WEBVTT

NOTE duration:"01:00:30"

NOTE recognizability:0.859

NOTE language:en-us

NOTE Confidence: 0.732338334

00:00:00.000 --> 00:00:05.820 Welcome everyone to grand Rams.

NOTE Confidence: 0.732338334

00:00:05.820 --> 00:00:09.153 We have two sets of speakers today

NOTE Confidence: 0.732338334

00:00:09.153 --> 00:00:12.818 with two quite different topics,

NOTE Confidence: 0.732338334

00:00:12.820 --> 00:00:17.279 so our first presentation is going to

NOTE Confidence: 0.732338334

00:00:17.279 --> 00:00:21.208 be focused on tissue donation and the

NOTE Confidence: 0.732338334

00:00:21.208 --> 00:00:24.043 rapid autopsy program that's developing

NOTE Confidence: 0.732338334

00:00:24.043 --> 00:00:27.325 and and we welcome Harry Sanchez,

NOTE Confidence: 0.732338334

00:00:27.330 --> 00:00:30.600 who's an assistant professor of pathology.

NOTE Confidence: 0.732338334

00:00:30.600 --> 00:00:35.255 And and as well as Marcella Destasio,

NOTE Confidence: 0.732338334

00:00:35.260 --> 00:00:39.016 who is an instructor in pathology.

NOTE Confidence: 0.732338334

00:00:39.020 --> 00:00:41.252 Doctor Sanchez is currently

NOTE Confidence: 0.732338334

00:00:41.252 --> 00:00:44.600 developing the Yale or Doctor Sanchez

NOTE Confidence: 0.732338334

00:00:44.695 --> 00:00:47.359 and and doctor this size there.

NOTE Confidence: 0.732338334

00:00:47.360 --> 00:00:48.980 Currently developing the Yale

NOTE Confidence: 0.732338334

00:00:48.980 --> 00:00:50.195 Tissue Donation Program,

NOTE Confidence: 0.732338334

00:00:50.200 --> 00:00:53.110 which we hope will enhance.

NOTE Confidence: 0.732338334

00:00:53.110 --> 00:00:55.510 Both basic and translational research

NOTE Confidence: 0.732338334

00:00:55.510 --> 00:00:57.430 at at the school.

NOTE Confidence: 0.732338334

00:00:57.430 --> 00:00:58.612 When fully launched,

NOTE Confidence: 0.732338334

00:00:58.612 --> 00:01:00.582 the program will enable patients

NOTE Confidence: 0.732338334

00:01:00.582 --> 00:01:02.933 with late stage cancer to consent

NOTE Confidence: 0.732338334

00:01:02.933 --> 00:01:04.808 to donate tissue for research,

NOTE Confidence: 0.732338334

00:01:04.810 --> 00:01:08.621 as well as the component that

NOTE Confidence: 0.732338334

00:01:08.621 --> 00:01:10.606 is about rather rapid autopsy,

NOTE Confidence: 0.732338334

00:01:10.610 --> 00:01:14.208 where patients will be will be able

NOTE Confidence: 0.732338334

00:01:14.208 --> 00:01:17.079 to donate tissue in the context

NOTE Confidence: 0.732338334

00:01:17.079 --> 00:01:20.180 of a rapid autopsy program or a

NOTE Confidence: 0.732338334

00:01:20.282 --> 00:01:23.860 warm autopsy program so the tissue

NOTE Confidence: 0.732338334

00:01:23.860 --> 00:01:26.958 can be can can be taken and used

NOTE Confidence: 0.732338334

00:01:26.958 --> 00:01:29.170 for a variety of different.

NOTE Confidence: 0.732338334

00:01:29.170 --> 00:01:30.478 Purposes in.

NOTE Confidence: 0.732338334

00:01:30.478 --> 00:01:32.440 In my experience,

NOTE Confidence: 0.732338334

00:01:32.440 --> 00:01:32.923 many,

NOTE Confidence: 0.732338334

00:01:32.923 --> 00:01:35.821 many different labs and it's one

NOTE Confidence: 0.732338334

00:01:35.821 --> 00:01:39.640 of the big advantages of this this

NOTE Confidence: 0.732338334

00:01:39.640 --> 00:01:41.672 somewhat difficult to approach.

NOTE Confidence: 0.732338334

00:01:41.672 --> 00:01:43.704 So without further ado,

NOTE Confidence: 0.732338334

00:01:43.710 --> 00:01:45.954 I'm gonna ask Harry this morning

NOTE Confidence: 0.732338334

00:01:45.954 --> 00:01:47.980 and we'll go from there.

NOTE Confidence: 0.921552801666667

00:01:49.440 --> 00:01:52.320 OK, I'm gonna share my screen.

NOTE Confidence: 0.921552801666667

00:01:52.320 --> 00:01:54.588 And hopefully you can see that OK.

NOTE Confidence: 0.849373988888889

00:01:55.770 --> 00:01:56.905 Yeah, you just need to

NOTE Confidence: 0.849373988888889

00:01:56.905 --> 00:01:57.813 be in presentation mode

NOTE Confidence: 0.621679843333333

00:01:58.030 --> 00:01:58.738 that you go.

NOTE Confidence: 0.80489518625

00:01:59.010 --> 00:02:01.386 OK, well thank you. Thank you very much.

NOTE Confidence: 0.80489518625

00:02:01.390 --> 00:02:02.875 Doctor Weiner for the introduction

NOTE Confidence: 0.80489518625

00:02:02.875 --> 00:02:05.130 and thank you very much for having us.

NOTE Confidence: 0.80489518625

00:02:05.130 --> 00:02:06.866 As you said, we'd like to talk to

NOTE Confidence: 0.80489518625

00:02:06.866 --> 00:02:08.667 you about the rapid autopsy program,

NOTE Confidence: 0.80489518625

00:02:08.670 --> 00:02:11.060 which is really, there's nothing

NOTE Confidence: 0.80489518625

00:02:11.060 --> 00:02:13.450 technologically new about the approach,

NOTE Confidence: 0.80489518625

00:02:13.450 --> 00:02:15.860 but it is a it's a way to get patients

NOTE Confidence: 0.80489518625

00:02:15.924 --> 00:02:18.054 I think involved in the basic

NOTE Confidence: 0.80489518625

00:02:18.054 --> 00:02:20.110 science aspect of clinical research,

NOTE Confidence: 0.80489518625

00:02:20.110 --> 00:02:23.498 and it's way to coordinate our existing

NOTE Confidence: 0.80489518625

00:02:23.498 --> 00:02:26.340 resources of so that we can get.

NOTE Confidence: 0.80489518625

00:02:26.340 --> 00:02:28.362 You know, sort of address the

NOTE Confidence: 0.80489518625

00:02:28.362 --> 00:02:30.616 problem of getting high quality and

NOTE Confidence: 0.80489518625

00:02:30.616 --> 00:02:32.706 and sufficient quantity of tissue.

NOTE Confidence: 0.80489518625

00:02:32.710 --> 00:02:34.327 And so our objective said today are

NOTE Confidence: 0.80489518625

00:02:34.327 --> 00:02:36.456 to talk to you a little bit about

NOTE Confidence: 0.80489518625

00:02:36.456 --> 00:02:38.248 this approach and its advantages for

NOTE Confidence: 0.80489518625

00:02:38.248 --> 00:02:40.008 patients and and clinical researchers.

NOTE Confidence: 0.80489518625

00:02:40.010 --> 00:02:42.485 And we do feel they were advantages for both.

NOTE Confidence: 0.80489518625

00:02:42.490 --> 00:02:45.870 To talk to you a little bit about rapid

NOTE Confidence: 0.80489518625

00:02:45.870 --> 00:02:47.970 autopsy programs that already exist.

NOTE Confidence: 0.80489518625

00:02:47.970 --> 00:02:48.712 And finally,

NOTE Confidence: 0.80489518625

00:02:48.712 --> 00:02:51.309 to ask for your input and to

NOTE Confidence: 0.80489518625

00:02:51.309 --> 00:02:53.329 and your participation,

NOTE Confidence: 0.80489518625

00:02:53.330 --> 00:02:55.388 so that we're still putting this together.

NOTE Confidence: 0.80489518625

00:02:55.390 --> 00:02:56.356 Those of you with thoughts on

NOTE Confidence: 0.80489518625

00:02:56.356 --> 00:02:57.470 how we could do this better.

NOTE Confidence: 0.80489518625

00:02:57.470 --> 00:02:59.510 We'd love to hear them,

NOTE Confidence: 0.80489518625

00:02:59.510 --> 00:03:02.300 and so sorry to do that.

NOTE Confidence: 0.80489518625

00:03:02.300 --> 00:03:04.400 And we'll just. We'll go with that.

NOTE Confidence: 0.80489518625

00:03:04.400 --> 00:03:06.410 The outline I'd like to put

NOTE Confidence: 0.80489518625

00:03:06.410 --> 00:03:08.609 the problem sort of in context,

NOTE Confidence: 0.80489518625

00:03:08.610 --> 00:03:11.011 and talk about the problem of sort

NOTE Confidence: 0.80489518625

00:03:11.011 --> 00:03:14.098 of human tissue for research from the

NOTE Confidence: 0.80489518625

00:03:14.098 --> 00:03:16.578 patient and research scientist perspective,

NOTE Confidence: 0.80489518625

00:03:16.580 --> 00:03:18.500 and then talk to a little bit about

NOTE Confidence: 0.80489518625

00:03:18.500 --> 00:03:20.920 how I think the rapid autopsy approach

NOTE Confidence: 0.80489518625

00:03:20.920 --> 00:03:22.795 addresses some of those things.

NOTE Confidence: 0.80489518625

00:03:22.800 --> 00:03:24.480 It's it's not a solution for everything,

NOTE Confidence: 0.80489518625

00:03:24.480 --> 00:03:26.616 but I think it is a very useful

NOTE Confidence: 0.80489518625

00:03:26.620 --> 00:03:29.476 addition to to what's already in place.

NOTE Confidence: 0.854765481111111

00:03:31.760 --> 00:03:34.562 So problems for patients in the

NOTE Confidence: 0.854765481111111

00:03:34.562 --> 00:03:36.476 general public or, you know,

NOTE Confidence: 0.854765481111111

00:03:36.476 --> 00:03:38.247 sort of the subheading why you might

NOTE Confidence: 0.854765481111111

00:03:38.247 --> 00:03:40.397 not want if you are a patient to

NOTE Confidence: 0.854765481111111

00:03:40.397 --> 00:03:41.700 participate in clinical research.

NOTE Confidence: 0.854765481111111

00:03:41.700 --> 00:03:43.548 And I think this goes back

NOTE Confidence: 0.854765481111111

00:03:43.548 --> 00:03:45.520 to the problem that has been

NOTE Confidence: 0.854765481111111

00:03:45.520 --> 00:03:47.530 since the beginning of sort of.

NOTE Confidence: 0.854765481111111

00:03:47.530 --> 00:03:49.680 Sort of formal medical research

NOTE Confidence: 0.854765481111111

00:03:49.680 --> 00:03:51.830 once people realized physicians in

NOTE Confidence: 0.854765481111111

00:03:51.904 --> 00:03:55.782 the 1300s that it was hard to study

NOTE Confidence: 0.854765481111111

00:03:55.782 --> 00:03:57.870 function without understanding form,

NOTE Confidence: 0.854765481111111

00:03:57.870 --> 00:03:59.354 people started studying anatomy,

NOTE Confidence: 0.854765481111111

00:03:59.354 --> 00:04:02.149 and at the very beginning it was a

NOTE Confidence: 0.854765481111111

00:04:02.149 --> 00:04:03.714 small enough enterprise that only

NOTE Confidence: 0.854765481111111

00:04:03.714 --> 00:04:05.950 the most marginal people executed.

NOTE Confidence: 0.854765481111111

00:04:05.950 --> 00:04:07.760 Criminals were what was needed

NOTE Confidence: 0.854765481111111

00:04:07.760 --> 00:04:09.208 and that was enough,

NOTE Confidence: 0.854765481111111

00:04:09.210 --> 00:04:11.856 but as interest spread success became,

NOTE Confidence: 0.854765481111111

00:04:11.860 --> 00:04:12.738 you know,

NOTE Confidence: 0.854765481111111

00:04:12.738 --> 00:04:15.372 sort of more universal and the

NOTE Confidence: 0.854765481111111

00:04:15.372 --> 00:04:16.960 approach became adopted.

NOTE Confidence: 0.854765481111111

00:04:16.960 --> 00:04:21.536 The supply of of bodies for a study

NOTE Confidence: 0.854765481111111

00:04:21.540 --> 00:04:25.096 was far short of the legitimate demand,

NOTE Confidence: 0.854765481111111

00:04:25.100 --> 00:04:27.543 and so it created this sort of

NOTE Confidence: 0.854765481111111

00:04:27.543 --> 00:04:29.488 underground network of supply and

NOTE Confidence: 0.854765481111111

00:04:29.488 --> 00:04:31.558 people resorted to grave robbery,

NOTE Confidence: 0.854765481111111

00:04:31.560 --> 00:04:33.440 and when that wasn't enough,

NOTE Confidence: 0.854765481111111

00:04:33.440 --> 00:04:36.951 eventually in in Edinburgh murder to

NOTE Confidence: 0.854765481111111

00:04:36.951 --> 00:04:39.439 come by tissue and that led to the

NOTE Confidence: 0.854765481111111

00:04:39.439 --> 00:04:41.260 Anatomy Act of 1832 and the reason

NOTE Confidence: 0.854765481111111

00:04:41.260 --> 00:04:43.541 that I include this is that I think

NOTE Confidence: 0.854765481111111

00:04:43.541 --> 00:04:45.623 the Anatomy Act which addressed this

NOTE Confidence: 0.854765481111111

00:04:45.623 --> 00:04:47.410 problem beautifully states the problem.

NOTE Confidence: 0.854765481111111

00:04:47.410 --> 00:04:47.803 Basically,

NOTE Confidence: 0.854765481111111

00:04:47.803 --> 00:04:50.554 you can't know the causes and nature

NOTE Confidence: 0.854765481111111

00:04:50.554 --> 00:04:52.748 of disease without studying tissue,

NOTE Confidence: 0.854765481111111

00:04:52.748 --> 00:04:55.322 but the supply of tissue is

NOTE Confidence: 0.854765481111111

00:04:55.322 --> 00:04:57.347 insufficient and that can drive

NOTE Confidence: 0.854765481111111

00:04:57.347 --> 00:04:59.902 people to do very ill advised things,

NOTE Confidence: 0.854765481111111

00:04:59.910 --> 00:05:02.136 and that's not a problem that

NOTE Confidence: 0.854765481111111

00:05:02.136 --> 00:05:04.190 went away in the 1800s.

NOTE Confidence: 0.854765481111111

00:05:04.190 --> 00:05:05.662 So on the left here you can see

NOTE Confidence: 0.854765481111111

00:05:05.662 --> 00:05:07.701 this is an image from the Tuskegee

NOTE Confidence: 0.854765481111111

00:05:07.701 --> 00:05:08.349 syphilis experiments,

NOTE Confidence: 0.854765481111111

00:05:08.350 --> 00:05:11.374 which are rather the study that started

NOTE Confidence: 0.854765481111111

00:05:11.374 --> 00:05:14.690 in 1932 and went on for the next 40 years,

NOTE Confidence: 0.854765481111111

00:05:14.690 --> 00:05:16.712 400 unwitting.

NOTE Confidence: 0.854765481111111

00:05:16.712 --> 00:05:21.332 Volunteers for this program and on

NOTE Confidence: 0.854765481111111

00:05:21.332 --> 00:05:23.334 the right is the front cover from

NOTE Confidence: 0.854765481111111

00:05:23.334 --> 00:05:25.770 the immortal life of Henrietta, Lex.

NOTE Confidence: 0.854765481111111

00:05:25.770 --> 00:05:28.330 She was a woman in her early 30s

NOTE Confidence: 0.854765481111111

00:05:28.330 --> 00:05:30.758 who developed cervical cancer,

NOTE Confidence: 0.854765481111111

00:05:30.760 --> 00:05:33.280 went to Johns Hopkins for treatment

NOTE Confidence: 0.854765481111111

00:05:33.280 --> 00:05:36.260 and tissue from her cervical cancer,

NOTE Confidence: 0.854765481111111

00:05:36.260 --> 00:05:38.738 was used to create a very successful

NOTE Confidence: 0.854765481111111

00:05:38.740 --> 00:05:39.460 cell line.

NOTE Confidence: 0.854765481111111

00:05:39.460 --> 00:05:40.900 The heel of cells,

NOTE Confidence: 0.854765481111111

00:05:40.900 --> 00:05:42.940 but that was done completely without

NOTE Confidence: 0.854765481111111

00:05:42.940 --> 00:05:44.840 her knowledge or her consent.

NOTE Confidence: 0.854765481111111

00:05:44.840 --> 00:05:46.751 And so while all of these things

NOTE Confidence: 0.854765481111111

00:05:46.751 --> 00:05:47.570 may have had.

NOTE Confidence: 0.854765481111111

00:05:47.570 --> 00:05:49.870 Good intentions behind them

NOTE Confidence: 0.854765481111111

00:05:49.870 --> 00:05:52.170 and developed some results.

NOTE Confidence: 0.854765481111111

00:05:52.170 --> 00:05:55.700 The result is that human.

NOTE Confidence: 0.854765481111111

00:05:55.700 --> 00:05:57.842 Sort of tissue for use of medical

NOTE Confidence: 0.854765481111111

00:05:57.842 --> 00:05:59.744 research has this sort of checkered

NOTE Confidence: 0.854765481111111

00:05:59.744 --> 00:06:00.976 and sort of fraud.

NOTE Confidence: 0.854765481111111

00:06:00.980 --> 00:06:01.646 Past that,

NOTE Confidence: 0.854765481111111

00:06:01.646 --> 00:06:03.644 I think generates the sort of

NOTE Confidence: 0.854765481111111

00:06:03.644 --> 00:06:05.300 suspicion that still with us today.

NOTE Confidence: 0.854765481111111

00:06:05.300 --> 00:06:07.180 Even when we try to do things as a as

NOTE Confidence: 0.854765481111111

00:06:07.233 --> 00:06:09.369 a profession that are for the public good.

NOTE Confidence: 0.88139842

00:06:11.390 --> 00:06:12.550 No, there are still

NOTE Confidence: 0.91235619375

00:06:12.610 --> 00:06:14.850 plenty of people who want to participate

NOTE Confidence: 0.91235619375

00:06:14.850 --> 00:06:17.187 in research and and and do and and and.

