83620596

03:11:29.062 --> 03:11:31.064 said you gotta shut it off and an

NOTE Confidence: 0.83620596

03:11:31.064 --> 03:11:32.790 keep that time for yourself so.

NOTE Confidence: 0.8188241

03:11:35.450 --> 03:11:36.518 I agree, yeah,

NOTE Confidence: 0.8188241

03:11:36.520 --> 03:11:38.627 I I totally echo your sentiments Colleen

NOTE Confidence: 0.8188241

03:11:38.627 --> 03:11:41.617 and and I know that this differs institution

NOTE Confidence: 0.8188241

03:11:41.617 --> 03:11:43.637 institution in school to school,

NOTE Confidence: 0.8188241

03:11:43.640 --> 03:11:46.335 how everybody chooses to to handle mental

NOTE Confidence: 0.8188241

03:11:46.335 --> 03:11:48.948 health with with students for burnout.

NOTE Confidence: 0.8188241

03:11:48.950 --> 03:11:51.015 You know, I mean, you can't obviously

NOTE Confidence: 0.8188241

03:11:51.015 --> 03:11:53.316 have a plan of what we would like

NOTE Confidence: 0.8188241

03:11:53.316 --> 03:11:55.451 to do with our students and I can

NOTE Confidence: 0.8188241

03:11:55.451 --> 03:11:57.412 speak about when when I was in grad

NOTE Confidence: 0.8188241

03:11:57.412 --> 03:11:59.044 school and that was very challenging.

NOTE Confidence: 0.8188241

03:11:59.050 --> 03:12:01.507 But I think what it comes down to is,

NOTE Confidence: 0.8188241

03:12:01.510 --> 03:12:02.870 is checkins, as you know,

NOTE Confidence: 0.8188241

03:12:02.870 --> 03:12:04.648 kind of not relying on yourself all

NOTE Confidence: 0.8188241

03:12:04.648 --> 03:12:06.963 the time to know that you're OK having

NOTE Confidence: 0.8188241

03:12:06.963 --> 03:12:09.019 someone else checking on you and and

NOTE Confidence: 0.8188241

03:12:09.019 --> 03:12:11.051 that should also be the role of faculty

NOTE Confidence: 0.8188241

03:12:11.060 --> 03:12:13.118 and advisors is to do regular checkins

NOTE Confidence: 0.8188241

03:12:13.118 --> 03:12:15.697 and make sure folks are OK and to you know,

NOTE Confidence: 0.8188241

03:12:15.700 --> 03:12:16.248 respect boundaries.

NOTE Confidence: 0.8188241

03:12:16.248 --> 03:12:17.618 I think it's very easy,

NOTE Confidence: 0.8188241

03:12:17.620 --> 03:12:19.790 like if I have time on a.

NOTE Confidence: 0.8188241

03:12:19.790 --> 03:12:20.850 Saturday night, like a while,

NOTE Confidence: 0.8188241

03:12:20.850 --> 03:12:21.698 I'm thinking of something.

NOTE Confidence: 0.8188241

03:12:21.698 --> 03:12:22.970 Email someone and and you know,

NOTE Confidence: 0.8188241

03:12:22.970 --> 03:12:23.950 maybe not think that they're

NOTE Confidence: 0.8188241

03:12:23.950 --> 03:12:25.509 going to look at it until Monday,

NOTE Confidence: 0.8188241

03:12:25.510 --> 03:12:27.426 but they might and they might, as a student,

NOTE Confidence: 0.8188241

03:12:27.426 --> 03:12:28.910 feel pressured to to respond right away.

NOTE Confidence: 0.8188241

03:12:28.910 --> 03:12:29.970 So I think you know,

NOTE Confidence: 0.8188241

03:12:29.970 --> 03:12:31.447 faculty may need to make a good,

NOTE Confidence: 0.8188241

03:12:31.450 --> 03:12:32.510 concerted effort to to recognize

NOTE Confidence: 0.8188241

03:12:32.510 --> 03:12:33.358 the limitations of students,

NOTE Confidence: 0.8188241

03:12:33.360 --> 03:12:34.632 because I think it really starts

NOTE Confidence: 0.8188241

03:12:34.632 --> 03:12:35.690 there with the whole yes.

NOTE Confidence: 0.8188241

03:12:35.690 --> 03:12:36.106 Yes, yes,

NOTE Confidence: 0.8188241

03:12:36.106 --> 03:12:37.354 I'll do whatever I can because

NOTE Confidence: 0.8188241

03:12:37.354 --> 03:12:38.988 I want to show that I'm a good

NOTE Confidence: 0.8188241

03:12:38.988 --> 03:12:40.494 student and then you get into the

NOTE Confidence: 0.8188241

03:12:40.494 --> 03:12:41.629 workforce and it's like yes,

NOTE Confidence: 0.8188241

03:12:41.630 --> 03:12:42.334 yes, yes I can.

NOTE Confidence: 0.8188241

03:12:42.334 --> 03:12:43.905 'cause I want to be a genetic counselor

NOTE Confidence: 0.8188241

03:12:43.905 --> 03:12:46.010 and I want my boss to see that and

NOTE Confidence: 0.8188241

03:12:46.010 --> 03:12:47.550 then we just don't really ever stop

NOTE Confidence: 0.8188241

03:12:47.550 --> 03:12:50.018 and we don't know how to say no.

NOTE Confidence: 0.8188241

03:12:50.020 --> 03:12:51.610 So I think learning your own

NOTE Confidence: 0.8188241

03:12:51.610 --> 03:12:53.260 limitations is really the first step.

NOTE Confidence: 0.8475121

03:12:54.060 --> 03:12:56.292 I'm gonna jump in here as a manager to

NOTE Confidence: 0.8475121

03:12:56.292 --> 03:12:58.737 some of the people who are speaking today,

NOTE Confidence: 0.8475121

03:12:58.740 --> 03:13:00.658 and I think that's you know really,

NOTE Confidence: 0.8475121

03:13:00.660 --> 03:13:02.860 to piggyback off what Maria is saying is,

NOTE Confidence: 0.8475121

03:13:02.860 --> 03:13:04.510 you know, we have you know,

NOTE Confidence: 0.8475121

03:13:04.510 --> 03:13:06.160 monthly checkins with all my staff.