NOTE Confidence: 0.91235619375

00:06:17.190 --> 00:06:19.494 I'd like to say that I'm going to talk

NOTE Confidence: 0.91235619375

00:06:19.494 --> 00:06:21.492 mostly about participating in the earliest

NOTE Confidence: 0.91235619375

00:06:21.492 --> 00:06:24.199 phases of sort of basic science research,

NOTE Confidence: 0.91235619375

00:06:24.200 --> 00:06:26.504 and that is something that's very

NOTE Confidence: 0.91235619375

00:06:26.504 --> 00:06:29.422 difficult to do as as a patient or

NOTE Confidence: 0.91235619375

00:06:29.422 --> 00:06:31.970 just a member of the general public.

NOTE Confidence: 0.91235619375

00:06:31.970 --> 00:06:35.090 Research is extraordinarily expensive.

NOTE Confidence: 0.91235619375

00:06:35.090 --> 00:06:37.862 I think you know the average NIH award is

NOTE Confidence: 0.91235619375

00:06:37.862 --> 00:06:39.758 something on the order of half $1,000,000.

NOTE Confidence: 0.91235619375

00:06:39.758 --> 00:06:42.620 And it's not the sort of thing that most

NOTE Confidence: 0.91235619375

00:06:42.691 --> 00:06:44.955 of us can put a dent in individually,

NOTE Confidence: 0.91235619375

00:06:44.960 --> 00:06:47.579 and you can do work that helps you know

NOTE Confidence: 0.91235619375

00:06:47.579 --> 00:06:50.117 with sort of organizations and things,

NOTE Confidence: 0.91235619375

00:06:50.120 --> 00:06:51.840 but you can't really foster.

NOTE Confidence: 0.91235619375

00:06:51.840 --> 00:06:53.520 You can't advance basic science

NOTE Confidence: 0.91235619375

00:06:53.520 --> 00:06:55.200 work as an untrained person.

NOTE Confidence: 0.91235619375

00:06:55.200 --> 00:06:58.320 You can, however, donate tissue.

NOTE Confidence: 0.91235619375

00:06:58.320 --> 00:07:00.030 The problem with tissue donation

NOTE Confidence: 0.91235619375

00:07:00.030 --> 00:07:02.486 as it currently exists is one of

NOTE Confidence: 0.91235619375

00:07:02.486 --> 00:07:04.196 coordination so that people do

NOTE Confidence: 0.91235619375

00:07:04.196 --> 00:07:06.319 occasionally come to us and say that

NOTE Confidence: 0.91235619375

00:07:06.319 --> 00:07:08.616 their next of kin would like to donate

NOTE Confidence: 0.91235619375

00:07:08.616 --> 00:07:10.824 their body to the medical school.

NOTE Confidence: 0.91235619375

00:07:10.830 --> 00:07:11.778 Or for research,

NOTE Confidence: 0.91235619375

00:07:11.778 --> 00:07:13.674 and the problem is that it's

NOTE Confidence: 0.91235619375

00:07:13.674 --> 00:07:15.601 sometimes hard on short notice to

NOTE Confidence: 0.91235619375

00:07:15.601 --> 00:07:17.151 put together somebody who will

NOTE Confidence: 0.91235619375

00:07:17.214 --> 00:07:19.169 receive that really generous gift.

NOTE Confidence: 0.830269749

00:07:21.230 --> 00:07:23.534 And I'm going to turn this over here

NOTE Confidence: 0.830269749

00:07:23.534 --> 00:07:25.178 to Marco, or, rather to Marcello.

NOTE Confidence: 0.919947278928572

00:07:26.260 --> 00:07:28.555 So yeah, I'm I'm just going to point out

NOTE Confidence: 0.919947278928572

00:07:28.555 --> 00:07:31.067 a couple of issues for researchers when

NOTE Confidence: 0.919947278928572

00:07:31.067 --> 00:07:33.472 it comes to performing effective research

NOTE Confidence: 0.919947278928572

00:07:33.472 --> 00:07:36.118 into the pathobiology of human disease.

NOTE Confidence: 0.919947278928572

00:07:36.120 --> 00:07:39.100 We can do next slide.

NOTE Confidence: 0.919947278928572

00:07:39.100 --> 00:07:41.539 So you know if you wanna study human disease,

NOTE Confidence: 0.919947278928572

00:07:41.540 --> 00:07:44.018 you have a few few options.

NOTE Confidence: 0.919947278928572

00:07:44.020 --> 00:07:47.395 You need cells of some kind and you need

NOTE Confidence: 0.919947278928572

00:07:47.395 --> 00:07:50.235 tools to study them with and so there

NOTE Confidence: 0.919947278928572

00:07:50.235 --> 00:07:52.840 there are a few model systems out there.

NOTE Confidence: 0.919947278928572

00:07:52.840 --> 00:07:53.800 Actually, I shouldn't say a few.

NOTE Confidence: 0.919947278928572

00:07:53.800 --> 00:07:55.760 There are many many model systems out there,

NOTE Confidence: 0.919947278928572

00:07:55.760 --> 00:07:58.560 including cell culture and models,

NOTE Confidence: 0.919947278928572

00:07:58.560 --> 00:07:59.973 surgical specimens and

NOTE Confidence: 0.919947278928572

00:07:59.973 --> 00:08:01.386 standard hospital autopsies,

NOTE Confidence: 0.919947278928572

00:08:01.390 --> 00:08:04.008 all of which are are fairly readily

NOTE Confidence: 0.919947278928572

00:08:04.008 --> 00:08:06.174 available but have their own

NOTE Confidence: 0.919947278928572

00:08:06.174 --> 00:08:09.606 limitations next slide so you know with.

NOTE Confidence: 0.919947278928572

00:08:09.610 --> 00:08:10.543 Certain tissue sources,

NOTE Confidence: 0.919947278928572

00:08:10.543 --> 00:08:12.215 like cell culture, you know cell

NOTE Confidence: 0.919947278928572

00:08:12.215 --> 00:08:13.440 culture is an incomplete system.

NOTE Confidence: 0.919947278928572

00:08:13.440 --> 00:08:17.126 The tissue is not intact and the

NOTE Confidence: 0.919947278928572

00:08:17.126 --> 00:08:19.877 cells are grown in media that may.

NOTE Confidence: 0.919947278928572

00:08:19.880 --> 00:08:20.759 Have, you know,

NOTE Confidence: 0.919947278928572

00:08:20.759 --> 00:08:23.080 may have a lot of factors in it,

NOTE Confidence: 0.919947278928572

00:08:23.080 --> 00:08:26.170 but they are not embedded in

NOTE Confidence: 0.919947278928572

00:08:26.170 --> 00:08:27.715 their natural environment,

NOTE Confidence: 0.919947278928572

00:08:27.720 --> 00:08:28.938 so it makes it difficult to model.

NOTE Confidence: 0.919947278928572

00:08:28.940 --> 00:08:32.279 You know non solar cell autonomous functions.

NOTE Confidence: 0.919947278928572

00:08:32.280 --> 00:08:35.590 Animal models of course have have contributed

NOTE Confidence: 0.919947278928572

00:08:35.590 --> 00:08:38.319 tremendously to our understanding of biology,

NOTE Confidence: 0.919947278928572

00:08:38.320 --> 00:08:39.900 but there are cross species.

NOTE Confidence: 0.919947278928572

00:08:39.900 --> 00:08:40.888 Differences and I'll just

NOTE Confidence: 0.919947278928572

00:08:40.888 --> 00:08:42.370 highlight a couple of them here.

NOTE Confidence: 0.919947278928572

00:08:42.370 --> 00:08:45.210 RB Newton Mice developed pituitary

NOTE Confidence: 0.919947278928572

00:08:45.210 --> 00:08:48.050 adenomas as opposed to retinoblastoma.

NOTE Confidence: 0.919947278928572

00:08:48.050 --> 00:08:50.654 P53, essentially a lead from any

NOTE Confidence: 0.919947278928572

00:08:50.654 --> 00:08:53.149 type of mutation in a mouse,

NOTE Confidence: 0.919947278928572

00:08:53.150 --> 00:08:54.458 produces sarcomas as opposed

NOTE Confidence: 0.919947278928572

00:08:54.458 --> 00:08:56.420 to the the often you know,

NOTE Confidence: 0.919947278928572

00:08:56.420 --> 00:08:58.970 mucosal carcinoma is typical of,

NOTE Confidence: 0.919947278928572

00:08:58.970 --> 00:09:01.154 you know, the human patient would leave

NOTE Confidence: 0.919947278928572

00:09:01.154 --> 00:09:03.530 from any and in terms of metastasis,

NOTE Confidence: 0.919947278928572

00:09:03.530 --> 00:09:06.562 you know there are models that

NOTE Confidence: 0.919947278928572

00:09:06.562 --> 00:09:09.090 that do you know,

NOTE Confidence: 0.919947278928572

00:09:09.090 --> 00:09:10.454 produce metastases?

NOTE Confidence: 0.919947278928572

00:09:10.454 --> 00:09:12.500 In in miles,

NOTE Confidence: 0.919947278928572

00:09:12.500 --> 00:09:15.518 but spontaneous metastases are much more

NOTE Confidence: 0.919947278928572

00:09:15.518 --> 00:09:19.178 rare in mice than they are in human.

NOTE Confidence: 0.919947278928572

00:09:19.180 --> 00:09:20.755 So if you want to study human,

NOTE Confidence: 0.919947278928572

00:09:20.760 --> 00:09:23.936 it's best to actually look at human tissue.

NOTE Confidence: 0.919947278928572

00:09:23.940 --> 00:09:25.100 Ohh yeah, next slide.

NOTE Confidence: 0.919947278928572

00:09:25.100 --> 00:09:27.708 So with human tissue we have a few options.

NOTE Confidence: 0.919947278928572

00:09:27.710 --> 00:09:29.410 There are surgical specimens,

NOTE Confidence: 0.919947278928572

00:09:29.410 --> 00:09:31.535 but there is limited availability

NOTE Confidence: 0.919947278928572

00:09:31.535 --> 00:09:33.059 of certain tissues,

NOTE Confidence: 0.919947278928572

00:09:33.060 --> 00:09:36.312 and the tissue that is available

NOTE Confidence: 0.919947278928572

00:09:36.312 --> 00:09:39.455 must be retained and examined by a

NOTE Confidence: 0.919947278928572

00:09:39.455 --> 00:09:41.099 pathologist for diagnostic purposes

NOTE Confidence: 0.919947278928572

00:09:41.100 --> 00:09:45.910 before it can be released for research.

NOTE Confidence: 0.919947278928572

00:09:45.910 --> 00:09:48.454 I'm a neuropathologist my my research

NOTE Confidence: 0.919947278928572

00:09:48.454 --> 00:09:51.086 interested is in central nervous system

NOTE Confidence: 0.919947278928572

00:09:51.086 --> 00:09:53.672 diseases and of course brain tissue

NOTE Confidence: 0.919947278928572

00:09:53.672 --> 00:09:56.248 is extremely precious and surgically.

NOTE Confidence: 0.919947278928572

00:09:56.250 --> 00:09:59.214 Surgical removal is is minimal as

NOTE Confidence: 0.919947278928572

00:09:59.214 --> 00:10:00.853 possible to minimize morbidity.

NOTE Confidence: 0.919947278928572

00:10:00.853 --> 00:10:03.139 So we have very limited access

NOTE Confidence: 0.919947278928572

00:10:03.139 --> 00:10:04.949 to that kind of tissue.

NOTE Confidence: 0.919947278928572

00:10:04.950 --> 00:10:06.960 And then there are standard

NOTE Confidence: 0.919947278928572

00:10:06.960 --> 00:10:08.298 hospital autopsies which,

NOTE Confidence: 0.919947278928572

00:10:08.298 --> 00:10:10.938 while there is ample tissue

NOTE Confidence: 0.919947278928572

00:10:10.938 --> 00:10:12.522 available and often,

NOTE Confidence: 0.919947278928572

00:10:12.530 --> 00:10:13.322 you know,

NOTE Confidence: 0.919947278928572

00:10:13.322 --> 00:10:15.660 consent is given the the.

NOTE Confidence: 0.919947278928572

00:10:15.660 --> 00:10:18.535 Status of the tissue is

NOTE Confidence: 0.919947278928572

00:10:18.535 --> 00:10:20.960 often the problem here,

NOTE Confidence: 0.919947278928572

00:10:20.960 --> 00:10:23.715 so with longer postmortem intervals

NOTE Confidence: 0.919947278928572

00:10:23.715 --> 00:10:26.338 there's degradation that occurs and

NOTE Confidence: 0.919947278928572

00:10:26.338 --> 00:10:29.264 also you know the the standard autopsy

NOTE Confidence: 0.919947278928572

00:10:29.264 --> 00:10:32.547 service on the hospital you know accepts.

NOTE Confidence: 0.919947278928572

00:10:32.550 --> 00:10:35.084 Patients from a wide variety of sources,

NOTE Confidence: 0.919947278928572

00:10:35.090 --> 00:10:36.825 some of which are better

NOTE Confidence: 0.919947278928572

00:10:36.825 --> 00:10:37.866 documented than others,

NOTE Confidence: 0.919947278928572

00:10:37.870 --> 00:10:40.894 and so you know one thing that the rapid

NOTE Confidence: 0.919947278928572

00:10:40.894 --> 00:10:43.610 autopsy program aims to do is to recruit.

NOTE Confidence: 0.919947278928572

00:10:43.610 --> 00:10:48.018 You know donors who are well known to

NOTE Confidence: 0.919947278928572

00:10:48.018 --> 00:10:51.129 clinical services and their you know,

NOTE Confidence: 0.919947278928572

00:10:51.130 --> 00:10:54.490 clinical researchers here at Yale.

NOTE Confidence: 0.849801515

00:10:54.490 --> 00:10:56.611 So just to quickly highlight a couple

NOTE Confidence: 0.849801515

00:10:56.611 --> 00:10:58.769 of effects of postmortem interval,

NOTE Confidence: 0.849801515

00:10:58.770 --> 00:11:00.384 if you look at these Histology

NOTE Confidence: 0.849801515

00:11:00.384 --> 00:11:02.130 images here on the right side,

NOTE Confidence: 0.849801515

00:11:02.130 --> 00:11:04.322 this was a nice study where they they

NOTE Confidence: 0.849801515

00:11:04.322 --> 00:11:05.848 used surgical specimens and then

NOTE Confidence: 0.849801515

00:11:05.848 --> 00:11:07.684 basically just let them sit around

NOTE Confidence: 0.849801515

00:11:07.684 --> 00:11:09.824 for a few hours and see what happened

NOTE Confidence: 0.849801515

00:11:09.830 --> 00:11:12.582 to the tissue and you can see that

NOTE Confidence: 0.849801515

00:11:12.582 --> 00:11:15.710 as the postmortem interval changes.

NOTE Confidence: 0.849801515

00:11:15.710 --> 00:11:16.822 I just I really,

NOTE Confidence: 0.849801515

00:11:16.822 --> 00:11:18.927 I just want you to appreciate that

NOTE Confidence: 0.849801515

00:11:18.927 --> 00:11:21.545 there are changes from a an immediately

NOTE Confidence: 0.849801515

00:11:21.545 --> 00:11:24.498 resected specimen on the far left to the.

NOTE Confidence: 0.849801515

00:11:24.498 --> 00:11:27.714 24 hour interval on the on the far right

NOTE Confidence: 0.849801515

00:11:27.714 --> 00:11:29.420 and and essentially what's happening there.

NOTE Confidence: 0.849801515

00:11:29.420 --> 00:11:31.700 There's breakdown of membrane integrity.

NOTE Confidence: 0.849801515

00:11:31.700 --> 00:11:35.000 Proteins are denaturing, and you're.

NOTE Confidence: 0.849801515

00:11:35.000 --> 00:11:37.752 You're basically losing the

NOTE Confidence: 0.849801515

00:11:37.752 --> 00:11:39.816 the histologic structure.

NOTE Confidence: 0.849801515

00:11:39.820 --> 00:11:42.640 The histone morphology of the tissue

NOTE Confidence: 0.849801515

00:11:42.640 --> 00:11:45.952 which which can be limiting for for our

NOTE Confidence: 0.849801515

00:11:45.952 --> 00:11:47.938 understanding of of microscopic anatomy.

NOTE Confidence: 0.849801515

00:11:47.938 --> 00:11:49.898 In that case there's also

NOTE Confidence: 0.849801515

00:11:49.898 --> 00:11:51.560 molecular changes that occur.

NOTE Confidence: 0.849801515

00:11:51.560 --> 00:11:55.550 There's a lot of rhetoric around RNA.

NOTE Confidence: 0.849801515

00:11:55.550 --> 00:11:58.110 And post mortem interval is related to RNA.

NOTE Confidence: 0.849801515

00:11:58.110 --> 00:12:01.197 I can attest to the fact that grant reviewers

NOTE Confidence: 0.849801515

00:12:01.197 --> 00:12:03.549 get very very touchy when it comes to RNA.

NOTE Confidence: 0.849801515

00:12:03.550 --> 00:12:06.006 I think it's actually a little bit overblown.

NOTE Confidence: 0.849801515

00:12:06.010 --> 00:12:08.374 The total quantity of RNA actually

NOTE Confidence: 0.849801515

00:12:08.374 --> 00:12:09.950 doesn't decrease that much,

NOTE Confidence: 0.849801515

00:12:09.950 --> 00:12:11.525 but there's actually more insidious

NOTE Confidence: 0.849801515

00:12:11.525 --> 00:12:12.910 problem when it comes to setting

NOTE Confidence: 0.849801515

00:12:12.910 --> 00:12:14.570 RNA and postmortem tissue,

NOTE Confidence: 0.849801515

00:12:14.570 --> 00:12:16.890 which is that certain RNA's

NOTE Confidence: 0.849801515

00:12:16.890 --> 00:12:20.190 actually decrease or increase right?

NOTE Confidence: 0.849801515

00:12:20.190 --> 00:12:20.798 Because transcription,

NOTE Confidence: 0.849801515

00:12:20.798 --> 00:12:22.926 you know your your tissues don't necessarily

NOTE Confidence: 0.849801515

00:12:22.926 --> 00:12:24.795 know that your brain is stopped function.

NOTE Confidence: 0.849801515

00:12:24.800 --> 00:12:27.165 Functioning or that your heart

NOTE Confidence: 0.849801515

00:12:27.165 --> 00:12:29.057 has stopped beating immediately,

NOTE Confidence: 0.849801515

00:12:29.060 --> 00:12:30.971 so certain transcripts

NOTE Confidence: 0.849801515

00:12:30.971 --> 00:12:33.519 actually increase after death,

NOTE Confidence: 0.849801515

00:12:33.520 --> 00:12:36.196 and certain transcripts decrease after death,

NOTE Confidence: 0.849801515

00:12:36.200 --> 00:12:39.028 and so that can lead to substantial

NOTE Confidence: 0.849801515

00:12:39.028 --> 00:12:41.079 unquantifiable bias in your study,

NOTE Confidence: 0.849801515

00:12:41.080 --> 00:12:43.920 which I think is actually a more significant

NOTE Confidence: 0.849801515

00:12:43.920 --> 00:12:45.949 problem than total RNA integrity.

NOTE Confidence: 0.849801515

00:12:45.950 --> 00:12:47.756 And then for the next slide there

NOTE Confidence: 0.849801515

00:12:47.756 --> 00:12:49.209 are also effects on proteins.

NOTE Confidence: 0.849801515

00:12:49.210 --> 00:12:52.138 This was a nice study that was done

NOTE Confidence: 0.849801515

00:12:52.138 --> 00:12:54.886 on cerebral spinal fluid and looking

NOTE Confidence: 0.849801515

00:12:54.886 --> 00:12:57.784 at the effect of protein aggregation.

NOTE Confidence: 0.849801515

00:12:57.790 --> 00:13:00.538 Actually in the CSF.

NOTE Confidence: 0.849801515

00:13:00.540 --> 00:13:02.145 Overtime after death.

NOTE Confidence: 0.849801515

00:13:02.145 --> 00:13:03.750 And so again,

NOTE Confidence: 0.849801515

00:13:03.750 --> 00:13:05.578 these are basically deviations

NOTE Confidence: 0.849801515

00:13:05.578 --> 00:13:08.320 from the normal Physiology of life

NOTE Confidence: 0.849801515

00:13:08.391 --> 00:13:10.676 that are occurring and therefore

NOTE Confidence: 0.849801515

00:13:10.676 --> 00:13:12.961 less representative of the state

NOTE Confidence: 0.849801515

00:13:13.032 --> 00:13:14.927 of your system during life.

NOTE Confidence: 0.849801515

00:13:14.930 --> 00:13:15.932 So these are all effects that

NOTE Confidence: 0.849801515

00:13:15.932 --> 00:13:16.970 we would like to minimize.

NOTE Confidence: 0.849801515

00:13:16.970 --> 00:13:20.330 With the rapid autopsy program.

NOTE Confidence: 0.849801515

00:13:20.330 --> 00:13:21.620 Another limitation.

NOTE Confidence: 0.85990760625

00:13:23.810 --> 00:13:25.835 With currently available tissue is

NOTE Confidence: 0.85990760625

00:13:25.835 --> 00:13:27.600 just in sampling surgical specimens.

NOTE Confidence: 0.85990760625

00:13:27.600 --> 00:13:29.525 For example, you know we have to.

NOTE Confidence: 0.85990760625

00:13:29.530 --> 00:13:30.280 As I mentioned,

NOTE Confidence: 0.85990760625

00:13:30.280 --> 00:13:31.530 we have to minimize morbidity.

NOTE Confidence: 0.85990760625

00:13:31.530 --> 00:13:33.030 So in the central nervous system,

NOTE Confidence: 0.85990760625

00:13:33.030 --> 00:13:35.070 you know that you you can only take so much.

NOTE Confidence: 0.85990760625

00:13:35.070 --> 00:13:37.765 So this picture just shows a composite

NOTE Confidence: 0.85990760625

00:13:37.765 --> 00:13:40.189 fMRI image of eloquent cortex.

NOTE Confidence: 0.85990760625

00:13:40.190 --> 00:13:41.141 In other words,

NOTE Confidence: 0.85990760625

00:13:41.141 --> 00:13:43.750 brain that you still need in your head,

NOTE Confidence: 0.85990760625

00:13:43.750 --> 00:13:47.010 and so therefore is inaccessible

NOTE Confidence: 0.85990760625

00:13:47.010 --> 00:13:49.812 to interested researchers, and so.

NOTE Confidence: 0.85990760625

00:13:49.812 --> 00:13:51.917 Of course this stuff is

NOTE Confidence: 0.85990760625

00:13:51.917 --> 00:13:54.080 is is extremely valuable.

NOTE Confidence: 0.85990760625

00:13:54.080 --> 00:13:56.760 For understanding the tumor environment,

NOTE Confidence: 0.85990760625

00:13:56.760 --> 00:13:59.154 but we are unable to study it

NOTE Confidence: 0.85990760625

00:13:59.154 --> 00:14:00.900 using standard surgical specimens.

NOTE Confidence: 0.849392740666667

00:14:03.100 --> 00:14:04.645 And that's important.

NOTE Confidence: 0.849392740666667

00:14:04.645 --> 00:14:09.078 It's important to have a wide breadth of of

NOTE Confidence: 0.849392740666667

00:14:09.078 --> 00:14:12.478 tissue to study both in space and in time,

NOTE Confidence: 0.849392740666667

00:14:12.480 --> 00:14:15.462 because we need to understand tumor

NOTE Confidence: 0.849392740666667

00:14:15.462 --> 00:14:19.176 tumors both in space and time, we need to

NOTE Confidence: 0.849392740666667

00:14:19.176 --> 00:14:20.736 understand heterogeneity within the tumor.

NOTE Confidence: 0.849392740666667

00:14:20.740 --> 00:14:22.595 There are multiple clones within a tumor,

NOTE Confidence: 0.849392740666667

00:14:22.600 --> 00:14:24.700 some of which give rise to metastasis.

NOTE Confidence: 0.849392740666667

00:14:24.700 --> 00:14:26.938 There's evolution we see molecular evolution.

NOTE Confidence: 0.849392740666667

00:14:26.940 --> 00:14:30.456 We see phenotypic evolution in tumors.

NOTE Confidence: 0.849392740666667

00:14:30.460 --> 00:14:32.830 Within the primary tumor and

NOTE Confidence: 0.849392740666667

00:14:32.830 --> 00:14:36.552 we also see a selection for for

NOTE Confidence: 0.849392740666667

00:14:36.552 --> 00:14:39.256 certain features in metastasis,

NOTE Confidence: 0.849392740666667

00:14:39.260 --> 00:14:41.420 so access to all of this

NOTE Confidence: 0.849392740666667

00:14:41.420 --> 00:14:42.860 tissue from multiple sites.

NOTE Confidence: 0.849392740666667

00:14:42.860 --> 00:14:46.010 Multiple regions of the tumors.

NOTE Confidence: 0.849392740666667

00:14:46.010 --> 00:14:48.160 Is all essential for understanding

NOTE Confidence: 0.849392740666667

00:14:48.160 --> 00:14:49.450 the the complete,

NOTE Confidence: 0.849392740666667

00:14:49.450 --> 00:14:51.690 you know pathobiology of tumor

NOTE Confidence: 0.849392740666667

00:14:51.690 --> 00:14:53.482 Genesis and metastasis formation.

NOTE Confidence: 0.720054595

00:14:56.120 --> 00:14:58.300 So so thank you. So what

NOTE Confidence: 0.720054595

00:14:58.300 --> 00:14:59.950 I'd like to talk to you

NOTE Confidence: 0.8464468156

00:15:00.019 --> 00:15:02.427 about next is just some of the mechanics

NOTE Confidence: 0.8464468156

00:15:02.427 --> 00:15:05.326 of of what rapid autopsies actually are.

NOTE Confidence: 0.8464468156

00:15:05.330 --> 00:15:07.802 And how they differ from a standard autopsy

NOTE Confidence: 0.8464468156

00:15:07.802 --> 00:15:10.631 and then the short answer is that rapid

NOTE Confidence: 0.8464468156

00:15:10.631 --> 00:15:12.720 autopsies are not technically autopsies.

NOTE Confidence: 0.8464468156

00:15:12.720 --> 00:15:14.920 They are anatomic gifts,

NOTE Confidence: 0.8464468156

00:15:14.920 --> 00:15:18.043 so an autopsy is a diagnostic

NOTE Confidence: 0.8464468156

00:15:18.043 --> 00:15:20.989 procedure performed on the remains of,

NOTE Confidence: 0.8464468156

00:15:20.990 --> 00:15:23.396 you know, a decedent and and.

NOTE Confidence: 0.8464468156

00:15:23.400 --> 00:15:24.548 Permission can only be

NOTE Confidence: 0.8464468156

00:15:24.548 --> 00:15:26.270 given by the next of kin.

NOTE Confidence: 0.8464468156

00:15:26.270 --> 00:15:27.590 The legal next of kin.

NOTE Confidence: 0.8464468156

00:15:27.590 --> 00:15:29.260 I cannot legally give permission

NOTE Confidence: 0.8464468156

00:15:29.260 --> 00:15:31.530 in life for my own autopsy.

NOTE Confidence: 0.8464468156

00:15:31.530 --> 00:15:34.086 That permission doesn't survive my death,

NOTE Confidence: 0.8464468156

00:15:34.090 --> 00:15:34.537 however.

NOTE Confidence: 0.8464468156

00:15:34.537 --> 00:15:38.560 I can give and this is by virtue of

NOTE Confidence: 0.8464468156

00:15:38.670 --> 00:15:41.866 some universal anatomic gift act

NOTE Confidence: 0.8464468156

00:15:41.866 --> 00:15:43.250 legislation that's been adopted

NOTE Confidence: 0.8464468156

00:15:43.250 --> 00:15:45.520 by most states in this country.

NOTE Confidence: 0.8464468156

00:15:45.520 --> 00:15:48.568 I can in life give permission for an

NOTE Confidence: 0.8464468156

00:15:48.568 --> 00:15:50.973 anatomical gift of part or all of my

NOTE Confidence: 0.8464468156

00:15:50.973 --> 00:15:53.040 body for the purposes of transplantation,

NOTE Confidence: 0.8464468156

00:15:53.040 --> 00:15:54.300 therapy or research,

NOTE Confidence: 0.8464468156

00:15:54.300 --> 00:15:57.240 and this is from the Connecticut statute

NOTE Confidence: 0.8464468156

00:15:57.315 --> 00:15:59.877 and the important thing about this

NOTE Confidence: 0.8464468156

00:15:59.877 --> 00:16:02.280 statute which governs organ donation,

NOTE Confidence: 0.8464468156

00:16:02.280 --> 00:16:06.410 is that this permission survives my death.

NOTE Confidence: 0.8464468156

00:16:06.410 --> 00:16:08.870 And cannot be.

NOTE Confidence: 0.8464468156

00:16:08.870 --> 00:16:10.490 Sort of rescinded or modified

NOTE Confidence: 0.8464468156

00:16:10.490 --> 00:16:12.110 by my next of Kent,

NOTE Confidence: 0.8464468156

00:16:12.110 --> 00:16:14.422 so it's it's a durable gift and it

NOTE Confidence: 0.8464468156

00:16:14.422 --> 00:16:17.048 can be made not only for as I said,

NOTE Confidence: 0.8464468156

00:16:17.050 --> 00:16:17.422 transplantation,

NOTE Confidence: 0.8464468156

00:16:17.422 --> 00:16:20.398 but to a hospital or a medical school

NOTE Confidence: 0.8464468156

00:16:20.398 --> 00:16:22.613 dental school or university specifically

NOTE Confidence: 0.8464468156

00:16:22.613 --> 00:16:25.428 for research and education purposes.

NOTE Confidence: 0.8464468156

00:16:25.430 --> 00:16:27.019 So this is what covers these things.

NOTE Confidence: 0.8464468156

00:16:27.020 --> 00:16:28.792 As Marcelo pointed out,

NOTE Confidence: 0.8464468156

00:16:28.792 --> 00:16:31.007 the delay in standard autopsies

NOTE Confidence: 0.8464468156

00:16:31.007 --> 00:16:33.369 is the thing that you know,

NOTE Confidence: 0.8464468156

00:16:33.370 --> 00:16:35.110 renders the tissue less useful.

NOTE Confidence: 0.8464468156

00:16:35.110 --> 00:16:37.516 And we've looked at our own

NOTE Confidence: 0.8464468156

00:16:37.516 --> 00:16:38.719 postmortem intervals over.

NOTE Confidence: 0.8464468156

00:16:38.720 --> 00:16:42.500 2/3 of our cases are longer than

NOTE Confidence: 0.8464468156

00:16:42.500 --> 00:16:44.462 24 hours between time of death

NOTE Confidence: 0.8464468156

00:16:44.462 --> 00:16:46.782 and start of what typsy and most

NOTE Confidence: 0.8464468156

00:16:46.782 --> 00:16:48.973 of that delay is due to consent

NOTE Confidence: 0.8464468156

00:16:49.050 --> 00:16:51.370 delays and and family discussions,

NOTE Confidence: 0.8464468156

00:16:51.370 --> 00:16:53.967 which are important but take place after

NOTE Confidence: 0.8464468156

00:16:53.967 --> 00:16:56.866 death and and sort of slow things down.

NOTE Confidence: 0.8464468156

00:16:56.870 --> 00:17:01.007 So how does the actual process work?

NOTE Confidence: 0.8464468156

00:17:01.010 --> 00:17:04.520 So what we propose is that research

NOTE Confidence: 0.8464468156

00:17:04.520 --> 00:17:06.800 investigators contact us when

NOTE Confidence: 0.8464468156

00:17:06.800 --> 00:17:10.441 they have sort of Yale approved

NOTE Confidence: 0.8464468156

00:17:10.441 --> 00:17:13.209 Yale IRB approved protocols,

NOTE Confidence: 0.8464468156

00:17:13.210 --> 00:17:15.163 file them with us and and talk

NOTE Confidence: 0.8464468156

00:17:15.163 --> 00:17:17.529 to us about the requirements for

NOTE Confidence: 0.8464468156

00:17:17.529 --> 00:17:19.469 tissue collection and storage.

NOTE Confidence: 0.8464468156

00:17:19.470 --> 00:17:21.996 The clinicians and researchers are identify

NOTE Confidence: 0.8464468156

00:17:21.996 --> 00:17:24.609 patients and you already have research,

NOTE Confidence: 0.8464468156

00:17:24.610 --> 00:17:25.118 you know,

NOTE Confidence: 0.8464468156

00:17:25.118 --> 00:17:26.388 sort of relationships with them,

NOTE Confidence: 0.8464468156

00:17:26.390 --> 00:17:28.005 so that makes that easier

NOTE Confidence: 0.8464468156

00:17:28.005 --> 00:17:29.297 that might be interested,

NOTE Confidence: 0.8464468156

00:17:29.300 --> 00:17:32.160 and if they are interested,

NOTE Confidence: 0.8464468156

00:17:32.160 --> 00:17:34.960 walk through this very transparent

NOTE Confidence: 0.8464468156

00:17:34.960 --> 00:17:37.760 and very thorough consent process.

NOTE Confidence: 0.8464468156

00:17:37.760 --> 00:17:40.118 If the consent is is given,

NOTE Confidence: 0.8464468156

00:17:40.120 --> 00:17:44.010 we retain a copy of that at our program and

NOTE Confidence: 0.8464468156

00:17:44.110 --> 00:17:48.100 provide contact information with the family.

NOTE Confidence: 0.8464468156

00:17:48.100 --> 00:17:49.829 When the donor dies,

NOTE Confidence: 0.8464468156

00:17:49.829 --> 00:17:52.244 we were contacted either by

NOTE Confidence: 0.8464468156

00:17:52.244 --> 00:17:54.738 the family or the facility.

NOTE Confidence: 0.8464468156

00:17:54.740 --> 00:17:56.861 The permission you know we contact next

NOTE Confidence: 0.8464468156

00:17:56.861 --> 00:17:59.486 of kin and then we assemble our staff

NOTE Confidence: 0.8464468156

00:17:59.486 --> 00:18:02.109 as quickly as possible within an hour,

NOTE Confidence: 0.8464468156

00:18:02.109 --> 00:18:02.542 certainly.

NOTE Confidence: 0.8464468156

00:18:02.542 --> 00:18:05.883 And and we hope that we'll be able

NOTE Confidence: 0.8464468156

00:18:05.883 --> 00:18:08.376 to get to the actual you know,

NOTE Confidence: 0.8464468156

00:18:08.376 --> 00:18:10.516 process within a few hours,

NOTE Confidence: 0.8464468156

00:18:10.520 --> 00:18:12.405 hopefully no more than six

NOTE Confidence: 0.8464468156

00:18:12.405 --> 00:18:13.913 and and hopefully less.

NOTE Confidence: 0.8464468156

00:18:13.920 --> 00:18:15.756 The idea is that we collect

NOTE Confidence: 0.8464468156

00:18:15.756 --> 00:18:16.980 this according to protocol,

NOTE Confidence: 0.8464468156

00:18:16.980 --> 00:18:18.816 save it in the appropriate way,

NOTE Confidence: 0.8464468156

00:18:18.820 --> 00:18:21.662 and then hand it off at the

NOTE Confidence: 0.8464468156

00:18:21.662 --> 00:18:24.102 first possible chance to the

NOTE Confidence: 0.8464468156

00:18:24.102 --> 00:18:25.346 research lab who recruited.

NOTE Confidence: 0.822879844444445

00:18:25.350 --> 00:18:27.807 This patient, and so we're not a tissue bank.

NOTE Confidence: 0.822879844444445

00:18:27.810 --> 00:18:29.987 We are just sort of there to

NOTE Confidence: 0.822879844444445

00:18:29.987 --> 00:18:31.525 you know, smooth things over.

NOTE Confidence: 0.822879844444445

00:18:31.525 --> 00:18:33.660 I'll turn this back over to Marcella.

NOTE Confidence: 0.721923697142857

00:18:34.270 --> 00:18:36.447 Yeah, I won't be labor this but

NOTE Confidence: 0.721923697142857

00:18:36.447 --> 00:18:38.590 actually go right to the next slide.

NOTE Confidence: 0.721923697142857

00:18:38.590 --> 00:18:42.592 There are a whole host of

NOTE Confidence: 0.721923697142857

00:18:42.592 --> 00:18:44.510 modern technologies that have

NOTE Confidence: 0.721923697142857

00:18:44.510 --> 00:18:45.960 really come into their own.

NOTE Confidence: 0.721923697142857

00:18:45.960 --> 00:18:48.540 A lot of them driven by

NOTE Confidence: 0.721923697142857

00:18:48.540 --> 00:18:49.830 next generation sequencing,

NOTE Confidence: 0.721923697142857

00:18:49.830 --> 00:18:53.292 but also by new techniques and

NOTE Confidence: 0.721923697142857

00:18:53.292 --> 00:18:55.540 microfluidics and other other.

NOTE Confidence: 0.721923697142857

00:18:55.540 --> 00:18:56.560 High throughput.