NOTE Confidence: 0.8475121

03:13:06.160 --> 03:13:08.085 You know, I kind of closely watched.

NOTE Confidence: 0.8475121

03:13:08.090 --> 03:13:10.014 Hey, you worked a lot last week.

NOTE Confidence: 0.8475121

03:13:10.014 --> 03:13:12.258 Tell me what happened. How can I help?

NOTE Confidence: 0.8475121

03:13:12.258 --> 03:13:13.980 What barriers or challenges are sort

NOTE Confidence: 0.8475121

03:13:14.045 --> 03:13:15.977 of adding to that kind of overtime

NOTE Confidence: 0.8475121

03:13:15.977 --> 03:13:18.113 because I think we want to be really

NOTE Confidence: 0.8475121

03:13:18.113 --> 03:13:19.942 cognizant of a good work life balance.

NOTE Confidence: 0.8475121

03:13:19.942 --> 03:13:21.688 And you know that is really

NOTE Confidence: 0.8475121

03:13:21.688 --> 03:13:23.207 going to keep all of us.

NOTE Confidence: 0.8475121

03:13:23.210 --> 03:13:24.474 You know, mentally healthy.

NOTE Confidence: 0.8475121

03:13:24.474 --> 03:13:26.054 An emotionally available to our

NOTE Confidence: 0.8475121

03:13:26.054 --> 03:13:27.556 patients who need us, you know,

NOTE Confidence: 0.8475121

03:13:27.556 --> 03:13:28.708 as was mentioned before,

NOTE Confidence: 0.8475121

03:13:28.710 --> 03:13:30.509 we also have incorporated a peer discussion

NOTE Confidence: 0.8475121

03:13:30.509 --> 03:13:32.169 group with our genetic counselors,

NOTE Confidence: 0.8475121

03:13:32.170 --> 03:13:33.983 so it's an opportunity for them to

NOTE Confidence: 0.8475121

03:13:33.983 --> 03:13:35.908 really debrief on these difficult cases.

NOTE Confidence: 0.8475121

03:13:35.910 --> 03:13:37.058 The managers aren't there,

NOTE Confidence: 0.8475121

03:13:37.058 --> 03:13:39.405 so they kind of made me feel a

NOTE Confidence: 0.8475121

03:13:39.405 --> 03:13:41.085 little bit less pressure to say,

NOTE Confidence: 0.8475121

03:13:41.090 --> 03:13:43.194 well, I wish I had done this and

NOTE Confidence: 0.8475121

03:13:43.194 --> 03:13:45.127 I probably should have done that,

NOTE Confidence: 0.8475121

03:13:45.130 --> 03:13:47.713 but I didn't do it or I'm taking home.

NOTE Confidence: 0.8475121

03:13:47.720 --> 03:13:48.314 You know,

NOTE Confidence: 0.8475121

03:13:48.314 --> 03:13:50.096 this one patient and I just

NOTE Confidence: 0.8475121

03:13:50.096 --> 03:13:51.750 don't know how to shake it,

NOTE Confidence: 0.8475121

03:13:51.750 --> 03:13:53.598 and it's an opportunity for them

NOTE Confidence: 0.8475121

03:13:53.598 --> 03:13:55.399 to really talk through the case.

NOTE Confidence: 0.8475121

03:13:55.400 --> 03:13:57.784 And I think sort of let let it

NOTE Confidence: 0.8475121

03:13:57.784 --> 03:14:00.266 go and then hopefully over time

NOTE Confidence: 0.8475121

03:14:00.266 --> 03:14:02.972 that can help reduce the burden

NOTE Confidence: 0.8475121

03:14:03.055 --> 03:14:05.230 that they might be failing.

NOTE Confidence: 0.8475121

03:14:05.230 --> 03:14:07.806 There's also a lot of resources within

NOTE Confidence: 0.8475121

03:14:07.806 --> 03:14:09.550 various organizations for employees,

NOTE Confidence: 0.8475121

03:14:09.550 --> 03:14:11.962 so you know there's everything from

NOTE Confidence: 0.8475121

03:14:11.962 --> 03:14:13.570 meditation groups and mindfulness

NOTE Confidence: 0.8475121

03:14:13.636 --> 03:14:15.616 training and other resources that

NOTE Confidence: 0.8475121

03:14:15.616 --> 03:14:17.596 genetic counselors might even have

NOTE Confidence: 0.8475121

03:14:17.663 --> 03:14:19.865 within their own institution that are

NOTE Confidence: 0.8475121

03:14:19.865 --> 03:14:22.552 available to help support them and deal

NOTE Confidence: 0.8475121

03:14:22.552 --> 03:14:25.380 and cope with some of the emotional.

NOTE Confidence: 0.8475121

03:14:25.380 --> 03:14:27.010 Burden that might come from,

NOTE Confidence: 0.8475121

03:14:27.010 --> 03:14:27.742 you know,

NOTE Confidence: 0.8475121

03:14:27.742 --> 03:14:29.938 working with patients with giving difficult

NOTE Confidence: 0.8475121

03:14:29.938 --> 03:14:32.209 news and all of that goes with it.

NOTE Confidence: 0.8475121

03:14:32.210 --> 03:14:33.179 So you know,

NOTE Confidence: 0.8475121

03:14:33.180 --> 03:14:34.805 I definitely encourage you know

NOTE Confidence: 0.8475121

03:14:34.805 --> 03:14:36.105 students and our perspective,

NOTE Confidence: 0.8475121

03:14:36.110 --> 03:14:37.680 genetic counselors or new genetic

NOTE Confidence: 0.8475121

03:14:37.680 --> 03:14:39.250 counselors in the field to

NOTE Confidence: 0.8475121

03:14:39.304 --> 03:14:40.979 really tap into those resources.