NOTE Confidence: 0.922151615

00:18:58.620 --> 00:19:01.164 Platforms that allow us to just

NOTE Confidence: 0.922151615

00:19:01.164 --> 00:19:04.007 gather a huge amount of data from,

NOTE Confidence: 0.922151615

00:19:04.007 --> 00:19:06.442 you know, relatively small but

NOTE Confidence: 0.922151615

00:19:06.442 --> 00:19:09.020 high quality fragments of tissue,

NOTE Confidence: 0.922151615

00:19:09.020 --> 00:19:11.888 and so all of these highlighted

NOTE Confidence: 0.922151615

00:19:11.888 --> 00:19:14.886 here are certainly on the table

NOTE Confidence: 0.922151615

00:19:14.886 --> 00:19:17.764 they've been performed in human

NOTE Confidence: 0.922151615

00:19:17.764 --> 00:19:20.976 tissue and and validated there are.

NOTE Confidence: 0.922151615

00:19:20.976 --> 00:19:23.064 Yeah there. There are too many

NOTE Confidence: 0.922151615

00:19:23.064 --> 00:19:24.919 technologies to sort of enumerate,

NOTE Confidence: 0.922151615

00:19:24.920 --> 00:19:28.148 but a large number of them.

NOTE Confidence: 0.922151615

00:19:28.150 --> 00:19:34.478 Really yield the highest quality of data.

NOTE Confidence: 0.922151615

00:19:34.480 --> 00:19:38.424 And and by by quality I mean high

NOTE Confidence: 0.922151615

00:19:38.424 --> 00:19:40.952 reliability information which which is

NOTE Confidence: 0.922151615

00:19:40.952 --> 00:19:44.036 basically it's important to combat these

NOTE Confidence: 0.922151615

00:19:44.036 --> 00:19:47.533 issues of of bias and and and being

NOTE Confidence: 0.922151615

00:19:47.533 --> 00:19:50.689 misled by artifactual changes in the tissue,

NOTE Confidence: 0.922151615

00:19:50.690 --> 00:19:53.250 which with with these huge data sets is

NOTE Confidence: 0.922151615

00:19:53.250 --> 00:19:55.879 very easy to get sort of LED down the

NOTE Confidence: 0.922151615

00:19:55.879 --> 00:19:58.410 garden path by those kinds of artifacts.

NOTE Confidence: 0.922151615

00:19:58.410 --> 00:20:00.867 And so the quality of what you put in

NOTE Confidence: 0.922151615

00:20:00.867 --> 00:20:03.573 are really influences the value of the

NOTE Confidence: 0.922151615

00:20:03.573 --> 00:20:06.489 information that you get out of these these.

NOTE Confidence: 0.922151615

00:20:06.490 --> 00:20:10.300 High throughput, big data, new technologies,

NOTE Confidence: 0.922151615

00:20:10.300 --> 00:20:12.466 and so the rapid autopsy, again, will we?

NOTE Confidence: 0.922151615

00:20:12.466 --> 00:20:15.909 We aim for that to be sort of the input

NOTE Confidence: 0.922151615

00:20:15.909 --> 00:20:18.405 to many different types of experiments.

NOTE Confidence: 0.922151615

00:20:18.410 --> 00:20:19.109 My ability, yes.

NOTE Confidence: 0.922151615

00:20:19.109 --> 00:20:20.274 So these are the limitations.

NOTE Confidence: 0.922151615

00:20:20.280 --> 00:20:21.336 Again, the things that we talked

NOTE Confidence: 0.922151615

00:20:21.336 --> 00:20:22.320 about you know post mortem,

NOTE Confidence: 0.922151615

00:20:22.320 --> 00:20:23.577 interval, time, temperature,

NOTE Confidence: 0.922151615

00:20:23.577 --> 00:20:25.672 all these things can affect

NOTE Confidence: 0.922151615

00:20:25.672 --> 00:20:27.020 quality of tissue.

NOTE Confidence: 0.922151615

00:20:27.020 --> 00:20:29.030 And of course clinical factors.

NOTE Confidence: 0.922151615

00:20:29.030 --> 00:20:32.138 Again just contribute to the value

NOTE Confidence: 0.922151615

00:20:32.138 --> 00:20:35.292 in that the information about the

NOTE Confidence: 0.922151615

00:20:35.292 --> 00:20:38.320 patient having having a basically a

NOTE Confidence: 0.922151615

00:20:38.320 --> 00:20:41.010 pipeline in good communication between

NOTE Confidence: 0.922151615

00:20:41.010 --> 00:20:45.000 the the sort of basic science labs,

NOTE Confidence: 0.922151615

00:20:45.000 --> 00:20:47.635 the clinical researchers and the

NOTE Confidence: 0.922151615

00:20:47.635 --> 00:20:50.270 clinical teams treating the patients.

NOTE Confidence: 0.922151615

00:20:50.270 --> 00:20:51.770 You know closing that loop,

NOTE Confidence: 0.922151615

00:20:51.770 --> 00:20:53.810 ideally through the rapid autopsy program,

NOTE Confidence: 0.922151615

00:20:53.810 --> 00:20:55.970 where we can disseminate all this

NOTE Confidence: 0.922151615

00:20:55.970 --> 00:20:57.488 information, will will again,

NOTE Confidence: 0.922151615

00:20:57.488 --> 00:21:00.703 you get the most out of the out

NOTE Confidence: 0.922151615

00:21:00.703 --> 00:21:03.229 of the the the these precious

NOTE Confidence: 0.922151615

00:21:03.229 --> 00:21:05.989 gifts that the patients donate.

NOTE Confidence: 0.922151615

00:21:05.990 --> 00:21:07.475 So just very very quickly

NOTE Confidence: 0.922151615

00:21:07.475 --> 00:21:08.663 a couple of results.

NOTE Confidence: 0.922151615

00:21:08.670 --> 00:21:11.070 A couple of results from similar

NOTE Confidence: 0.922151615

00:21:11.070 --> 00:21:12.670 programs around the country.

NOTE Confidence: 0.922151615

00:21:12.670 --> 00:21:15.407 Johns Hopkins has a pretty mature program.

NOTE Confidence: 0.922151615

00:21:15.410 --> 00:21:16.999 They've had a a segment of it,

NOTE Confidence: 0.922151615

00:21:17.000 --> 00:21:19.328 very much focused on prostate cancer,

NOTE Confidence: 0.922151615

00:21:19.330 --> 00:21:21.190 and they've shown a lot of

NOTE Confidence: 0.922151615

00:21:21.190 --> 00:21:22.430 really interesting things about,

NOTE Confidence: 0.922151615

00:21:22.430 --> 00:21:23.138 you know,

NOTE Confidence: 0.922151615

00:21:23.138 --> 00:21:24.908 clonal evolution and prostate cancer,

NOTE Confidence: 0.922151615

00:21:24.910 --> 00:21:27.166 and how that contributes to metastasis

NOTE Confidence: 0.922151615

00:21:27.166 --> 00:21:30.035 in in different forms and the androgen

NOTE Confidence: 0.922151615

00:21:30.035 --> 00:21:32.627 insensitive and the androgen sensitive forms.

NOTE Confidence: 0.922151615

00:21:32.630 --> 00:21:36.160 Dana Farber has a very.

NOTE Confidence: 0.922151615

00:21:36.160 --> 00:21:37.918 It advanced program.

NOTE Confidence: 0.922151615

00:21:37.918 --> 00:21:43.180 This is just one example of of a breast.

NOTE Confidence: 0.922151615

00:21:43.180 --> 00:21:46.526 First carcinoma study that showed

NOTE Confidence: 0.922151615

00:21:46.526 --> 00:21:49.474 you know the the amount of diversity

NOTE Confidence: 0.922151615

00:21:49.474 --> 00:21:51.610 in breast tumor metastasis.

NOTE Confidence: 0.922151615

00:21:51.610 --> 00:21:53.381 But there's there's a lot of other

NOTE Confidence: 0.922151615

00:21:53.381 --> 00:21:55.109 research that's come out of that program.

NOTE Confidence: 0.922151615

00:21:55.110 --> 00:21:57.603 If we go to the next slide just a

NOTE Confidence: 0.922151615

00:21:57.603 --> 00:22:00.187 couple more of the NIH actually runs a

NOTE Confidence: 0.922151615

00:22:00.187 --> 00:22:02.738 program out of their clinical center.

NOTE Confidence: 0.922151615

00:22:02.740 --> 00:22:04.805 And this you know again they have.

NOTE Confidence: 0.922151615

00:22:04.810 --> 00:22:06.566 They had excellent records.

NOTE Confidence: 0.922151615

00:22:06.566 --> 00:22:09.713 This was a really exceptional case study

NOTE Confidence: 0.922151615

00:22:09.713 --> 00:22:12.347 and that they had tissue collected

NOTE Confidence: 0.922151615

00:22:12.347 --> 00:22:14.799 surgically during the patient's life,

NOTE Confidence: 0.922151615

00:22:14.800 --> 00:22:16.630 both of primary tumor and

NOTE Confidence: 0.922151615

00:22:16.630 --> 00:22:18.094 of lymph node metastasis.

NOTE Confidence: 0.922151615

00:22:18.100 --> 00:22:20.356 But also then they had the rapid autopsy

NOTE Confidence: 0.922151615

00:22:20.356 --> 00:22:22.540 at the end of the patient's life,

NOTE Confidence: 0.922151615

00:22:22.540 --> 00:22:24.665 which you know together comprise

NOTE Confidence: 0.922151615

00:22:24.665 --> 00:22:26.790 just a tremendously valuable data

NOTE Confidence: 0.905083313636364

00:22:26.862 --> 00:22:28.244 set. And finally the the

NOTE Confidence: 0.905083313636364

00:22:28.244 --> 00:22:30.334 live on New York. That's it.

NOTE Confidence: 0.905083313636364

00:22:30.334 --> 00:22:32.708 That's actually a a transplant.

NOTE Confidence: 0.905083313636364

00:22:32.708 --> 00:22:35.028 Service and Columbia has partnered

NOTE Confidence: 0.905083313636364

00:22:35.028 --> 00:22:37.890 with the transplant service to sort

NOTE Confidence: 0.905083313636364

00:22:37.890 --> 00:22:39.730 of simultaneously perform warm

NOTE Confidence: 0.905083313636364

00:22:39.730 --> 00:22:41.570 autopsy on consented patients,

NOTE Confidence: 0.905083313636364

00:22:41.570 --> 00:22:43.850 and that's enabled them to do all kinds

NOTE Confidence: 0.905083313636364

00:22:43.850 --> 00:22:46.409 of really innovative immunological studies.

NOTE Confidence: 0.905083313636364

00:22:46.410 --> 00:22:48.288 And this is just one example,

NOTE Confidence: 0.905083313636364

00:22:48.290 --> 00:22:50.050 looking at natural killer

NOTE Confidence: 0.905083313636364

00:22:50.050 --> 00:22:52.234 cell interactions and in their

NOTE Confidence: 0.905083313636364

00:22:52.234 --> 00:22:53.978 development in different tissues.

NOTE Confidence: 0.91323373

00:22:56.000 --> 00:22:57.980 So just quickly to go through

NOTE Confidence: 0.91323373

00:22:57.980 --> 00:23:00.099 some of the programs that exist.

NOTE Confidence: 0.91323373

00:23:00.100 --> 00:23:02.298 There's this is not a complete list,

NOTE Confidence: 0.91323373

00:23:02.300 --> 00:23:03.328 but there's somewhere I

NOTE Confidence: 0.91323373

00:23:03.328 --> 00:23:04.356 think between you know,

NOTE Confidence: 0.91323373

00:23:04.360 --> 00:23:06.138 a dozen and 15 of these programs,

NOTE Confidence: 0.91323373

00:23:06.140 --> 00:23:08.247 and I list them here in sort

NOTE Confidence: 0.91323373

00:23:08.247 --> 00:23:10.439 of order of proximity to us.

NOTE Confidence: 0.91323373

00:23:10.440 --> 00:23:12.504 And and I point out that what these

NOTE Confidence: 0.91323373

00:23:12.504 --> 00:23:14.279 programs all have in common is that

NOTE Confidence: 0.91323373

00:23:14.279 --> 00:23:16.460 they are in areas that are metropolitan,

NOTE Confidence: 0.91323373

00:23:16.460 --> 00:23:17.876 have large patient populations,

NOTE Confidence: 0.91323373

00:23:17.876 --> 00:23:20.000 and they're all based at academic

NOTE Confidence: 0.91323373

00:23:20.058 --> 00:23:22.018 hospitals with national reputations,

NOTE Confidence: 0.91323373

00:23:22.020 --> 00:23:24.279 and they all have a critical mass of NIH

NOTE Confidence: 0.91323373

00:23:24.279 --> 00:23:26.139 funded clinical research scientists.

NOTE Confidence: 0.91323373

00:23:26.140 --> 00:23:28.596 And I think we have all of those.

NOTE Confidence: 0.91323373

00:23:28.600 --> 00:23:29.896 All of those factors in place.

NOTE Confidence: 0.91323373

00:23:29.900 --> 00:23:32.474 And I think we are in a position to

NOTE Confidence: 0.91323373

00:23:32.474 --> 00:23:34.969 set up a successful program here.

NOTE Confidence: 0.91323373

00:23:34.970 --> 00:23:36.428 And I'll just turn that over

NOTE Confidence: 0.91323373

00:23:36.428 --> 00:23:37.600 to Marcelo to finish up.

NOTE Confidence: 0.760643895714286

00:23:37.810 --> 00:23:40.470 So finally, yeah, just just to summarize,

NOTE Confidence: 0.760643895714286

00:23:40.470 --> 00:23:44.106 you know the the the patients are offered an

NOTE Confidence: 0.760643895714286

00:23:44.106 --> 00:23:47.816 opportunity to to make a very meaningful.

NOTE Confidence: 0.760643895714286

00:23:47.820 --> 00:23:50.610 Contribution to medical research that really

NOTE Confidence: 0.760643895714286

00:23:50.610 --> 00:23:53.750 could not be replaced by anything else.

NOTE Confidence: 0.760643895714286

00:23:53.750 --> 00:23:56.726 This kind of program promotes transparency

NOTE Confidence: 0.760643895714286

00:23:56.730 --> 00:23:59.991 and preserves autonomy of the donor and

NOTE Confidence: 0.760643895714286

00:23:59.991 --> 00:24:03.679 really puts the the the donor at the

NOTE Confidence: 0.760643895714286

00:24:03.679 --> 00:24:07.671 center of of a very important line of

NOTE Confidence: 0.760643895714286

00:24:07.671 --> 00:24:11.108 research into their into their disease.

NOTE Confidence: 0.760643895714286

00:24:11.110 --> 00:24:12.106 Researchers I, you know,

NOTE Confidence: 0.760643895714286

00:24:12.106 --> 00:24:14.658 I spent a bunch of time on telling you

NOTE Confidence: 0.760643895714286

00:24:14.658 --> 00:24:16.662 about different factors and tissue quality.

NOTE Confidence: 0.760643895714286

00:24:16.670 --> 00:24:19.130 Essentially, that's the core good quality,

NOTE Confidence: 0.760643895714286

00:24:19.130 --> 00:24:23.180 good quality tissue that's well documented

NOTE Confidence: 0.760643895714286

00:24:23.180 --> 00:24:28.448 and and part of a sort of coordinated

NOTE Confidence: 0.760643895714286

00:24:28.450 --> 00:24:32.290 research team that includes the clinicians,

NOTE Confidence: 0.760643895714286

00:24:32.290 --> 00:24:34.985 the patient, the researcher and and the.

NOTE Confidence: 0.760643895714286

00:24:34.990 --> 00:24:36.438 The rapid autopsy program.

NOTE Confidence: 0.569879532166667

00:24:39.590 --> 00:24:42.128 So we I don't know Harry.

NOTE Confidence: 0.569879532166667

00:24:42.130 --> 00:24:43.578 Do you want to maybe take this one

NOTE Confidence: 0.7529682775

00:24:43.970 --> 00:24:46.522 so so in trying to put this together, we've?

NOTE Confidence: 0.7529682775

00:24:46.522 --> 00:24:49.178 We've looked for input from a bunch of

NOTE Confidence: 0.7529682775

00:24:49.178 --> 00:24:51.119 different sources and we've had long

NOTE Confidence: 0.7529682775

00:24:51.119 --> 00:24:53.746 talks with the the folks at MSK and

NOTE Confidence: 0.7529682775

00:24:53.746 --> 00:24:55.446 Johns Hopkins about their program,

NOTE Confidence: 0.7529682775

00:24:55.450 --> 00:24:57.772 and we've had some really great

NOTE Confidence: 0.7529682775

00:24:57.772 --> 00:24:59.872 conversations with the Yale Cancer

NOTE Confidence: 0.7529682775

00:24:59.872 --> 00:25:02.267 Centers patient and Family Advocacy

NOTE Confidence: 0.7529682775

00:25:02.267 --> 00:25:04.650 council and Community Advisory Board.

NOTE Confidence: 0.7529682775

00:25:04.650 --> 00:25:05.710 So we've had, you know,

NOTE Confidence: 0.7529682775

00:25:05.710 --> 00:25:09.538 patient input and sort of existing.

NOTE Confidence: 0.7529682775

00:25:09.540 --> 00:25:12.000 RAP input what we're looking for.

NOTE Confidence: 0.7529682775

00:25:12.000 --> 00:25:14.264 Hopefully today is the input of some of

NOTE Confidence: 0.7529682775

00:25:14.264 --> 00:25:16.588 our own clinical research community.

NOTE Confidence: 0.899056583333333

00:25:18.820 --> 00:25:20.675 And you know, we'd like to invite

NOTE Confidence: 0.899056583333333

00:25:20.675 --> 00:25:23.006 you to weigh in and ask questions

NOTE Confidence: 0.899056583333333

00:25:23.006 --> 00:25:24.478 and and hopefully participate.

NOTE Confidence: 0.899056583333333

00:25:24.480 --> 00:25:26.016 And and this is, you know,

NOTE Confidence: 0.899056583333333

00:25:26.020 --> 00:25:28.378 where we can reach where you can reach us.

NOTE Confidence: 0.899056583333333

00:25:28.380 --> 00:25:30.571 We have the beginnings of a website

NOTE Confidence: 0.899056583333333

00:25:30.571 --> 00:25:33.049 and and here our emails and be happy

NOTE Confidence: 0.899056583333333

00:25:33.049 --> 00:25:35.030 to take any questions you might have.

NOTE Confidence: 0.9515356

00:25:38.170 --> 00:25:40.810 That's great, thank you very much.

NOTE Confidence: 0.9515356

00:25:40.810 --> 00:25:44.738 Let's just see if there in the chat.

NOTE Confidence: 0.9515356

00:25:44.740 --> 00:25:48.547 So a question that was asked how do you

NOTE Confidence: 0.9515356

00:25:48.547 --> 00:25:52.216 recruit connect with patients and families?