NOTE Confidence: 0.8475121

03:14:40.980 --> 03:14:42.929 'cause that's what they're there for.

NOTE Confidence: 0.8512884

03:14:52.860 --> 03:14:54.804 Alex, can I just make that

NOTE Confidence: 0.8512884

03:14:54.804 --> 03:14:55.776 announcement real quick?

NOTE Confidence: 0.8512884

03:14:55.780 --> 03:14:57.718 It's not handful of questions on

NOTE Confidence: 0.8512884

03:14:57.720 --> 03:14:59.015 being an international applicant

NOTE Confidence: 0.8512884

03:14:59.015 --> 03:15:00.313 or an international student.

NOTE Confidence: 0.8512884

03:15:00.313 --> 03:15:02.256 It's probably not within the scope

NOTE Confidence: 0.8512884

03:15:02.256 --> 03:15:04.850 of today's talk, but reach out to me.

NOTE Confidence: 0.8512884

03:15:04.850 --> 03:15:07.757 You know if you have any of those questions.

NOTE Confidence: 0.8512884

03:15:07.760 --> 03:15:09.380 I was an international student.

NOTE Confidence: 0.8512884

03:15:09.380 --> 03:15:12.296 I'm on a visa currently and I also Co.

NOTE Confidence: 0.8512884

03:15:12.300 --> 03:15:13.648 Chair the International Special

NOTE Confidence: 0.8512884

03:15:13.648 --> 03:15:15.670 Interest Group of NSG and we

NOTE Confidence: 0.8512884

03:15:15.735 --> 03:15:17.475 have a couple of resources that

NOTE Confidence: 0.8512884

03:15:17.480 --> 03:15:18.780 we can share with

NOTE Confidence: 0.8512884

03:15:18.780 --> 03:15:20.724 you if you have specific questions.

NOTE Confidence: 0.8512884

03:15:20.724 --> 03:15:22.468 My name is Arpita. And

NOTE Confidence: 0.88569057

03:15:22.470 --> 03:15:23.560 feel free to email me.

NOTE Confidence: 0.8547362

03:15:27.370 --> 03:15:30.324 And I think I saw this question twice now,

NOTE Confidence: 0.8547362

03:15:30.330 --> 03:15:32.118 but people had asked what made

NOTE Confidence: 0.8547362

03:15:32.118 --> 03:15:33.950 someone go into their specialty,

NOTE Confidence: 0.8547362

03:15:33.950 --> 03:15:36.574 or how did they end up choosing that?

NOTE Confidence: 0.8547362

03:15:36.580 --> 03:15:38.230 Especially since as genetic counselors

NOTE Confidence: 0.8547362

03:15:38.230 --> 03:15:40.530 are training, is all really the same.

NOTE Confidence: 0.8547362

03:15:40.530 --> 03:15:43.154 But then we can go down different paths.

NOTE Confidence: 0.8547362

03:15:43.160 --> 03:15:45.784 So if anyone wants to talk about that.

NOTE Confidence: 0.86952716

03:15:50.320 --> 03:15:53.052 I can go first and speak

NOTE Confidence: 0.86952716

03:15:53.052 --> 03:15:54.636 from cancer genetics.

NOTE Confidence: 0.8865538

03:15:54.640 --> 03:15:59.008 So the reason why I chose Cancer

NOTE Confidence: 0.8865538

03:15:59.008 --> 03:16:01.849 Genetics is because for me.

NOTE Confidence: 0.8865538

03:16:01.850 --> 03:16:04.794 It's my I was more interested in the

NOTE Confidence: 0.8865538

03:16:04.794 --> 03:16:06.834 prevention part of genetic testing

NOTE Confidence: 0.8865538

03:16:06.834 --> 03:16:08.884 and something that really stuck

NOTE Confidence: 0.8865538

03:16:08.884 --> 03:16:11.407 with me was when before I applied

NOTE Confidence: 0.8865538

03:16:11.407 --> 03:16:13.836 to grad school I was shadowing with

NOTE Confidence: 0.8865538

03:16:13.836 --> 03:16:16.224 a genetic counselor who worked in

NOTE Confidence: 0.8865538

03:16:16.224 --> 03:16:18.638 cancer and she said that you know,

NOTE Confidence: 0.8865538

03:16:18.640 --> 03:16:20.878 cancer genetics is one of the

NOTE Confidence: 0.8865538

03:16:20.878 --> 03:16:22.370 not the only specialty,

NOTE Confidence: 0.8865538

03:16:22.370 --> 03:16:25.226 but one of the specialties in genetic

NOTE Confidence: 0.8865538

03:16:25.226 --> 03:16:27.839 counseling that actually can be preventative.

NOTE Confidence: 0.8865538

03:16:27.840 --> 03:16:30.969 Or lifesaving in terms of preventing cancer?

NOTE Confidence: 0.8865538

03:16:30.970 --> 03:16:33.886 So when, so that really stuck

NOTE Confidence: 0.8865538

03:16:33.886 --> 03:16:36.630 with me and I think.

NOTE Confidence: 0.8865538

03:16:36.630 --> 03:16:39.326 I think in terms of that I like

NOTE Confidence: 0.8865538

03:16:39.326 --> 03:16:42.407 being able to work with patients to

NOTE Confidence: 0.8865538

03:16:42.407 --> 03:16:44.732 actually change outcomes in terms

NOTE Confidence: 0.8865538

03:16:44.818 --> 03:16:47.578 of cancer because I do see it as

NOTE Confidence: 0.8865538

03:16:47.578 --> 03:16:50.550 being very important work I do like

NOTE Confidence: 0.8865538

03:16:50.550 --> 03:16:53.360 in terms of cancer genetics that.

NOTE Confidence: 0.8865538

03:16:53.360 --> 03:16:56.055 It is, it is something I autonomous

NOTE Confidence: 0.8865538

03:16:56.055 --> 03:16:58.378 so we talked about pediatric genetics

NOTE Confidence: 0.8865538

03:16:58.380 --> 03:17:00.879 and in some parts of cardiac genetics

NOTE Confidence: 0.8865538

03:17:00.879 --> 03:17:03.283 there's work with a Jeanette Assist

NOTE Confidence: 0.8865538

03:17:03.283 --> 03:17:05.348 or another physician, cancer genetics.

NOTE Confidence: 0.8865538

03:17:05.348 --> 03:17:07.742 In general there's there's not really

NOTE Confidence: 0.8865538

03:17:07.742 --> 03:17:10.342 direct work with a physician and less

NOTE Confidence: 0.8865538

03:17:10.342 --> 03:17:12.274 we're doing a combined deployment,

NOTE Confidence: 0.8865538

03:17:12.274 --> 03:17:14.590 which is a little bit different.

NOTE Confidence: 0.8865538

03:17:14.590 --> 03:17:16.696 So essentially that was my perspective

NOTE Confidence: 0.8865538

03:17:16.696 --> 03:17:20.440 on when I was in grad school and I was

NOTE Confidence: 0.8865538

03:17:20.440 --> 03:17:22.700 experiencing different types of rotations.

NOTE Confidence: 0.8865538

03:17:22.700 --> 03:17:24.964 Why ultimately decided to?

NOTE Confidence: 0.8865538

03:17:24.964 --> 03:17:26.096 Pursue cancer.

NOTE Confidence: 0.8658318

03:17:30.800 --> 03:17:32.184 Yeah, I would really use

NOTE Confidence: 0.8658318

03:17:32.184 --> 03:17:33.750 a lot of the rotations as

NOTE Confidence: 0.8658318

03:17:33.814 --> 03:17:35.744 your as a perspective students

NOTE Confidence: 0.8658318

03:17:35.744 --> 03:17:37.288 opportunity to really explore

NOTE Confidence: 0.8658318

03:17:37.288 --> 03:17:39.279 what each specialty looks like.

NOTE Confidence: 0.8658318

03:17:39.280 --> 03:17:42.080 What are aspects of the rotation that you

NOTE Confidence: 0.8658318

03:17:42.080 --> 03:17:44.746 really like that you would want to see in

NOTE Confidence: 0.8658318

03:17:44.746 --> 03:17:47.409 a full time position when you graduate?

NOTE Confidence: 0.8658318

03:17:47.410 --> 03:17:50.034 What are you know types of the rotations

NOTE Confidence: 0.8658318

03:17:50.034 --> 03:17:52.838 that you don't really mesh as well with,

NOTE Confidence: 0.8658318

03:17:52.840 --> 03:17:55.262 so that when you're applying to positions

NOTE Confidence: 0.8658318

03:17:55.262 --> 03:17:58.256 you can say you know what I really liked,

NOTE Confidence: 0.8658318

03:17:58.260 --> 03:17:59.584 that I had autonomy.

NOTE Confidence: 0.8658318

03:17:59.584 --> 03:18:01.995 Or I preferred to work closely with

NOTE Confidence: 0.8658318

03:18:01.995 --> 03:18:04.137 the geneticists and that can help

NOTE Confidence: 0.8658318

03:18:04.137 --> 03:18:06.039 narrow down what specialty might

NOTE Confidence: 0.8658318

03:18:06.039 --> 03:18:08.325 be a better suited for someone.

NOTE Confidence: 0.8658318

03:18:08.330 --> 03:18:10.610 What I also would say is that if

NOTE Confidence: 0.8658318

03:18:10.610 --> 03:18:13.032 there is a specialty that you're

NOTE Confidence: 0.8658318

03:18:13.032 --> 03:18:14.808 going into Graduate School,

NOTE Confidence: 0.8658318

03:18:14.810 --> 03:18:17.042 known that you really want to be a

NOTE Confidence: 0.8658318

03:18:17.042 --> 03:18:19.340 part of upon graduation to maybe

NOTE Confidence: 0.8658318

03:18:19.340 --> 03:18:21.430 choose your thesis or Capstone

NOTE Confidence: 0.8658318

03:18:21.430 --> 03:18:23.449 project in that specialty area,

NOTE Confidence: 0.8658318

03:18:23.450 --> 03:18:25.557 or if you have an opportunity to

NOTE Confidence: 0.8658318

03:18:25.557 --> 03:18:27.770 do an extra clinical rotation,

NOTE Confidence: 0.8658318

03:18:27.770 --> 03:18:29.570 choose it in that specialty.

NOTE Confidence: 0.8658318

03:18:29.570 --> 03:18:31.460 Maybe choose some volunteer work.

NOTE Confidence: 0.8658318

03:18:31.460 --> 03:18:33.996 Any school that affords you to you know,

NOTE Confidence: 0.8658318

03:18:34.000 --> 03:18:35.272 work in that specialty.

NOTE Confidence: 0.8658318

03:18:35.272 --> 03:18:37.180 And so when we're hiring people,

NOTE Confidence: 0.8658318

03:18:37.180 --> 03:18:39.406 I really like to see that someone's

NOTE Confidence: 0.8658318

03:18:39.406 --> 03:18:40.360 had cancer experience,

NOTE Confidence: 0.8658318

03:18:40.360 --> 03:18:41.950 not just through the rotations,

NOTE Confidence: 0.8658318

03:18:41.950 --> 03:18:42.865 but they've done.

NOTE Confidence: 0.8658318

03:18:42.865 --> 03:18:44.695 They chose to have their thesis

NOTE Confidence: 0.8658318

03:18:44.695 --> 03:18:46.408 in that specialty as well.