NOTE Confidence: 0.9515356

00:25:52.220 --> 00:25:54.138 I know that body donation is a

NOTE Confidence: 0.9515356

00:25:54.138 --> 00:25:55.992 very meaningful gift and legacy for

NOTE Confidence: 0.9515356

00:25:55.992 --> 00:25:57.607 many patients and their families.

NOTE Confidence: 0.9515356

00:25:57.610 --> 00:25:59.302 How can frontline clinical

NOTE Confidence: 0.9515356

00:25:59.302 --> 00:26:01.417 colleagues help support your work?

NOTE Confidence: 0.9515356

00:26:01.420 --> 00:26:03.184 And I'll I'll just add to

NOTE Confidence: 0.9515356

00:26:03.184 --> 00:26:05.202 that a bit which is, you know,

NOTE Confidence: 0.9515356

00:26:05.202 --> 00:26:07.134 you talked about the fact that there

NOTE Confidence: 0.9515356

00:26:07.134 --> 00:26:09.906 was not a bank but that you would be

NOTE Confidence: 0.9515356

00:26:09.906 --> 00:26:11.458 essentially delivering tissue to a lab.

NOTE Confidence: 0.9515356

00:26:11.460 --> 00:26:14.439 I think it's often going to be a program.

NOTE Confidence: 0.9515356

00:26:14.440 --> 00:26:16.800 Or an individual clinician who

NOTE Confidence: 0.9515356

00:26:16.800 --> 00:26:18.688 can do the recruiting,

NOTE Confidence: 0.9515356

00:26:18.690 --> 00:26:22.290 and I don't think it's going to be

NOTE Confidence: 0.9515356

00:26:22.290 --> 00:26:26.345 a lab per se that that does that.

NOTE Confidence: 0.9515356

00:26:26.350 --> 00:26:28.198 Maybe your issues?

NOTE Confidence: 0.753246014

00:26:28.430 --> 00:26:29.830 Yeah, no, you're absolutely right.

NOTE Confidence: 0.753246014

00:26:29.830 --> 00:26:31.578 So the different hospitals

NOTE Confidence: 0.753246014

00:26:31.578 --> 00:26:32.889 use different models.

NOTE Confidence: 0.753246014

00:26:32.890 --> 00:26:36.330 So MSK, I think their program takes consent.

NOTE Confidence: 0.753246014

00:26:36.330 --> 00:26:38.580 Johns Hopkins, the clinicians take consent

NOTE Confidence: 0.753246014

00:26:38.580 --> 00:26:41.280 and the ideal situation is to have a

NOTE Confidence: 0.753246014

00:26:41.280 --> 00:26:42.984 clinician who is also doing research.

NOTE Confidence: 0.753246014

00:26:42.990 --> 00:26:44.286 But you're absolutely right.

NOTE Confidence: 0.753246014

00:26:44.286 --> 00:26:46.230 I think it's really the clinical

NOTE Confidence: 0.753246014

00:26:46.290 --> 00:26:47.860 the clinical carotene that has

NOTE Confidence: 0.753246014

00:26:47.860 --> 00:26:49.430 to approach the the patient,

NOTE Confidence: 0.753246014

00:26:49.430 --> 00:26:51.149 and they have a you know and and they

NOTE Confidence: 0.753246014

00:26:51.149 --> 00:26:52.554 have to identify people who they

NOTE Confidence: 0.753246014

00:26:52.554 --> 00:26:54.023 think you know might be interested

NOTE Confidence: 0.753246014

00:26:54.023 --> 00:26:55.547 and and might be willing to.

NOTE Confidence: 0.753246014

00:26:55.550 --> 00:26:56.850 To broach the subject.

NOTE Confidence: 0.876119231

00:27:00.970 --> 00:27:03.938 If a second question, if a patient

NOTE Confidence: 0.876119231

00:27:03.938 --> 00:27:07.215 dies at home, how is it that the

NOTE Confidence: 0.876119231

00:27:07.215 --> 00:27:09.220 the patients body reaches Yale?

NOTE Confidence: 0.73049185

00:27:11.410 --> 00:27:14.146 What in those cases what we have are?

NOTE Confidence: 0.73049185

00:27:14.150 --> 00:27:17.181 We have a contract with an area

NOTE Confidence: 0.73049185

00:27:17.181 --> 00:27:19.540 Funeral Home that has agreed,

NOTE Confidence: 0.73049185

00:27:19.540 --> 00:27:21.654 obviously for a fee, you know to

NOTE Confidence: 0.73049185

00:27:21.654 --> 00:27:24.070 make you know that transport to you.

NOTE Confidence: 0.889518894074074

00:27:27.150 --> 00:27:29.405 And finally, would you prioritize

NOTE Confidence: 0.889518894074074

00:27:29.405 --> 00:27:31.660 certain disease areas for for

NOTE Confidence: 0.889518894074074

00:27:31.739 --> 00:27:33.779 patient recruitment in the initial

NOTE Confidence: 0.889518894074074

00:27:33.779 --> 00:27:37.188 rollout or would be up to each and

NOTE Confidence: 0.889518894074074

00:27:37.188 --> 00:27:38.908 every clinical research group?

NOTE Confidence: 0.889518894074074

00:27:38.910 --> 00:27:42.240 And again, I'll add to that and say I

NOTE Confidence: 0.889518894074074

00:27:42.240 --> 00:27:45.236 think it would be really helpful if

NOTE Confidence: 0.889518894074074

00:27:45.236 --> 00:27:48.308 we could pilot this in a few areas.

NOTE Confidence: 0.889518894074074

00:27:48.310 --> 00:27:49.670 Getting those that you know,

NOTE Confidence: 0.889518894074074

00:27:49.670 --> 00:27:51.960 the clinic clinical people in

NOTE Confidence: 0.889518894074074

00:27:51.960 --> 00:27:54.250 those areas interested in invested.

NOTE Confidence: 0.889518894074074

00:27:54.250 --> 00:27:55.699 Do you have thoughts about that though?

NOTE Confidence: 0.720296693333333

00:27:56.190 --> 00:27:57.549 Yeah, more chill. Do you want to take that?

NOTE Confidence: 0.894028086666667

00:27:58.130 --> 00:28:00.794 Sure, so I think we have a lot

NOTE Confidence: 0.894028086666667

00:28:00.794 --> 00:28:02.730 of interest from neurology.

NOTE Confidence: 0.894028086666667

00:28:02.730 --> 00:28:04.710 Obviously, you know this is one

NOTE Confidence: 0.894028086666667

00:28:04.710 --> 00:28:06.926 of the main avenues for for

NOTE Confidence: 0.894028086666667

00:28:06.926 --> 00:28:08.570 central nervous system tissue,

NOTE Confidence: 0.894028086666667

00:28:08.570 --> 00:28:12.230 and so we we have a number of

NOTE Confidence: 0.894028086666667

00:28:12.230 --> 00:28:14.150 clinicians and research labs,

NOTE Confidence: 0.894028086666667

00:28:14.150 --> 00:28:18.128 sort of already sort of preparing,

NOTE Confidence: 0.894028086666667

00:28:18.130 --> 00:28:20.908 particularly in neurodegeneration,

NOTE Confidence: 0.894028086666667

00:28:20.910 --> 00:28:22.035 but also stroke.

NOTE Confidence: 0.894028086666667

00:28:22.035 --> 00:28:24.625 And I think we you know. Again,

NOTE Confidence: 0.894028086666667

00:28:24.625 --> 00:28:27.640 part of our purpose talking to to this group.

NOTE Confidence: 0.894028086666667

00:28:27.640 --> 00:28:29.164 Is we, you know,

NOTE Confidence: 0.894028086666667

00:28:29.164 --> 00:28:31.929 we think that the Cancer Center you

NOTE Confidence: 0.894028086666667

00:28:31.929 --> 00:28:34.708 know would be would be an excellent.

NOTE Confidence: 0.894028086666667

00:28:34.710 --> 00:28:37.356 Basically plays for us to connect,

NOTE Confidence: 0.894028086666667

00:28:37.360 --> 00:28:37.884 you know,

NOTE Confidence: 0.894028086666667

00:28:37.884 --> 00:28:39.718 with all the the the the research

NOTE Confidence: 0.894028086666667

00:28:39.718 --> 00:28:41.660 that's happening in the labs you know,

NOTE Confidence: 0.894028086666667

00:28:41.660 --> 00:28:43.140 run by Cancer Center,

NOTE Confidence: 0.894028086666667

00:28:43.140 --> 00:28:45.800 Pi and and the clinical teams here.

NOTE Confidence: 0.894028086666667

00:28:45.800 --> 00:28:48.272 So I I think essentially these two areas

NOTE Confidence: 0.894028086666667

00:28:48.272 --> 00:28:50.289 are probably our first two rollouts.

NOTE Confidence: 0.855734105714286

00:28:51.740 --> 00:28:55.468 I can tell you that our lead neuro

NOTE Confidence: 0.855734105714286

00:28:55.468 --> 00:28:57.751 oncologist has already jumped in

NOTE Confidence: 0.855734105714286

00:28:57.751 --> 00:29:01.350 to say that he is happy to pilot.

NOTE Confidence: 0.855734105714286

00:29:01.350 --> 00:29:03.039 Right, that's wonderful.

NOTE Confidence: 0.855734105714286

00:29:03.040 --> 00:29:06.080 Thank you, thank you Antonia.

NOTE Confidence: 0.855734105714286

00:29:06.080 --> 00:29:09.544 So with that I'll thank you and we'll

NOTE Confidence: 0.855734105714286

00:29:09.544 --> 00:29:13.599 move on to something entirely different.

NOTE Confidence: 0.855734105714286

00:29:13.600 --> 00:29:15.560 Monica, do you have a presentation yourself

NOTE Confidence: 0.855734105714286

00:29:15.560 --> 00:29:17.398 or you're going to use other people?

NOTE Confidence: 0.855734105714286

00:29:17.400 --> 00:29:22.026 You do OK, so we're going to hear 3

NOTE Confidence: 0.855734105714286

00:29:22.026 --> 00:29:24.559 presentations from Monica Fredkin

NOTE Confidence: 0.855734105714286

00:29:24.559 --> 00:29:28.597 and from Christina Matusek and from

NOTE Confidence: 0.855734105714286

00:29:28.597 --> 00:29:32.956 Mandeep Smith that will be presented

NOTE Confidence: 0.855734105714286

00:29:32.956 --> 00:29:37.510 at the Oncology Nursing Society and.

NOTE Confidence: 0.855734105714286

00:29:37.510 --> 00:29:40.036 With that I welcome them all.

NOTE Confidence: 0.83835739625

00:29:41.220 --> 00:29:42.768 Thank you Doctor Weiner.

NOTE Confidence: 0.83835739625

00:29:42.768 --> 00:29:45.090 I'm Monica Fredkin and I'm here

NOTE Confidence: 0.83835739625

00:29:45.162 --> 00:29:47.730 sharing a presentation that we did

NOTE Confidence: 0.83835739625

00:29:47.730 --> 00:29:49.899 in oncology Nursing Society Congress

NOTE Confidence: 0.83835739625

00:29:49.899 --> 00:29:52.488 last week and I'm going to spend

NOTE Confidence: 0.83835739625

00:29:52.488 --> 00:29:56.040 a few minutes talking about the

NOTE Confidence: 0.83835739625

00:29:56.040 --> 00:29:58.500 ambulatory oncology transformation,

NOTE Confidence: 0.83835739625

00:29:58.500 --> 00:29:59.766 specifically around one

NOTE Confidence: 0.83835739625

00:29:59.766 --> 00:30:01.876 working group and I'm here.

NOTE Confidence: 0.83835739625

00:30:01.880 --> 00:30:04.190 There were multiple people that were involved

NOTE Confidence: 0.83835739625

00:30:04.190 --> 00:30:06.796 in this work and Chang Jeremy Corbyn,

NOTE Confidence: 0.83835739625

00:30:06.796 --> 00:30:09.727 Mansky and Connie Angle King is a

NOTE Confidence: 0.83835739625

00:30:09.727 --> 00:30:11.490 consultant and then I will hand.

NOTE Confidence: 0.83835739625

00:30:11.490 --> 00:30:13.492 Give a high level of the work

NOTE Confidence: 0.83835739625

00:30:13.492 --> 00:30:15.577 that we've done, and then I'll.

NOTE Confidence: 0.83835739625

00:30:15.577 --> 00:30:17.622 Handed over to Christina Matusik

NOTE Confidence: 0.83835739625

00:30:17.622 --> 00:30:20.114 and Mandeep Smith were the leads of

NOTE Confidence: 0.83835739625

00:30:20.114 --> 00:30:22.409 one of the work groups that have

NOTE Confidence: 0.83835739625

00:30:22.410 --> 00:30:24.204 patient visit readiness to kind of

NOTE Confidence: 0.83835739625

00:30:24.204 --> 00:30:26.428 show how we took this ambulatory work

NOTE Confidence: 0.83835739625

00:30:26.428 --> 00:30:28.682 and and put it into real practice.

NOTE Confidence: 0.83835739625

00:30:28.690 --> 00:30:29.992 So with that,

NOTE Confidence: 0.83835739625

00:30:29.992 --> 00:30:34.549 how did we get started at all this work and.

NOTE Confidence: 0.83835739625

00:30:34.550 --> 00:30:37.925 Back in March of 2020 and April of 2020,

NOTE Confidence: 0.83835739625

00:30:37.930 --> 00:30:41.718 we really had to.

NOTE Confidence: 0.83835739625

00:30:41.720 --> 00:30:43.740 Change everything we did about

NOTE Confidence: 0.83835739625

00:30:43.740 --> 00:30:45.760 how we provided ambulatory care.

NOTE Confidence: 0.83835739625

00:30:45.760 --> 00:30:47.131 We consolidated clinics.

NOTE Confidence: 0.83835739625

00:30:47.131 --> 00:30:50.897 We moved all of the New Haven teams

NOTE Confidence: 0.83835739625

00:30:50.897 --> 00:30:53.741 and clinics out to the network

NOTE Confidence: 0.83835739625

00:30:53.741 --> 00:30:55.163 to different sites.

NOTE Confidence: 0.83835739625

00:30:55.170 --> 00:30:58.086 To provide additional capacity for inpatient,

NOTE Confidence: 0.83835739625

00:30:58.090 --> 00:31:01.450 and with that what we learned is that.

NOTE Confidence: 0.83835739625

00:31:01.450 --> 00:31:03.349 While we had, we were forced to do this.

NOTE Confidence: 0.83835739625

00:31:03.350 --> 00:31:05.456 There was an opportunity to relook

NOTE Confidence: 0.83835739625

00:31:05.456 --> 00:31:07.989 at how we provided ambulatory care,

NOTE Confidence: 0.83835739625

00:31:07.990 --> 00:31:10.210 and so we Kim's luster,

NOTE Confidence: 0.83835739625

00:31:10.210 --> 00:31:15.300 Lori Pickens, Kevin Billingsley.

NOTE Confidence: 0.83835739625

00:31:15.300 --> 00:31:16.392 At the time said,

NOTE Confidence: 0.83835739625

00:31:16.392 --> 00:31:19.063 how can we create a new normal and make

NOTE Confidence: 0.83835739625

00:31:19.063 --> 00:31:22.039 one smile and really make this a two point?

NOTE Confidence: 0.83835739625

00:31:22.040 --> 00:31:22.748 You know,

NOTE Confidence: 0.83835739625

00:31:22.748 --> 00:31:23.456 version 2.0,

NOTE Confidence: 0.83835739625

00:31:23.456 --> 00:31:25.226 so there was an ambulatory

NOTE Confidence: 0.83835739625

00:31:25.226 --> 00:31:26.554 transformation steering group that

NOTE Confidence: 0.83835739625

00:31:26.554 --> 00:31:28.682 was started and it really looked at

NOTE Confidence: 0.83835739625

00:31:28.745 --> 00:31:30.737 the ambulatory flows from before the

NOTE Confidence: 0.83835739625

00:31:30.737 --> 00:31:32.608 patient arrived all the way through.

NOTE Confidence: 0.83835739625

00:31:32.608 --> 00:31:34.491 So when they left and there was

NOTE Confidence: 0.83835739625

00:31:34.491 --> 00:31:36.416 a steering committee and within

NOTE Confidence: 0.83835739625

00:31:36.416 --> 00:31:38.008 that steering committee there

NOTE Confidence: 0.83835739625

00:31:38.008 --> 00:31:40.040 were six different subgroups.

NOTE Confidence: 0.83835739625

00:31:40.040 --> 00:31:43.802 The subgroups were around facility and

NOTE Confidence: 0.83835739625

00:31:43.802 --> 00:31:46.310 environment patient access technology.

NOTE Confidence: 0.83835739625

00:31:46.310 --> 00:31:48.110 Staff and staffing and then communication

NOTE Confidence: 0.83835739625

00:31:48.110 --> 00:31:50.584 and the final one in Orange is really

NOTE Confidence: 0.83835739625

00:31:50.584 --> 00:31:52.109 the care delivery workflow subgroup

NOTE Confidence: 0.83835739625

00:31:52.109 --> 00:31:54.141 that we're going to talk a little bit

NOTE Confidence: 0.83835739625

00:31:54.141 --> 00:31:56.164 about today to share what we've done,

NOTE Confidence: 0.83835739625

00:31:56.164 --> 00:31:58.440 but each one of these groups are,

NOTE Confidence: 0.83835739625

00:31:58.440 --> 00:31:59.448 as you know,

NOTE Confidence: 0.83835739625

00:31:59.448 --> 00:32:00.456 we're all interconnected.

NOTE Confidence: 0.83835739625

00:32:00.460 --> 00:32:05.788 So how we do this really had to be done,

NOTE Confidence: 0.83835739625

00:32:05.788 --> 00:32:07.684 thoughtful and coordinated.

NOTE Confidence: 0.83835739625

00:32:07.690 --> 00:32:10.354 So the approach to this is that we had

NOTE Confidence: 0.83835739625

00:32:10.354 --> 00:32:13.358 to do have a multiple steps in order

NOTE Confidence: 0.83835739625

00:32:13.358 --> 00:32:15.569 to even understand where we were,

NOTE Confidence: 0.83835739625

00:32:15.570 --> 00:32:16.914 and I'm going to go into the

NOTE Confidence: 0.83835739625

00:32:16.914 --> 00:32:18.368 detail of the elements on this

NOTE Confidence: 0.83835739625

00:32:18.368 --> 00:32:19.468 slide into future slides,

NOTE Confidence: 0.83835739625

00:32:19.470 --> 00:32:21.550 but we had a a five step process

NOTE Confidence: 0.83835739625

00:32:21.550 --> 00:32:23.838 on what how we approached this work

NOTE Confidence: 0.83835739625

00:32:23.838 --> 00:32:26.244 and the first thing that we had to

NOTE Confidence: 0.83835739625

00:32:26.244 --> 00:32:27.995 do is we had to kind of understand

NOTE Confidence: 0.83835739625

00:32:27.995 --> 00:32:29.710 we had to understand where we were,

NOTE Confidence: 0.83835739625

00:32:29.710 --> 00:32:31.390 what was our current state,

NOTE Confidence: 0.83835739625

00:32:31.390 --> 00:32:33.532 and in order to do this and we wanted

NOTE Confidence: 0.83835739625

00:32:33.532 --> 00:32:35.436 to make sure that we represented

NOTE Confidence: 0.83835739625

00:32:35.436 --> 00:32:37.760 all the areas across the ambulatory.