NOTE Confidence: 0.8658318

03:18:46.410 --> 03:18:48.138 So much like you're all thinking

NOTE Confidence: 0.8658318

03:18:48.138 --> 03:18:50.049 about how to make my application

NOTE Confidence: 0.8658318

03:18:50.049 --> 03:18:52.125 the strongest to get into school,

NOTE Confidence: 0.8658318

03:18:52.130 --> 03:18:54.020 we're also looking at how did

NOTE Confidence: 0.8658318

03:18:54.020 --> 03:18:55.949 you use school to get into,

NOTE Confidence: 0.8658318

03:18:55.950 --> 03:18:57.580 especially that you might want

NOTE Confidence: 0.8658318

03:18:57.580 --> 03:18:59.440 to be interested in landing an,

NOTE Confidence: 0.8658318

03:18:59.440 --> 03:19:00.078 you know,

NOTE Confidence: 0.8658318

03:19:00.078 --> 03:19:01.992 doing everything you can to then

NOTE Confidence: 0.8658318

03:19:01.992 --> 03:19:03.324 strengthen that application from

NOTE Confidence: 0.8658318

03:19:03.324 --> 03:19:05.550 the day one of you starting school.

NOTE Confidence: 0.8658318

03:19:05.550 --> 03:19:06.458 To the very end.

NOTE Confidence: 0.8658318

03:19:06.458 --> 03:19:07.820 So if there was journal clubs

NOTE Confidence: 0.8658318

03:19:07.871 --> 03:19:09.497 that you could choose an article,

NOTE Confidence: 0.8658318

03:19:09.500 --> 03:19:11.110 choose it in the specialty that you

NOTE Confidence: 0.8658318

03:19:11.110 --> 03:19:13.005 liked it in and put that on your

NOTE Confidence: 0.8658318

03:19:13.005 --> 03:19:14.749 resume and you know things like that

NOTE Confidence: 0.8658318

03:19:14.749 --> 03:19:16.363 are all opportunities and things that

NOTE Confidence: 0.8658318

03:19:16.363 --> 03:19:18.230 we look for as an employer to see

NOTE Confidence: 0.8658318

03:19:18.230 --> 03:19:19.706 that people are sort of recognizing

NOTE Confidence: 0.8658318

03:19:19.706 --> 03:19:21.603 what things were going to work well.

NOTE Confidence: 0.8658318

03:19:21.610 --> 03:19:23.092 Then they can speak to that

NOTE Confidence: 0.8658318

03:19:23.092 --> 03:19:24.080 during the interview process.

NOTE Confidence: 0.8957513

03:19:31.100 --> 03:19:33.056 I think I'd like to add

NOTE Confidence: 0.8957513

03:19:33.060 --> 03:19:34.758 that it's great for people to

NOTE Confidence: 0.8957513

03:19:34.758 --> 03:19:36.989 be open to new experiences too.

NOTE Confidence: 0.8957513

03:19:36.990 --> 03:19:38.946 I know plenty of genetic counselors

NOTE Confidence: 0.8957513

03:19:38.946 --> 03:19:40.584 that really were quite confident

NOTE Confidence: 0.8957513

03:19:40.584 --> 03:19:43.480 they knew what they wanted to do

NOTE Confidence: 0.8957513

03:19:43.480 --> 03:19:45.560 after they graduated. But then,

NOTE Confidence: 0.9130834

03:19:45.560 --> 03:19:47.390 perhaps there wasn't a job

NOTE Confidence: 0.9130834

03:19:47.390 --> 03:19:48.479 available in their

NOTE Confidence: 0.9130834

03:19:48.480 --> 03:19:49.940 very restricted geographic area

NOTE Confidence: 0.9130834

03:19:49.940 --> 03:19:51.765 that gave them that opportunity,

NOTE Confidence: 0.9130834

03:19:51.770 --> 03:19:54.338 so they just took a chance and

NOTE Confidence: 0.9130834

03:19:54.338 --> 03:19:56.208 tried something that they actually

NOTE Confidence: 0.9130834

03:19:56.208 --> 03:19:57.610 thought they wouldn't like

NOTE Confidence: 0.9130834

03:19:57.610 --> 03:19:59.718 very much, but they.

NOTE Confidence: 0.9130834

03:19:59.720 --> 03:20:02.163 Needed that paycheck and then lo and behold,

NOTE Confidence: 0.9130834

03:20:02.163 --> 03:20:03.990 they really enjoyed it and now

NOTE Confidence: 0.9130834

03:20:03.990 --> 03:20:06.125 they stayed in it even though they

NOTE Confidence: 0.9130834

03:20:06.125 --> 03:20:07.955 had an opportunity to switch out.

NOTE Confidence: 0.9130834

03:20:07.955 --> 03:20:09.788 So I think that's what's great

NOTE Confidence: 0.88612

03:20:09.790 --> 03:20:11.310 about being in training programs

NOTE Confidence: 0.88612

03:20:11.310 --> 03:20:12.838 that you'll have an opportunity

NOTE Confidence: 0.88612

03:20:12.840 --> 03:20:14.452 to experience many things.

NOTE Confidence: 0.88612

03:20:14.452 --> 03:20:16.467 You're also see that you

NOTE Confidence: 0.86132646

03:20:16.470 --> 03:20:18.516 know being a cancer genetic counselor

NOTE Confidence: 0.86132646

03:20:18.520 --> 03:20:20.584 at one setting could be very

NOTE Confidence: 0.86132646

03:20:20.584 --> 03:20:22.296 different than being a cancer

NOTE Confidence: 0.86132646

03:20:22.296 --> 03:20:24.008 genetic counselor at another setting.

NOTE Confidence: 0.86132646

03:20:24.010 --> 03:20:25.384 Just says for me,

NOTE Confidence: 0.86132646

03:20:25.384 --> 03:20:27.100 prenatal counseling in one center.

NOTE Confidence: 0.86132646

03:20:27.100 --> 03:20:28.809 Very different in one center,

NOTE Confidence: 0.86132646

03:20:28.810 --> 03:20:30.870 you might be imbedded in the

NOTE Confidence: 0.86132646

03:20:30.870 --> 03:20:32.682 genetics department and have.