NOTE Confidence: 0.83835739625

00:32:37.760 --> 00:32:40.784 Enterprise, so a key survey was created.

NOTE Confidence: 0.83835739625

00:32:40.790 --> 00:32:43.038 We obtained information around

NOTE Confidence: 0.83835739625

00:32:43.038 --> 00:32:45.912 role where people worked as well

NOTE Confidence: 0.83835739625

00:32:45.912 --> 00:32:47.467 as what team they were.

NOTE Confidence: 0.83835739625

00:32:47.470 --> 00:32:49.420 They were aligned with and

NOTE Confidence: 0.83835739625

00:32:49.420 --> 00:32:51.370 there was a structured and

NOTE Confidence: 0.898520772352941

00:32:51.450 --> 00:32:53.710 unstructured questions we we wanted

NOTE Confidence: 0.898520772352941

00:32:53.710 --> 00:32:56.468 to know open comments which provided

NOTE Confidence: 0.898520772352941

00:32:56.468 --> 00:32:58.778 a significant amount of information

NOTE Confidence: 0.898520772352941

00:32:58.778 --> 00:33:01.360 and when you think about analyzing and

NOTE Confidence: 0.898520772352941

00:33:01.360 --> 00:33:04.062 aggregating the data we had, you know,

NOTE Confidence: 0.898520772352941

00:33:04.062 --> 00:33:06.006 open-ended questions can provide,

NOTE Confidence: 0.898520772352941

00:33:06.010 --> 00:33:07.870 you know a whole level.

NOTE Confidence: 0.898520772352941

00:33:07.870 --> 00:33:10.380 Of analysis that was created.

NOTE Confidence: 0.898520772352941

00:33:10.380 --> 00:33:12.864 The workflows that were not included

NOTE Confidence: 0.898520772352941

00:33:12.864 --> 00:33:15.857 because they were part of other working

NOTE Confidence: 0.898520772352941

00:33:15.857 --> 00:33:18.383 groups was the supportive care services

NOTE Confidence: 0.898520772352941

00:33:18.383 --> 00:33:21.272 and the access Access call management and

NOTE Confidence: 0.898520772352941

00:33:21.272 --> 00:33:25.040 intake was all part of other working groups.

NOTE Confidence: 0.898520772352941

00:33:25.040 --> 00:33:28.358 So we really focused on the

NOTE Confidence: 0.898520772352941

00:33:28.358 --> 00:33:30.570 clinical flow of patients.

NOTE Confidence: 0.898520772352941

00:33:30.570 --> 00:33:34.026 The survey had was open for eight days.

NOTE Confidence: 0.898520772352941

00:33:34.030 --> 00:33:37.366 We had almost 200 people respond,

NOTE Confidence: 0.898520772352941

00:33:37.370 --> 00:33:39.758 which shows that there was a

NOTE Confidence: 0.898520772352941

00:33:39.758 --> 00:33:41.350 real opportunity and engagement.

NOTE Confidence: 0.898520772352941

00:33:41.350 --> 00:33:44.758 From all different roles and disciplines.

NOTE Confidence: 0.898520772352941

00:33:44.760 --> 00:33:50.610 So we had a nice mix of responses,

NOTE Confidence: 0.898520772352941

00:33:50.610 --> 00:33:52.170 26% from physicians,

NOTE Confidence: 0.898520772352941

00:33:52.170 --> 00:33:54.998 32% from nursing, but we had pharmacy.

NOTE Confidence: 0.898520772352941

00:33:54.998 --> 00:33:55.949 We had lab.

NOTE Confidence: 0.898520772352941

00:33:55.950 --> 00:33:58.616 We had access staff research, everyone.

NOTE Confidence: 0.898520772352941

00:33:58.616 --> 00:34:01.544 We had multiple people that you know roles

NOTE Confidence: 0.898520772352941

00:34:01.544 --> 00:34:04.350 that completed this as well as modalities.

NOTE Confidence: 0.898520772352941

00:34:04.350 --> 00:34:06.210 So 2/3 were medical oncology,

NOTE Confidence: 0.898520772352941

00:34:06.210 --> 00:34:08.986 but we had a nice representation of radiation

NOTE Confidence: 0.898520772352941

00:34:08.990 --> 00:34:11.996 oncology as well as surgical oncology.

NOTE Confidence: 0.898520772352941

00:34:12.000 --> 00:34:14.328 And what's not on here is that we

NOTE Confidence: 0.898520772352941

00:34:14.328 --> 00:34:16.902 had a 5050 split of new like the

NOTE Confidence: 0.898520772352941

00:34:16.902 --> 00:34:19.180 New Haven teams and the network.

NOTE Confidence: 0.898520772352941

00:34:19.180 --> 00:34:22.505 So we really did get a great

NOTE Confidence: 0.898520772352941

00:34:22.505 --> 00:34:23.991 representation of the information

NOTE Confidence: 0.898520772352941

00:34:23.991 --> 00:34:25.676 that we were looking for.

NOTE Confidence: 0.898520772352941

00:34:25.680 --> 00:34:26.780 So once we took that,

NOTE Confidence: 0.898520772352941

00:34:26.780 --> 00:34:29.209 we spent a tremendous amount of time

NOTE Confidence: 0.898520772352941

00:34:29.209 --> 00:34:30.819 aggregating and analyzing the data.

NOTE Confidence: 0.898520772352941

00:34:30.820 --> 00:34:34.350 But there were ten common.

NOTE Confidence: 0.898520772352941

00:34:34.350 --> 00:34:36.780 Workflows that came up as the

NOTE Confidence: 0.898520772352941

00:34:36.780 --> 00:34:38.400 opportunities for improvement and

NOTE Confidence: 0.898520772352941

00:34:38.470 --> 00:34:40.954 what a group of us did is there we

NOTE Confidence: 0.898520772352941

00:34:40.954 --> 00:34:42.972 priority ranked them and there were

NOTE Confidence: 0.898520772352941

00:34:42.972 --> 00:34:45.734 about 70 plus people that that were

NOTE Confidence: 0.898520772352941

00:34:45.734 --> 00:34:48.986 involved in this and the priority

NOTE Confidence: 0.898520772352941

00:34:48.986 --> 00:34:51.303 rank also needed to intersect

NOTE Confidence: 0.898520772352941

00:34:51.303 --> 00:34:53.358 with the different working groups

NOTE Confidence: 0.898520772352941

00:34:53.358 --> 00:34:55.550 that were also functioning so.

NOTE Confidence: 0.898520772352941

00:34:55.550 --> 00:34:55.866 Well,

NOTE Confidence: 0.898520772352941

00:34:55.866 --> 00:34:58.710 this is a high level of the 10 different

NOTE Confidence: 0.898520772352941

00:34:58.787 --> 00:35:01.580 groups we we had to create different

NOTE Confidence: 0.898520772352941

00:35:01.580 --> 00:35:04.159 subgroups within that within those teams.

NOTE Confidence: 0.898520772352941

00:35:04.160 --> 00:35:06.525 So there were three different

NOTE Confidence: 0.898520772352941

00:35:06.525 --> 00:35:09.380 COVID related projects and we we

NOTE Confidence: 0.898520772352941

00:35:09.380 --> 00:35:11.786 deployed them to the COVID team.

NOTE Confidence: 0.898520772352941

00:35:11.790 --> 00:35:14.394 There was a working group already that

NOTE Confidence: 0.898520772352941

00:35:14.394 --> 00:35:17.266 was in place that could handle and

NOTE Confidence: 0.898520772352941

00:35:17.266 --> 00:35:20.318 manage those those groups but the non

NOTE Confidence: 0.898520772352941

00:35:20.318 --> 00:35:22.572 COVID related really fell into four

NOTE Confidence: 0.898520772352941

00:35:22.572 --> 00:35:24.490 different buckets that you can see here.

NOTE Confidence: 0.898520772352941

00:35:24.490 --> 00:35:26.640 We had more than 70.

NOTE Confidence: 0.898520772352941

00:35:26.640 --> 00:35:27.095 Participants,

NOTE Confidence: 0.898520772352941

00:35:27.095 --> 00:35:27.550 physicians,

NOTE Confidence: 0.898520772352941

00:35:27.550 --> 00:35:30.280 and staff of all different roles,

NOTE Confidence: 0.898520772352941

00:35:30.280 --> 00:35:33.424 as well as sites that were represented in

NOTE Confidence: 0.898520772352941

00:35:33.424 --> 00:35:36.868 these different groups and for clinic flow.

NOTE Confidence: 0.898520772352941

00:35:36.868 --> 00:35:39.972 We had three different working groups

NOTE Confidence: 0.898520772352941

00:35:39.972 --> 00:35:42.768 that are still actively working and

NOTE Confidence: 0.898520772352941

00:35:42.768 --> 00:35:45.480 meeting and right now visit type

NOTE Confidence: 0.898520772352941

00:35:45.480 --> 00:35:48.150 criteria was a proactive approach on

NOTE Confidence: 0.898520772352941

00:35:48.232 --> 00:35:51.322 how we could identify patients that

NOTE Confidence: 0.898520772352941

00:35:51.322 --> 00:35:54.015 would be televisit appropriate that

NOTE Confidence: 0.898520772352941

00:35:54.015 --> 00:35:56.750 would help minimize switching visits.

NOTE Confidence: 0.898520772352941

00:35:56.750 --> 00:35:59.426 Last minute and being able to

NOTE Confidence: 0.898520772352941

00:35:59.426 --> 00:36:01.210 designate those visit types.

NOTE Confidence: 0.898520772352941

00:36:01.210 --> 00:36:03.850 The patient visit readiness which

NOTE Confidence: 0.898520772352941

00:36:03.850 --> 00:36:06.490 Mandeep and Christina will talk

NOTE Confidence: 0.898520772352941

00:36:06.573 --> 00:36:09.447 about is really also about the

NOTE Confidence: 0.898520772352941

00:36:09.447 --> 00:36:11.909 patient and physician having the

NOTE Confidence: 0.898520772352941

00:36:11.909 --> 00:36:14.635 optimal visit and what can be done

NOTE Confidence: 0.898520772352941

00:36:14.635 --> 00:36:16.987 beforehand and after to ensure that

NOTE Confidence: 0.898520772352941

00:36:16.987 --> 00:36:19.327 those patients experience that visit

NOTE Confidence: 0.898520772352941

00:36:19.327 --> 00:36:22.548 and the checkout process is also an

NOTE Confidence: 0.898520772352941

00:36:22.548 --> 00:36:24.673 active working group around that

NOTE Confidence: 0.898520772352941

00:36:24.673 --> 00:36:26.974 communication of what needs to be

NOTE Confidence: 0.898520772352941

00:36:26.974 --> 00:36:29.140 done following the visit to ensure

NOTE Confidence: 0.933742287857143

00:36:29.215 --> 00:36:31.267 that things are communicated.

NOTE Confidence: 0.933742287857143

00:36:31.270 --> 00:36:33.154 And followed through on

NOTE Confidence: 0.933742287857143

00:36:33.154 --> 00:36:34.567 whether it's referrals,

NOTE Confidence: 0.933742287857143

00:36:34.570 --> 00:36:36.225 orders and imaging that have

NOTE Confidence: 0.933742287857143

00:36:36.225 --> 00:36:38.450 to be done or next visits.

NOTE Confidence: 0.933742287857143

00:36:38.450 --> 00:36:40.628 Infusion flow was really around labs

NOTE Confidence: 0.933742287857143

00:36:40.628 --> 00:36:42.930 and advanced release of chemotherapy,

NOTE Confidence: 0.933742287857143

00:36:42.930 --> 00:36:45.930 but at the same time there has been

NOTE Confidence: 0.933742287857143

00:36:45.930 --> 00:36:47.979 an initiative that we're implementing

NOTE Confidence: 0.933742287857143

00:36:47.979 --> 00:36:50.673 lean toss across the the ambulatory

NOTE Confidence: 0.933742287857143

00:36:50.673 --> 00:36:52.609 areas where infusion is done.

NOTE Confidence: 0.933742287857143

00:36:52.610 --> 00:36:54.554 So we are working on lean

NOTE Confidence: 0.933742287857143

00:36:54.554 --> 00:36:56.418 tasks right now and then.

NOTE Confidence: 0.933742287857143

00:36:56.418 --> 00:36:58.638 Patient education was really around.

NOTE Confidence: 0.933742287857143

00:36:58.640 --> 00:37:01.720 How can we utilize and leverage technology

NOTE Confidence: 0.933742287857143

00:37:01.720 --> 00:37:04.629 to provide patient and family education,

NOTE Confidence: 0.933742287857143

00:37:04.630 --> 00:37:06.952 especially when there's limited patients and

NOTE Confidence: 0.933742287857143

00:37:06.952 --> 00:37:09.590 family members that are allowed in clinic?

NOTE Confidence: 0.933742287857143

00:37:09.590 --> 00:37:11.529 That there's a way to do this

NOTE Confidence: 0.933742287857143

00:37:11.530 --> 00:37:13.469 in this more of a a video,

NOTE Confidence: 0.933742287857143

00:37:13.470 --> 00:37:15.114 you know telehealth forum

NOTE Confidence: 0.933742287857143

00:37:15.114 --> 00:37:17.169 and then imaging is really.

NOTE Confidence: 0.933742287857143

00:37:17.170 --> 00:37:20.040 We've heard a lot about access challenges

NOTE Confidence: 0.933742287857143

00:37:20.040 --> 00:37:22.395 for scheduling and how can we work

NOTE Confidence: 0.933742287857143

00:37:22.395 --> 00:37:24.220 together across the discipline with

NOTE Confidence: 0.933742287857143

00:37:24.220 --> 00:37:26.310 imaging to get patients scheduled,

NOTE Confidence: 0.933742287857143

00:37:26.310 --> 00:37:28.234 timely and appropriately at

NOTE Confidence: 0.933742287857143

00:37:28.234 --> 00:37:29.677 the right location.

NOTE Confidence: 0.902768823636364

00:37:31.700 --> 00:37:33.932 So while there are a lot of moving parts

NOTE Confidence: 0.902768823636364

00:37:33.932 --> 00:37:35.966 at all, these different working teams,

NOTE Confidence: 0.902768823636364

00:37:35.966 --> 00:37:39.008 we had a a template of how we

NOTE Confidence: 0.902768823636364

00:37:39.008 --> 00:37:41.180 would move forward with this work.

NOTE Confidence: 0.902768823636364

00:37:41.180 --> 00:37:43.628 First we needed to understand workflows

NOTE Confidence: 0.902768823636364

00:37:43.628 --> 00:37:46.969 we needed to do observations and did

NOTE Confidence: 0.902768823636364

00:37:46.969 --> 00:37:49.679 process mapping and really identifying

NOTE Confidence: 0.902768823636364

00:37:49.679 --> 00:37:52.480 barriers that could impact the flow.

NOTE Confidence: 0.902768823636364

00:37:52.480 --> 00:37:54.208 And then we had to just test it.

NOTE Confidence: 0.902768823636364

00:37:54.210 --> 00:37:56.665 And so we piloted we're

NOTE Confidence: 0.902768823636364

00:37:56.665 --> 00:37:58.138 piloting different initiatives.

NOTE Confidence: 0.902768823636364

00:37:58.140 --> 00:38:00.394 We had to be really selective.

NOTE Confidence: 0.902768823636364

00:38:00.394 --> 00:38:03.328 And how we determine the site, what teams?

NOTE Confidence: 0.902768823636364

00:38:03.328 --> 00:38:05.316 How are we going to measure this?

NOTE Confidence: 0.902768823636364

00:38:05.320 --> 00:38:07.920 Because the goal ultimately is that this is

NOTE Confidence: 0.902768823636364

00:38:07.920 --> 00:38:10.199 sustainable as we continue to move forward,

NOTE Confidence: 0.902768823636364

00:38:10.200 --> 00:38:12.657 and what adjustments we had to make.

NOTE Confidence: 0.902768823636364

00:38:12.660 --> 00:38:15.498 You know, using rapid change cycles

NOTE Confidence: 0.902768823636364

00:38:15.500 --> 00:38:17.620 and finally the goal is that once these

NOTE Confidence: 0.902768823636364

00:38:17.620 --> 00:38:19.833 pilots are really done, is that this?

NOTE Confidence: 0.902768823636364

00:38:19.833 --> 00:38:21.819 We get this out everywhere we

NOTE Confidence: 0.902768823636364

00:38:21.819 --> 00:38:24.018 want to be able to utilize our.

NOTE Confidence: 0.902768823636364

00:38:24.020 --> 00:38:26.255 You know, these efficiencies and

NOTE Confidence: 0.902768823636364

00:38:26.255 --> 00:38:28.790 opportunities to really go across

NOTE Confidence: 0.902768823636364

00:38:28.790 --> 00:38:33.260 which will enhance the smilow. 2.0.

NOTE Confidence: 0.902768823636364

00:38:33.260 --> 00:38:35.038 And so this is just to understand

NOTE Confidence: 0.902768823636364

00:38:35.038 --> 00:38:36.140 there were multiple tools.

NOTE Confidence: 0.902768823636364

00:38:36.140 --> 00:38:36.881 As I said,

NOTE Confidence: 0.902768823636364

00:38:36.881 --> 00:38:39.300 we want to be able to sustain this work.

NOTE Confidence: 0.902768823636364

00:38:39.300 --> 00:38:41.320 So we created within EPIC.

NOTE Confidence: 0.902768823636364

00:38:41.320 --> 00:38:43.995 There are tools we created

NOTE Confidence: 0.902768823636364

00:38:43.995 --> 00:38:45.600 standard operating procedures.

NOTE Confidence: 0.902768823636364

00:38:45.600 --> 00:38:47.992 We looked at the literature of what is

NOTE Confidence: 0.902768823636364

00:38:47.992 --> 00:38:50.520 said that on the work that we're doing

NOTE Confidence: 0.902768823636364

00:38:50.520 --> 00:38:52.691 to validate that what we are doing

NOTE Confidence: 0.902768823636364

00:38:52.691 --> 00:38:55.112 makes you know is is aligned with what

NOTE Confidence: 0.902768823636364

00:38:55.112 --> 00:38:58.011 else is happening out around the country.

NOTE Confidence: 0.902768823636364

00:38:58.011 --> 00:39:01.464 We graded metric based reports so we could

NOTE Confidence: 0.902768823636364

00:39:01.464 --> 00:39:04.206 share data so that people understand.

NOTE Confidence: 0.902768823636364

00:39:04.210 --> 00:39:05.905 How they're doing and where

NOTE Confidence: 0.902768823636364

00:39:05.905 --> 00:39:07.261 their opportunities are and

NOTE Confidence: 0.902768823636364

00:39:07.261 --> 00:39:09.069 to celebrate the successes,

NOTE Confidence: 0.902768823636364

00:39:09.070 --> 00:39:09.818 and finally,

NOTE Confidence: 0.902768823636364

00:39:09.818 --> 00:39:12.436 tell ASCO came out with some telehealth

NOTE Confidence: 0.902768823636364

00:39:12.436 --> 00:39:14.428 standards at the same time we were

NOTE Confidence: 0.902768823636364

00:39:14.428 --> 00:39:16.472 doing this work to ensure that we

NOTE Confidence: 0.902768823636364

00:39:16.472 --> 00:39:18.356 were doing the work that aligned

NOTE Confidence: 0.902768823636364

00:39:18.356 --> 00:39:20.660 with the with the ASCO standards.

NOTE Confidence: 0.902768823636364

00:39:20.660 --> 00:39:23.180 So these are the high level work that

NOTE Confidence: 0.902768823636364

00:39:23.180 --> 00:39:25.112 was happening and now what I'd like

NOTE Confidence: 0.902768823636364

00:39:25.112 --> 00:39:27.359 to do is switch it over to Christina

NOTE Confidence: 0.902768823636364

00:39:27.359 --> 00:39:30.156 and Mandeep to share how the work of

NOTE Confidence: 0.902768823636364

00:39:30.156 --> 00:39:33.086 the patient Visit Readiness project

NOTE Confidence: 0.902768823636364

00:39:33.090 --> 00:39:35.827 you know has taken the the framework

NOTE Confidence: 0.902768823636364

00:39:35.827 --> 00:39:39.210 of what I have shared into a pilot.

NOTE Confidence: 0.902768823636364

00:39:39.210 --> 00:39:40.218 Christina and Mandeep.

NOTE Confidence: 0.77670228

00:39:41.700 --> 00:39:45.137 Thanks Monica. So as Monica alluded to,

NOTE Confidence: 0.77670228

00:39:45.140 --> 00:39:47.215 our project was really on

NOTE Confidence: 0.77670228

00:39:47.215 --> 00:39:48.832 patient visit readiness long.

NOTE Confidence: 0.77670228

00:39:48.832 --> 00:39:50.320 The next five years,

NOTE Confidence: 0.77670228

00:39:50.320 --> 00:39:52.175 which has been showing that

NOTE Confidence: 0.77670228

00:39:52.175 --> 00:39:54.159 in this really patient visit,

NOTE Confidence: 0.77670228

00:39:54.159 --> 00:39:56.224 readiness is essential and it's

NOTE Confidence: 0.77670228

00:39:56.224 --> 00:39:58.187 an essential component of patient

NOTE Confidence: 0.77670228

00:39:58.187 --> 00:40:00.317 safety as well as clinic flow.

NOTE Confidence: 0.77670228

00:40:00.320 --> 00:40:02.128 In our ambulatory setting.

NOTE Confidence: 0.77670228

00:40:02.128 --> 00:40:04.840 So this included basically just making

NOTE Confidence: 0.77670228

00:40:04.919 --> 00:40:07.747 sure that your patients that were coming

NOTE Confidence: 0.77670228

00:40:07.747 --> 00:40:09.856 in were completed all the prep that

NOTE Confidence: 0.77670228

00:40:09.856 --> 00:40:11.770 was done ahead of time was completed.

NOTE Confidence: 0.77670228

00:40:11.770 --> 00:40:14.420 The next appointment you know

NOTE Confidence: 0.77670228

00:40:14.420 --> 00:40:16.540 disposition was actually completed

NOTE Confidence: 0.77670228

00:40:16.540 --> 00:40:19.049 prior to the the current visit.

NOTE Confidence: 0.77670228

00:40:19.050 --> 00:40:21.550 That's coming up and making

NOTE Confidence: 0.77670228

00:40:21.550 --> 00:40:24.050 sure that any consults lab,

NOTE Confidence: 0.77670228

00:40:24.050 --> 00:40:26.336 any imaging or studying and studies

NOTE Confidence: 0.77670228

00:40:26.336 --> 00:40:27.860 or any prior authorizations

NOTE Confidence: 0.77670228

00:40:27.927 --> 00:40:29.442 that were required are being

NOTE Confidence: 0.77670228

00:40:29.442 --> 00:40:31.320 done ahead of time as well.

NOTE Confidence: 0.77670228

00:40:31.320 --> 00:40:34.978 So what we realized is that without the

NOTE Confidence: 0.77670228

00:40:34.978 --> 00:40:37.666 adequate preparation that was going on,

NOTE Confidence: 0.77670228

00:40:37.670 --> 00:40:39.678 there were significant delays

NOTE Confidence: 0.77670228

00:40:39.678 --> 00:40:41.686 within the clinic errors.

NOTE Confidence: 0.77670228

00:40:41.690 --> 00:40:43.442 Sometimes last minute cancellations

NOTE Confidence: 0.77670228

00:40:43.442 --> 00:40:47.480 for patients and an overall patient or

NOTE Confidence: 0.77670228

00:40:47.480 --> 00:40:50.130 provider satisfaction had decreased.

NOTE Confidence: 0.708353668

00:40:52.860 --> 00:40:54.780 And as Monica had mentioned,

NOTE Confidence: 0.708353668

00:40:54.780 --> 00:40:56.376 there was multiple surveys.

NOTE Confidence: 0.708353668

00:40:56.376 --> 00:40:58.371 There was survey questions that

NOTE Confidence: 0.708353668

00:40:58.371 --> 00:41:00.399 were congregated and reviewed,

NOTE Confidence: 0.708353668

00:41:00.400 --> 00:41:02.600 and within those visits,

NOTE Confidence: 0.708353668

00:41:02.600 --> 00:41:06.410 what we realized is that there was.

NOTE Confidence: 0.708353668

00:41:06.410 --> 00:41:08.094 Practices carried concerning Preclinic

NOTE Confidence: 0.708353668

00:41:08.094 --> 00:41:11.060 prep and post clinic wrap up found.

NOTE Confidence: 0.708353668

00:41:11.060 --> 00:41:12.472 There was multiple variations

NOTE Confidence: 0.708353668

00:41:12.472 --> 00:41:13.884 within our House system.

NOTE Confidence: 0.708353668

00:41:13.890 --> 00:41:16.725 As you can see in this slide,

NOTE Confidence: 0.708353668

00:41:16.730 --> 00:41:20.006 you see that about 80% of the team

NOTE Confidence: 0.708353668

00:41:20.006 --> 00:41:23.730 did some sort of prep before about.

NOTE Confidence: 0.708353668

00:41:23.730 --> 00:41:27.200 But only about half of them really had

NOTE Confidence: 0.708353668

00:41:27.200 --> 00:41:30.451 some form of guidelines to follow or

NOTE Confidence: 0.708353668

00:41:30.451 --> 00:41:33.577 best practices within the clinic prep.

NOTE Confidence: 0.708353668

00:41:33.580 --> 00:41:34.184 In addition,

NOTE Confidence: 0.708353668

00:41:34.184 --> 00:41:35.996 a vascular majority of teams were

NOTE Confidence: 0.708353668

00:41:35.996 --> 00:41:38.434 also not doing any sort of post clinic

NOTE Confidence: 0.708353668

00:41:38.434 --> 00:41:40.450 huddle and most patients patients were

NOTE Confidence: 0.708353668

00:41:40.450 --> 00:41:42.754 leaving without any follow up appointment.

NOTE Confidence: 0.708353668

00:41:42.760 --> 00:41:44.610 Uh.

NOTE Confidence: 0.708353668

00:41:44.610 --> 00:41:50.000 Which again brought concerns to the team.

NOTE Confidence: 0.708353668

00:41:50.000 --> 00:41:51.830 We also surveyed uh clinic prep

NOTE Confidence: 0.708353668

00:41:51.830 --> 00:41:53.474 activities and found that the

NOTE Confidence: 0.708353668

00:41:53.474 --> 00:41:55.224 majority of respondents 84% do

NOTE Confidence: 0.708353668

00:41:55.224 --> 00:41:57.216 review the schedule ahead of time.

NOTE Confidence: 0.708353668

00:41:57.220 --> 00:41:57.984 But again,

NOTE Confidence: 0.708353668

00:41:57.984 --> 00:42:00.658 half did not use any standardized criteria,

NOTE Confidence: 0.708353668

00:42:00.660 --> 00:42:01.182 and.

NOTE Confidence: 0.708353668

00:42:01.182 --> 00:42:02.226 In addition,

NOTE Confidence: 0.708353668

00:42:02.226 --> 00:42:06.820 about a third do not review test results.

NOTE Confidence: 0.708353668

00:42:06.820 --> 00:42:07.612 Of course,

NOTE Confidence: 0.708353668

00:42:07.612 --> 00:42:10.384 do not communicate or review missing orders.

NOTE Confidence: 0.708353668

00:42:10.390 --> 00:42:11.162 And lastly,

NOTE Confidence: 0.708353668

00:42:11.162 --> 00:42:13.478 less than half did not evaluate

NOTE Confidence: 0.708353668

00:42:13.478 --> 00:42:16.147 ahead of time which patients could

NOTE Confidence: 0.708353668

00:42:16.147 --> 00:42:18.417 benefit from a nursing visit.

NOTE Confidence: 0.708353668

00:42:18.420 --> 00:42:18.900 McLeod.

NOTE Confidence: 0.880807516666667

00:42:22.600 --> 00:42:26.158 So when doing a literature review,

NOTE Confidence: 0.880807516666667

00:42:26.160 --> 00:42:27.320 as Mike had mentioned,

NOTE Confidence: 0.880807516666667

00:42:27.320 --> 00:42:29.060 there was reviews being done and

NOTE Confidence: 0.880807516666667

00:42:29.116 --> 00:42:30.922 in it what we realized was that

NOTE Confidence: 0.880807516666667

00:42:30.922 --> 00:42:32.577 we're starting to work on this

NOTE Confidence: 0.880807516666667

00:42:32.577 --> 00:42:34.221 initiative and needed to really look

NOTE Confidence: 0.880807516666667

00:42:34.221 --> 00:42:38.450 at the ambulatory areas and see.

NOTE Confidence: 0.880807516666667

00:42:38.450 --> 00:42:41.034 You know what was happening in other areas,

NOTE Confidence: 0.880807516666667

00:42:41.040 --> 00:42:43.218 so a major article that we

NOTE Confidence: 0.880807516666667

00:42:43.218 --> 00:42:45.136 reviewed was published in 2021,

NOTE Confidence: 0.880807516666667

00:42:45.136 --> 00:42:47.466 which found that researchers were

NOTE Confidence: 0.880807516666667

00:42:47.466 --> 00:42:49.732 performing a systemic review about

NOTE Confidence: 0.880807516666667

00:42:49.732 --> 00:42:51.775 of 49 studies that ranged around

NOTE Confidence: 0.880807516666667

00:42:51.775 --> 00:42:53.550 10 countries and highlighted about

NOTE Confidence: 0.880807516666667

00:42:53.550 --> 00:42:55.044 8 previsit planning techniques

NOTE Confidence: 0.880807516666667

00:42:55.044 --> 00:42:56.488 that could be used.

NOTE Confidence: 0.880807516666667

00:42:56.490 --> 00:42:58.294 And with this review,

NOTE Confidence: 0.880807516666667

00:42:58.294 --> 00:43:00.549 it really suggested that prepare

NOTE Confidence: 0.880807516666667

00:43:00.549 --> 00:43:03.068 preparing for clinic can enhance the

NOTE Confidence: 0.880807516666667

00:43:03.068 --> 00:43:06.548 quality of patient care as well as

NOTE Confidence: 0.880807516666667

00:43:06.548 --> 00:43:08.600 patient to provider communication.

NOTE Confidence: 0.880807516666667

00:43:08.600 --> 00:43:12.092 And 84% of the authors reported

NOTE Confidence: 0.880807516666667

00:43:12.092 --> 00:43:13.838 that proactive visit.

NOTE Confidence: 0.880807516666667

00:43:13.840 --> 00:43:17.178 Patient preparedness was a

NOTE Confidence: 0.880807516666667

00:43:17.178 --> 00:43:18.773 really effective way to improve

NOTE Confidence: 0.880807516666667

00:43:18.773 --> 00:43:19.730 patient centered care.

NOTE Confidence: 0.85311443375

00:43:24.300 --> 00:43:27.340 So when looking at what we've talked about,

NOTE Confidence: 0.85311443375

00:43:27.340 --> 00:43:29.840 which is patient visit readiness,

NOTE Confidence: 0.85311443375

00:43:29.840 --> 00:43:31.235 what does this actually mean

NOTE Confidence: 0.85311443375

00:43:31.235 --> 00:43:32.860 and how do we achieve it?

NOTE Confidence: 0.85311443375

00:43:32.860 --> 00:43:34.320 We needed to define this,

NOTE Confidence: 0.85311443375

00:43:34.320 --> 00:43:37.060 so visit readiness really begins.

NOTE Confidence: 0.85311443375

00:43:37.060 --> 00:43:39.734 Your post clinic wrap up from the

NOTE Confidence: 0.85311443375

00:43:39.734 --> 00:43:42.718 prior visit as that will be outlined.

NOTE Confidence: 0.85311443375

00:43:42.720 --> 00:43:45.696 You know, with an RN or a scheduler,

NOTE Confidence: 0.85311443375

00:43:45.700 --> 00:43:47.812 at which time then you are looking at

NOTE Confidence: 0.85311443375

00:43:47.812 --> 00:43:49.707 your next visit and really reviewing

NOTE Confidence: 0.85311443375

00:43:49.707 --> 00:43:52.120 what what is required for those people.

NOTE Confidence: 0.85311443375

00:43:52.120 --> 00:43:53.808 Preclinic prep sounds obvious.

NOTE Confidence: 0.85311443375

00:43:53.808 --> 00:43:56.340 This is a proactive approach of

NOTE Confidence: 0.85311443375

00:43:56.412 --> 00:43:58.657 reviewing what the practice nurse

NOTE Confidence: 0.85311443375

00:43:58.660 --> 00:44:00.354 is looking at and all the elements

NOTE Confidence: 0.85311443375

00:44:00.354 --> 00:44:01.991 that need to be completed before

NOTE Confidence: 0.85311443375

00:44:01.991 --> 00:44:03.979 the patient comes in for the visit.

NOTE Confidence: 0.85311443375

00:44:03.980 --> 00:44:06.598 And how do we achieve all that?

NOTE Confidence: 0.85311443375

00:44:06.600 --> 00:44:09.954 It's through completion of your provider

NOTE Confidence: 0.85311443375

00:44:09.954 --> 00:44:12.735 disposition to guide the Previsit

NOTE Confidence: 0.85311443375

00:44:12.735 --> 00:44:16.383 prep as well as the the defined team

NOTE Confidence: 0.85311443375

00:44:16.383 --> 00:44:17.794 huddles to improve communication

NOTE Confidence: 0.85311443375

00:44:17.794 --> 00:44:20.359 for all the teams and then this can

NOTE Confidence: 0.85311443375

00:44:20.359 --> 00:44:22.298 all be done virtually or in person.

NOTE Confidence: 0.85311443375

00:44:22.300 --> 00:44:23.800 Weekly, daily or really,

NOTE Confidence: 0.85311443375

00:44:23.800 --> 00:44:25.675 whatever works for your team,

NOTE Confidence: 0.85311443375

00:44:25.680 --> 00:44:27.856 but it allowed you to have the what,

NOTE Confidence: 0.85311443375

00:44:27.860 --> 00:44:29.924 how and when of what patient was it?

NOTE Confidence: 0.85311443375

00:44:29.930 --> 00:44:32.879 Readiness looks like.

NOTE Confidence: 0.85311443375

00:44:32.880 --> 00:44:33.330 Next slide.

NOTE Confidence: 0.6570569

00:44:35.660 --> 00:44:37.820 So I have seen really just to fix the team.

NOTE Confidence: 0.6570569

00:44:37.820 --> 00:44:41.060 This is Doctor Kirkman's team and the post

NOTE Confidence: 0.6570569

00:44:41.060 --> 00:44:43.788 clinic cuddle that they run is usually

NOTE Confidence: 0.6570569

00:44:43.788 --> 00:44:46.942 done weekly on Friday and as you can

NOTE Confidence: 0.6570569

00:44:46.942 --> 00:44:51.099 see he did it in person with his team.

NOTE Confidence: 0.6570569

00:44:51.100 --> 00:44:53.132 This also act as a wrap up for

NOTE Confidence: 0.6570569

00:44:53.132 --> 00:44:54.777 the general elements that are

NOTE Confidence: 0.6570569

00:44:54.777 --> 00:44:56.557 being done within the clinic.

NOTE Confidence: 0.6570569

00:44:56.560 --> 00:44:58.975 What we found is that it engaged

NOTE Confidence: 0.6570569

00:44:58.980 --> 00:45:01.520 the staff and increased efficiency,

NOTE Confidence: 0.6570569

00:45:01.520 --> 00:45:03.134 communication and collaboration,

NOTE Confidence: 0.6570569

00:45:03.134 --> 00:45:06.900 and these huddles can really be customized

NOTE Confidence: 0.6570569

00:45:06.900 --> 00:45:09.844 to each team and what exactly you are

NOTE Confidence: 0.6570569

00:45:09.844 --> 00:45:11.802 requiring for your team. However,

NOTE Confidence: 0.6570569

00:45:11.802 --> 00:45:15.178 we did outline key players for each channel,

NOTE Confidence: 0.6570569

00:45:15.180 --> 00:45:17.328 meaning the practice nurse,

NOTE Confidence: 0.6570569

00:45:17.328 --> 00:45:20.013 the provider and the scheduler.

NOTE Confidence: 0.6570569

00:45:20.020 --> 00:45:21.766 And I'm going to hand it

NOTE Confidence: 0.6570569

00:45:21.766 --> 00:45:22.930 over to Christina now.

NOTE Confidence: 0.6570569

00:45:22.930 --> 00:45:23.340 Casino.