NOTE Confidence: 0.86132646

03:20:32.682 --> 03:20:33.588 15 colleagues,

NOTE Confidence: 0.86132646

03:20:33.590 --> 03:20:34.664 including geneticists and

NOTE Confidence: 0.86132646

03:20:34.664 --> 03:20:35.380 genetic counselors,

NOTE Confidence: 0.86132646

03:20:35.380 --> 03:20:37.330 and in another setting you might

NOTE Confidence: 0.86132646

03:20:37.330 --> 03:20:39.081 be the only genetic counselor

NOTE Confidence: 0.86132646

03:20:39.081 --> 03:20:41.016 working with OBGYN's so that

NOTE Confidence: 0.86132646

03:20:41.016 --> 03:20:43.327 experience and what you share with

NOTE Confidence: 0.86132646

03:20:43.327 --> 03:20:45.409 your classmates will also help to

NOTE Confidence: 0.86132646

03:20:45.409 --> 03:20:47.910 teach you like what what makes me

NOTE Confidence: 0.88509905

03:20:47.910 --> 03:20:50.046 comfortable at this stage in my

NOTE Confidence: 0.88509905

03:20:50.050 --> 03:20:52.306 career, because who knows what you

NOTE Confidence: 0.88509905

03:20:52.306 --> 03:20:54.861 might want five years in two years

NOTE Confidence: 0.88509905

03:20:54.861 --> 03:20:57.212 in and what's exciting is, I think

NOTE Confidence: 0.88509905

03:20:57.212 --> 03:20:59.718 there's a lot of opportunity for people

NOTE Confidence: 0.88509905

03:20:59.720 --> 03:21:01.148 to kind of pivot

NOTE Confidence: 0.88509905

03:21:01.150 --> 03:21:02.578 as they go through

NOTE Confidence: 0.88509905

03:21:02.580 --> 03:21:05.178 their profession as a genetic counselor.

NOTE Confidence: 0.88509905

03:21:05.180 --> 03:21:07.406 And try new and exciting things

NOTE Confidence: 0.88509905

03:21:07.406 --> 03:21:09.875 along the way and expand their

NOTE Confidence: 0.88509905

03:21:09.875 --> 03:21:11.915 skill group and their confidence.

NOTE Confidence: 0.88509905

03:21:11.915 --> 03:21:14.285 You know with every new experience.

NOTE Confidence: 0.8611316

03:21:17.700 --> 03:21:19.300 Yeah, I think that's really,

NOTE Confidence: 0.8611316

03:21:19.300 --> 03:21:20.260 really nicely sad,

NOTE Confidence: 0.8611316

03:21:20.260 --> 03:21:23.012 and some of our panelists here have.

NOTE Confidence: 0.8611316

03:21:23.012 --> 03:21:25.143 You know, had various genetic

NOTE Confidence: 0.8611316

03:21:25.143 --> 03:21:26.796 counseling roles, not necessarily

NOTE Confidence: 0.8611316

03:21:26.796 --> 03:21:28.448 in the same specialties,

NOTE Confidence: 0.8611316

03:21:28.450 --> 03:21:31.339 so I think the flexibility is also

NOTE Confidence: 0.86743975

03:21:31.340 --> 03:21:32.988 another draw to the

NOTE Confidence: 0.86743975

03:21:32.990 --> 03:21:35.055 field. Having one degree doing

NOTE Confidence: 0.86743975

03:21:35.055 --> 03:21:36.942 many different things, but.

NOTE Confidence: 0.86743975

03:21:36.942 --> 03:21:40.794 Thinking about. Wrapping up this event

NOTE Confidence: 0.86743975

03:21:40.800 --> 03:21:43.240 and genetic counselors looking to

NOTE Confidence: 0.8090068

03:21:43.240 --> 03:21:46.406 the future, one of our participants

NOTE Confidence: 0.8090068

03:21:46.406 --> 03:21:48.898 asked. What we think the

NOTE Confidence: 0.8765537

03:21:48.900 --> 03:21:49.929 future of genetic

NOTE Confidence: 0.8765537

03:21:49.930 --> 03:21:51.644 counseling more will look like,

NOTE Confidence: 0.8765537

03:21:51.644 --> 03:21:53.710 which is a very broad question.

NOTE Confidence: 0.8765537

03:21:53.710 --> 03:21:55.090 So does anyone want

NOTE Confidence: 0.8765537

03:21:55.090 --> 03:21:56.119 to take a

NOTE Confidence: 0.8284602

03:21:56.120 --> 03:21:58.615 stab at? Any hunches they

NOTE Confidence: 0.8284602

03:21:58.615 --> 03:22:01.150 have or? And what they think

NOTE Confidence: 0.80350924

03:22:01.150 --> 03:22:02.908 will change or stay the same.

NOTE Confidence: 0.73471856

03:22:07.720 --> 03:22:10.625 Or I can talk a little bit.

NOTE Confidence: 0.73471856

03:22:10.630 --> 03:22:12.290 I'm Lamsam's counterpart in

NOTE Confidence: 0.73471856

03:22:12.290 --> 03:22:13.950 the general genetics clinic.

NOTE Confidence: 0.8846473

03:22:15.530 --> 03:22:17.068 So I'm in a couple

NOTE Confidence: 0.8846473

03:22:17.070 --> 03:22:18.756 of groups that are kind of

NOTE Confidence: 0.8846473

03:22:18.756 --> 03:22:20.347 working on how genetic counselors

NOTE Confidence: 0.8846473

03:22:20.347 --> 03:22:23.269 are going to fit into a more.

NOTE Confidence: 0.8846473

03:22:23.270 --> 03:22:24.518 Precision medicine or

NOTE Confidence: 0.8846473

03:22:24.518 --> 03:22:25.772 preventive genetics rules?

NOTE Confidence: 0.8846473

03:22:25.772 --> 03:22:28.719 So I think that's somewhere that we're

NOTE Confidence: 0.8846473

03:22:28.719 --> 03:22:31.588 going to expand into in the future

NOTE Confidence: 0.8846473

03:22:31.588 --> 03:22:33.252 where we're helping asymptomatic

NOTE Confidence: 0.8846473

03:22:33.252 --> 03:22:35.752 individuals decide what type of genetic

NOTE Confidence: 0.8846473

03:22:35.752 --> 03:22:38.242 testing would be helpful for them.

NOTE Confidence: 0.8846473

03:22:38.242 --> 03:22:40.742 And I've seen some questions about

NOTE Confidence: 0.8846473

03:22:40.742 --> 03:22:43.649 whether or not we address things like

NOTE Confidence: 0.8846473

03:22:43.650 --> 03:22:46.146 Nutrigenomics and I think there's a

NOTE Confidence: 0.8846473

03:22:46.146 --> 03:22:48.645 lot of possibility for genetic testing

NOTE Confidence: 0.8846473

03:22:48.645 --> 03:22:51.585 to extend into those types of rules

NOTE Confidence: 0.8846473

03:22:51.585 --> 03:22:53.710 we traditionally haven't really had.

NOTE Confidence: 0.8846473

03:22:53.710 --> 03:22:56.278 A lot of exposure to that and many

NOTE Confidence: 0.8846473

03:22:56.278 --> 03:22:58.202 of us don't necessarily have the

NOTE Confidence: 0.8846473

03:22:58.202 --> 03:23:00.451 expertise to go in depth for counseling

NOTE Confidence: 0.8846473

03:23:00.451 --> 03:23:02.056 on nutrition mix for example,

NOTE Confidence: 0.8846473

03:23:02.060 --> 03:23:03.020 or microbiome testing,

NOTE Confidence: 0.8846473

03:23:03.020 --> 03:23:05.012 but I think in the future,

NOTE Confidence: 0.8846473

03:23:05.012 --> 03:23:07.695 as we add that into curriculum and more

NOTE Confidence: 0.8846473

03:23:07.695 --> 03:23:09.760 of us become exposed to it overtime

NOTE Confidence: 0.8846473

03:23:09.760 --> 03:23:11.688 and there might even be guidelines

NOTE Confidence: 0.8846473

03:23:11.690 --> 03:23:13.930 one day on that type of testing

NOTE Confidence: 0.86689484

03:23:13.930 --> 03:23:14.899 and counseling and

NOTE Confidence: 0.86689484

03:23:14.900 --> 03:23:16.180 how to give those

NOTE Confidence: 0.86689484

03:23:16.180 --> 03:23:18.427 types of results back or interpret them.

NOTE Confidence: 0.86689484

03:23:18.430 --> 03:23:20.998 I think that's somewhere that we could even

NOTE Confidence: 0.86689484

03:23:21.000 --> 03:23:21.960 move into in

NOTE Confidence: 0.86689484

03:23:21.960 --> 03:23:22.920 the future too.

NOTE Confidence: 0.8696221

03:23:24.600 --> 03:23:25.892 Think along those lines,

NOTE Confidence: 0.8696221

03:23:25.892 --> 03:23:27.830 there is a really good article

NOTE Confidence: 0.8696221

03:23:27.893 --> 03:23:30.070 about looking at into 2030 like the

NOTE Confidence: 0.8696221

03:23:30.070 --> 03:23:31.744 future of genetic counseling and

NOTE Confidence: 0.8696221

03:23:31.744 --> 03:23:34.380 I'll try post the link on the chat,

NOTE Confidence: 0.8696221

03:23:34.380 --> 03:23:37.289 but it talks about how.

NOTE Confidence: 0.8696221

03:23:37.290 --> 03:23:39.198 Genetic counselors are expecting people to

NOTE Confidence: 0.8696221

03:23:39.198 --> 03:23:41.289 have genomic information at their fingertips.

NOTE Confidence: 0.8696221

03:23:41.290 --> 03:23:43.952 It's all going to be digitalized and you

NOTE Confidence: 0.8696221

03:23:43.952 --> 03:23:46.278 know, patients might have their raw data,

NOTE Confidence: 0.8696221

03:23:46.280 --> 03:23:47.945 or you know their genetic

NOTE Confidence: 0.8696221

03:23:47.945 --> 03:23:48.944 risks easily accessible,

NOTE Confidence: 0.8696221

03:23:48.950 --> 03:23:50.610 and so genetic counseling might

NOTE Confidence: 0.8696221

03:23:50.610 --> 03:23:52.609 have to follow that as well.

NOTE Confidence: 0.8696221

03:23:52.610 --> 03:23:54.605 Like, how do you make sure

NOTE Confidence: 0.8696221

03:23:54.605 --> 03:23:56.270 genetic counseling is as easily

NOTE Confidence: 0.8696221

03:23:56.270 --> 03:23:57.266 accessible to patients?

NOTE Confidence: 0.8696221

03:23:57.266 --> 03:23:59.270 So that's a really cool article.

NOTE Confidence: 0.8696221

03:23:59.270 --> 03:23:59.600 I'll

NOTE Confidence: 0.855418

03:23:59.600 --> 03:24:02.270 try to post it in the chat now.

NOTE Confidence: 0.86563754

03:24:09.710 --> 03:24:11.562 Things are, but I'd actually

NOTE Confidence: 0.86563754

03:24:11.562 --> 03:24:14.220 really be curious to to read that,

NOTE Confidence: 0.86563754

03:24:14.220 --> 03:24:16.602 and I'm sure everyone attending here

NOTE Confidence: 0.86563754

03:24:16.602 --> 03:24:19.050 today would also be interested.

NOTE Confidence: 0.86563754

03:24:19.050 --> 03:24:20.688 So anyone have any final

NOTE Confidence: 0.86563754

03:24:20.688 --> 03:24:22.328 thoughts that they'd like to

NOTE Confidence: 0.86563754

03:24:22.328 --> 03:24:24.299 share words of words of wisdom?

NOTE Confidence: 0.86563754

03:24:24.300 --> 03:24:26.596 I'm sorry we didn't get to all

NOTE Confidence: 0.86563754

03:24:26.596 --> 03:24:28.564 of those questions, but again,

NOTE Confidence: 0.86563754

03:24:28.564 --> 03:24:32.008 do you feel free to reach out?

NOTE Confidence: 0.86563754

03:24:32.010 --> 03:24:34.786 To any of us here on the panel,

NOTE Confidence: 0.86563754

03:24:34.790 --> 03:24:36.878 but good luck if you're applying

NOTE Confidence: 0.86563754

03:24:36.878 --> 03:24:38.270 for this upcoming cycle.

NOTE Confidence: 0.86563754

03:24:38.270 --> 03:24:40.950 Good luck in the future if you plan

NOTE Confidence: 0.86563754

03:24:40.950 --> 03:24:43.639 to apply and anyone else is welcome

NOTE Confidence: 0.86563754

03:24:43.639 --> 03:24:46.574 to say last words before I end the

NOTE Confidence: 0.86563754

03:24:46.574 --> 03:24:49.058 event and I will send out that survey.

NOTE Confidence: 0.86563754

03:24:49.058 --> 03:24:51.500 A survey will have a couple of

NOTE Confidence: 0.86563754

03:24:51.500 --> 03:24:54.000 questions for you and your reward

NOTE Confidence: 0.86563754

03:24:54.000 --> 03:24:56.634 for helping us improve the event

NOTE Confidence: 0.86563754

03:24:56.634 --> 03:24:59.413 will be a link to the recorded.

NOTE Confidence: 0.86563754

03:24:59.420 --> 03:25:00.790 A recording of the event,

NOTE Confidence: 0.86563754

03:25:00.790 --> 03:25:02.150 so thank you for coming.

NOTE Confidence: 0.88219917

03:25:09.940 --> 03:25:13.140 Just wanted to echo Alex and just say it was

NOTE Confidence: 0.88219917

03:25:13.222 --> 03:25:15.959 a pleasure talking with everyone you know.

NOTE Confidence: 0.88219917

03:25:15.960 --> 03:25:18.504 And please don't be a stranger

NOTE Confidence: 0.88219917

03:25:18.504 --> 03:25:20.200 with any questions about.

NOTE Confidence: 0.88219917

03:25:20.200 --> 03:25:21.984 Cancer genetics, genetic counseling.

NOTE Confidence: 0.88219917

03:25:21.984 --> 03:25:25.193 Everyone here on the panel loves talking

NOTE Confidence: 0.88219917

03:25:25.193 --> 03:25:27.055 about genetic genetic counseling.

NOTE Confidence: 0.88219917

03:25:27.055 --> 03:25:28.885 That's why we're here.

NOTE Confidence: 0.88219917

03:25:28.885 --> 03:25:31.488 No, please don't be a

NOTE Confidence: 0.88219917

03:25:31.488 --> 03:25:33.636 stranger we we absolutely.

NOTE Confidence: 0.88219917

03:25:33.640 --> 03:25:35.680 I mean, I think it's because

NOTE Confidence: 0.88219917

03:25:35.680 --> 03:25:37.520 everyone we love this field,

NOTE Confidence: 0.88219917

03:25:37.520 --> 03:25:39.907 I love this field just because of

NOTE Confidence: 0.88219917

03:25:39.907 --> 03:25:42.108 how many different facets there are,

NOTE Confidence: 0.88219917

03:25:42.110 --> 03:25:45.287 and I just I just respond to a question.

NOTE Confidence: 0.88219917

03:25:45.290 --> 03:25:48.106 But obviously you know the field we need.

NOTE Confidence: 0.88219917

03:25:48.110 --> 03:25:50.574 We need more diversity in the field.

NOTE Confidence: 0.88219917

03:25:50.580 --> 03:25:52.350 There was a recent report,

NOTE Confidence: 0.88219917

03:25:52.350 --> 03:25:54.751 the accident report that came out that

NOTE Confidence: 0.88219917

03:25:54.751 --> 03:25:56.801 was disappointing in terms of there's

NOTE Confidence: 0.88219917

03:25:56.801 --> 03:25:59.041 not enough inclusion and is not enough

NOTE Confidence: 0.88219917

03:25:59.100 --> 03:26:01.020 of positive response to diversity

NOTE Confidence: 0.88219917

03:26:01.020 --> 03:26:02.940 in the genetic counseling field.

NOTE Confidence: 0.88219917

03:26:02.940 --> 03:26:03.646 So really,

NOTE Confidence: 0.88219917

03:26:03.646 --> 03:26:05.764 we need genetic counselors of all

NOTE Confidence: 0.88219917

03:26:05.764 --> 03:26:07.266 different backgrounds, you know?

NOTE Confidence: 0.88219917

03:26:07.266 --> 03:26:08.460 Different educational backgrounds,

NOTE Confidence: 0.88219917

03:26:08.460 --> 03:26:10.090 different jobs, different races,

NOTE Confidence: 0.88219917

03:26:10.090 --> 03:26:11.356 different gender expressions.

NOTE Confidence: 0.88219917

03:26:11.356 --> 03:26:13.924 We need all those different aspects

NOTE Confidence: 0.88219917

03:26:13.924 --> 03:26:15.409 actually strengthen the field.

NOTE Confidence: 0.88219917

03:26:15.410 --> 03:26:18.278 So I'm really excited with where genetic

NOTE Confidence: 0.88219917

03:26:18.278 --> 03:26:21.550 counseling can go and where it will go.

NOTE Confidence: 0.88219917

03:26:21.550 --> 03:26:23.590 So definitely don't be a

NOTE Confidence: 0.88219917

03:26:23.590 --> 03:26:25.222 stranger with any questions,

NOTE Confidence: 0.88219917

03:26:25.230 --> 03:26:29.038 any concerns, and it was a pleasure.

NOTE Confidence: 0.88219917

03:26:29.040 --> 03:26:29.760 Talking with him,

NOTE Confidence: 0.88219917

03:26:29.760 --> 03:26:30.960 talking to all of you.

NOTE Confidence: 0.8712848

03:26:35.650 --> 03:26:37.138 Alright, thank you everyone.

NOTE Confidence: 0.8712848

03:26:37.138 --> 03:26:39.370 Possibly see you next year but

NOTE Confidence: 0.8712848

03:26:39.439 --> 03:26:41.644 stay tuned and have a good weekend.

NOTE Confidence: 0.40131566

03:26:44.010 --> 03:26:46.144 Bye.