NOTE Confidence: 0.702385915

00:45:26.860 --> 00:45:30.338 Thanks Randy. So when we began

NOTE Confidence: 0.702385915

00:45:30.338 --> 00:45:32.300 our process a long time ago,

NOTE Confidence: 0.702385915

00:45:32.300 --> 00:45:34.724 we developed this Visio map which

NOTE Confidence: 0.702385915

00:45:34.724 --> 00:45:36.733 really outlined every element from

NOTE Confidence: 0.702385915

00:45:36.733 --> 00:45:38.659 check out from the previous visit

NOTE Confidence: 0.702385915

00:45:38.659 --> 00:45:41.152 to the next visit that they were

NOTE Confidence: 0.702385915

00:45:41.152 --> 00:45:42.982 being seen to really understand

NOTE Confidence: 0.702385915

00:45:42.982 --> 00:45:45.534 this process and how we can improve

NOTE Confidence: 0.702385915

00:45:45.534 --> 00:45:47.550 this across the health system.

NOTE Confidence: 0.702385915

00:45:47.550 --> 00:45:49.838 We further broke this down and to the

NOTE Confidence: 0.702385915

00:45:49.838 --> 00:45:52.389 left hand side where you can see the

NOTE Confidence: 0.702385915

00:45:52.389 --> 00:45:54.430 different swim lanes that looked at

NOTE Confidence: 0.702385915

00:45:54.430 --> 00:45:56.230 the responsibilities of the provider

NOTE Confidence: 0.702385915

00:45:56.230 --> 00:45:58.449 versus the practice nurse versus the

NOTE Confidence: 0.702385915

00:45:58.449 --> 00:46:00.609 schedule as well as we incorporated.

NOTE Confidence: 0.702385915

00:46:00.610 --> 00:46:04.330 Via medical assistance or the ACA's.

NOTE Confidence: 0.702385915

00:46:04.330 --> 00:46:06.229 It was a lot of work to do it in this way,

NOTE Confidence: 0.702385915

00:46:06.230 --> 00:46:09.086 but it really helped to be.

NOTE Confidence: 0.702385915

00:46:09.090 --> 00:46:11.370 It really helped us to understand

NOTE Confidence: 0.702385915

00:46:11.370 --> 00:46:14.428 where we needed to improve our process.

NOTE Confidence: 0.702385915

00:46:14.430 --> 00:46:15.080 Next slide.

NOTE Confidence: 0.905574025

00:46:17.470 --> 00:46:18.650 So since we discussed

NOTE Confidence: 0.911246244285714

00:46:18.660 --> 00:46:20.466 the different elements that we focused on,

NOTE Confidence: 0.911246244285714

00:46:20.470 --> 00:46:22.913 we actually did develop some tools that

NOTE Confidence: 0.911246244285714

00:46:22.913 --> 00:46:25.511 were meant to be helpful for preclinic

NOTE Confidence: 0.911246244285714

00:46:25.511 --> 00:46:27.725 prep purposes and to lessen the

NOTE Confidence: 0.911246244285714

00:46:27.797 --> 00:46:30.660 workload of the practice nurse who is

NOTE Confidence: 0.911246244285714

00:46:30.660 --> 00:46:32.612 performing the preclinic prep elements.

NOTE Confidence: 0.911246244285714

00:46:32.612 --> 00:46:34.778 So the first is what's called

NOTE Confidence: 0.911246244285714

00:46:34.778 --> 00:46:36.829 the UNC Summary Nurse tab.

NOTE Confidence: 0.911246244285714

00:46:36.830 --> 00:46:38.815 It's actually located in the

NOTE Confidence: 0.911246244285714

00:46:38.815 --> 00:46:40.006 multi provider schedule.

NOTE Confidence: 0.911246244285714

00:46:40.010 --> 00:46:43.944 It allows the practice nurse who is

NOTE Confidence: 0.911246244285714

00:46:43.944 --> 00:46:47.598 performing the Preclinic prep one click area.

NOTE Confidence: 0.911246244285714

00:46:47.600 --> 00:46:49.532 To go through the different elements

NOTE Confidence: 0.911246244285714

00:46:49.532 --> 00:46:52.432 that she may find helpful to the

NOTE Confidence: 0.911246244285714

00:46:52.432 --> 00:46:54.696 Preclinic prep prep process.

NOTE Confidence: 0.911246244285714

00:46:54.700 --> 00:46:56.625 So this was developed to hopefully reduce

NOTE Confidence: 0.911246244285714

00:46:56.625 --> 00:46:58.645 the amount of time that the practice

NOTE Confidence: 0.911246244285714

00:46:58.645 --> 00:47:00.660 nurse has to spend doing preclinic prep.

NOTE Confidence: 0.911246244285714

00:47:00.660 --> 00:47:02.236 It involves many elements

NOTE Confidence: 0.911246244285714

00:47:02.236 --> 00:47:04.206 and components to the report,

NOTE Confidence: 0.911246244285714

00:47:04.210 --> 00:47:05.455 including treatment plan,

NOTE Confidence: 0.911246244285714

00:47:05.455 --> 00:47:07.945 the actual follow up disposition from

NOTE Confidence: 0.911246244285714

00:47:07.945 --> 00:47:10.428 the previous visit will be there so

NOTE Confidence: 0.911246244285714

00:47:10.428 --> 00:47:12.180 that they can actually understand

NOTE Confidence: 0.911246244285714

00:47:12.180 --> 00:47:14.616 what is needed for the next visit.

NOTE Confidence: 0.911246244285714

00:47:14.620 --> 00:47:17.710 To help streamline this process.

NOTE Confidence: 0.911246244285714

00:47:17.710 --> 00:47:19.586 So you can go the next slide.

NOTE Confidence: 0.911246244285714

00:47:19.590 --> 00:47:21.624 The other feature that we developed

NOTE Confidence: 0.911246244285714

00:47:21.624 --> 00:47:23.814 is what's called the Visit Ready

NOTE Confidence: 0.911246244285714

00:47:23.814 --> 00:47:26.130 feature on the multi provider schedule.

NOTE Confidence: 0.911246244285714

00:47:26.130 --> 00:47:28.834 This is a column that anyone can add

NOTE Confidence: 0.911246244285714

00:47:28.834 --> 00:47:31.920 to their provider schedule and it for

NOTE Confidence: 0.911246244285714

00:47:31.920 --> 00:47:34.890 those that are currently in the pilot phase.

NOTE Confidence: 0.911246244285714

00:47:34.890 --> 00:47:36.455 The physicians will actually see

NOTE Confidence: 0.911246244285714

00:47:36.455 --> 00:47:38.410 this being done in their areas,

NOTE Confidence: 0.911246244285714

00:47:38.410 --> 00:47:40.601 but you can see that once the

NOTE Confidence: 0.911246244285714

00:47:40.601 --> 00:47:42.410 patient is deemed visit ready,

NOTE Confidence: 0.911246244285714

00:47:42.410 --> 00:47:44.405 the practice nurse will actually

NOTE Confidence: 0.911246244285714

00:47:44.405 --> 00:47:47.729 go in and make the patient a green.

NOTE Confidence: 0.911246244285714

00:47:47.730 --> 00:47:50.979 Check for yes or a red X for no.

NOTE Confidence: 0.911246244285714

00:47:50.980 --> 00:47:53.528 We also included a column for Visit

NOTE Confidence: 0.911246244285714

00:47:53.528 --> 00:47:55.805 Ready comments and that allows the

NOTE Confidence: 0.911246244285714

00:47:55.805 --> 00:47:58.031 practice nurse to make comments in

NOTE Confidence: 0.911246244285714

00:47:58.031 --> 00:48:00.326 that specific area so that number

NOTE Confidence: 0.911246244285714

00:48:00.326 --> 00:48:01.439 one they could.

NOTE Confidence: 0.911246244285714

00:48:01.440 --> 00:48:03.066 It can remind themselves of who's

NOTE Confidence: 0.911246244285714

00:48:03.066 --> 00:48:04.779 to visit ready and who is not,

NOTE Confidence: 0.911246244285714

00:48:04.780 --> 00:48:06.588 as well as what they need to follow

NOTE Confidence: 0.911246244285714

00:48:06.588 --> 00:48:08.538 up on for that particular visit.

NOTE Confidence: 0.911246244285714

00:48:08.540 --> 00:48:11.095 This is also viewable by the provider

NOTE Confidence: 0.911246244285714

00:48:11.095 --> 00:48:14.110 if he rents it into your multi

NOTE Confidence: 0.911246244285714

00:48:14.110 --> 00:48:15.030 provider schedule.

NOTE Confidence: 0.911246244285714

00:48:15.030 --> 00:48:17.270 So that the providers are able to

NOTE Confidence: 0.911246244285714

00:48:17.270 --> 00:48:19.110 see their clinics prep as well.

NOTE Confidence: 0.911246244285714

00:48:19.110 --> 00:48:20.410 Isn't that the next slide?

NOTE Confidence: 0.92133506

00:48:22.230 --> 00:48:23.340 So in order to convey

NOTE Confidence: 0.890053332142857

00:48:23.350 --> 00:48:26.008 this new workflow, we performed formal

NOTE Confidence: 0.890053332142857

00:48:26.008 --> 00:48:28.723 team trainings to discuss this with

NOTE Confidence: 0.890053332142857

00:48:28.723 --> 00:48:31.240 each individual that included the

NOTE Confidence: 0.890053332142857

00:48:31.240 --> 00:48:33.990 discussion of the workflow itself,

NOTE Confidence: 0.890053332142857

00:48:33.990 --> 00:48:36.526 the huddles that we wanted them to do,

NOTE Confidence: 0.890053332142857

00:48:36.530 --> 00:48:38.514 as well as the tools that we developed

NOTE Confidence: 0.890053332142857

00:48:38.514 --> 00:48:40.368 to help streamline this process.

NOTE Confidence: 0.890053332142857

00:48:40.370 --> 00:48:44.183 We also offered initial first huddle,

NOTE Confidence: 0.890053332142857

00:48:44.183 --> 00:48:46.148 guidance and facilitation for the

NOTE Confidence: 0.890053332142857

00:48:46.148 --> 00:48:48.445 new Members that were being part

NOTE Confidence: 0.890053332142857

00:48:48.445 --> 00:48:50.425 of this pilot and the session

NOTE Confidence: 0.890053332142857

00:48:50.425 --> 00:48:52.280 involved all team participants.

NOTE Confidence: 0.890053332142857

00:48:52.280 --> 00:48:55.424 And were completed prior to the GO live.

NOTE Confidence: 0.890053332142857

00:48:55.430 --> 00:48:57.930 Go to the next slide.

NOTE Confidence: 0.890053332142857

00:48:57.930 --> 00:48:59.484 So as as we have alluded to,

NOTE Confidence: 0.890053332142857

00:48:59.490 --> 00:49:02.532 this has been a really big work in progress.

NOTE Confidence: 0.890053332142857

00:49:02.540 --> 00:49:04.850 We currently have North Haven,

NOTE Confidence: 0.890053332142857

00:49:04.850 --> 00:49:07.016 Guildford and Greenwich

NOTE Confidence: 0.890053332142857

00:49:07.016 --> 00:49:10.626 underway with our pilot sites.

NOTE Confidence: 0.890053332142857

00:49:10.630 --> 00:49:12.884 North Haven was our first site to

NOTE Confidence: 0.890053332142857

00:49:12.884 --> 00:49:15.459 go live in October of last year.

NOTE Confidence: 0.890053332142857

00:49:15.460 --> 00:49:17.120 Greenwich currently went live.

NOTE Confidence: 0.890053332142857

00:49:17.120 --> 00:49:20.103 I believe last week and we also

NOTE Confidence: 0.890053332142857

00:49:20.103 --> 00:49:21.940 have planned sites that are going to

NOTE Confidence: 0.890053332142857

00:49:21.940 --> 00:49:23.550 be going live in the near future.

NOTE Confidence: 0.890053332142857

00:49:23.550 --> 00:49:25.800 Thoracic oncology head and neck

NOTE Confidence: 0.890053332142857

00:49:25.800 --> 00:49:27.600 surgery GI met on.

NOTE Confidence: 0.890053332142857

00:49:27.600 --> 00:49:30.420 As well as classical hematology and

NOTE Confidence: 0.890053332142857

00:49:30.420 --> 00:49:32.800 malignant hematology and North Haven,

NOTE Confidence: 0.890053332142857

00:49:32.800 --> 00:49:35.334 we also have incorporated trumple as well.

NOTE Confidence: 0.890053332142857

00:49:35.340 --> 00:49:38.250 They're not on this side, but again,

NOTE Confidence: 0.890053332142857

00:49:38.250 --> 00:49:40.525 this is a work in progress and

NOTE Confidence: 0.890053332142857

00:49:40.525 --> 00:49:42.219 a huge team effort.

NOTE Confidence: 0.890053332142857

00:49:42.220 --> 00:49:44.356 And go to the next slide.

NOTE Confidence: 0.890053332142857

00:49:44.360 --> 00:49:46.040 So now on to the data.

NOTE Confidence: 0.890053332142857

00:49:46.040 --> 00:49:47.522 So we looked at many elements

NOTE Confidence: 0.890053332142857

00:49:47.522 --> 00:49:49.214 and we created this workflow and

NOTE Confidence: 0.890053332142857

00:49:49.214 --> 00:49:50.834 one of those included physician,

NOTE Confidence: 0.890053332142857

00:49:50.840 --> 00:49:51.398 disposition,

NOTE Confidence: 0.890053332142857

00:49:51.398 --> 00:49:52.514 compliance rate.

NOTE Confidence: 0.890053332142857

00:49:52.514 --> 00:49:55.862 This data represents 3 physicians from

NOTE Confidence: 0.890053332142857

00:49:55.862 --> 00:49:59.228 the North Haven site which looked at

NOTE Confidence: 0.890053332142857

00:49:59.228 --> 00:50:03.037 data from pre pilot to April of 2022.

NOTE Confidence: 0.890053332142857

00:50:03.037 --> 00:50:06.070 So as you can see the provider see and

NOTE Confidence: 0.890053332142857

00:50:06.156 --> 00:50:08.964 the green line really was compliant

NOTE Confidence: 0.890053332142857

00:50:08.964 --> 00:50:11.799 with this throughout they acted more

NOTE Confidence: 0.890053332142857

00:50:11.799 --> 00:50:14.445 as our control line or participant.

NOTE Confidence: 0.890053332142857

00:50:14.450 --> 00:50:17.708 And we saw that as we went into October,

NOTE Confidence: 0.890053332142857

00:50:17.710 --> 00:50:21.301 we saw a gradual increase in provider

NOTE Confidence: 0.890053332142857

00:50:21.301 --> 00:50:25.063 a during the pilot phase as and

NOTE Confidence: 0.890053332142857

00:50:25.063 --> 00:50:28.156 tapering off into about a 90th,

NOTE Confidence: 0.890053332142857

00:50:28.156 --> 00:50:31.168 90 high 90 percentile of completion

NOTE Confidence: 0.890053332142857

00:50:31.168 --> 00:50:34.467 as well as provider be as well.

NOTE Confidence: 0.890053332142857

00:50:34.470 --> 00:50:36.302 But the next slide.

NOTE Confidence: 0.890053332142857

00:50:36.302 --> 00:50:40.106 So in addition to the provider compliance,

NOTE Confidence: 0.890053332142857

00:50:40.106 --> 00:50:42.638 we also get practice nurse preclinic

NOTE Confidence: 0.890053332142857

00:50:42.638 --> 00:50:44.099 preparation compliance rates.

NOTE Confidence: 0.890053332142857

00:50:44.100 --> 00:50:46.040 This represents graphs in the

NOTE Confidence: 0.890053332142857

00:50:46.040 --> 00:50:48.442 Helix report format that we looked

NOTE Confidence: 0.890053332142857

00:50:48.442 --> 00:50:50.776 at from North Haven and Guilford,

NOTE Confidence: 0.890053332142857

00:50:50.780 --> 00:50:54.272 so you can see that North Haven had a

NOTE Confidence: 0.890053332142857

00:50:54.272 --> 00:50:56.570 huge uptick in their compliance when

NOTE Confidence: 0.890053332142857

00:50:56.646 --> 00:50:59.698 they actually started the pilot in October,

NOTE Confidence: 0.890053332142857

00:50:59.700 --> 00:51:02.166 and they really maintained that compliance

NOTE Confidence: 0.890053332142857

00:51:02.166 --> 00:51:05.552 rate into the above 95% throughout their.

NOTE Confidence: 0.890053332142857

00:51:05.552 --> 00:51:08.964 The time in this study within Guildford.

NOTE Confidence: 0.890053332142857

00:51:08.964 --> 00:51:11.347 They went live in February of 2022

NOTE Confidence: 0.890053332142857

00:51:11.347 --> 00:51:13.243 and you can see that with them it

NOTE Confidence: 0.890053332142857

00:51:13.243 --> 00:51:15.516 was a little bit more of a gradual

NOTE Confidence: 0.890053332142857

00:51:15.516 --> 00:51:16.362 rise in compliance,

NOTE Confidence: 0.890053332142857

00:51:16.370 --> 00:51:18.896 but overall has again tapered off

NOTE Confidence: 0.890053332142857

00:51:18.896 --> 00:51:21.842 into a great compliance rate for the

NOTE Confidence: 0.890053332142857

00:51:21.842 --> 00:51:24.964 remainder and go to the next slide.

NOTE Confidence: 0.890053332142857

00:51:24.970 --> 00:51:25.734 In addition,

NOTE Confidence: 0.890053332142857

00:51:25.734 --> 00:51:28.026 we also looked at patient visit

NOTE Confidence: 0.890053332142857

00:51:28.026 --> 00:51:29.911 unreadiness volumes and reasons for

NOTE Confidence: 0.890053332142857

00:51:29.911 --> 00:51:31.666 why patients are deemed unready

NOTE Confidence: 0.890053332142857

00:51:31.670 --> 00:51:34.106 for their visit for North Haven.

NOTE Confidence: 0.890053332142857

00:51:34.110 --> 00:51:37.658 We calculated that about 17% of

NOTE Confidence: 0.890053332142857

00:51:37.658 --> 00:51:41.348 patients 170 out of 1098 over the

NOTE Confidence: 0.890053332142857

00:51:41.348 --> 00:51:43.064 course of eight weeks were visit.

NOTE Confidence: 0.890053332142857

00:51:43.070 --> 00:51:45.486 We're not visit ready as well as Guilford,

NOTE Confidence: 0.890053332142857

00:51:45.490 --> 00:51:49.015 which was about 22% or 206 out of

NOTE Confidence: 0.890053332142857

00:51:49.015 --> 00:51:51.640 930 scheduled visits and the real we

NOTE Confidence: 0.819725163888889

00:51:51.725 --> 00:51:53.561 listed the actual categories

NOTE Confidence: 0.819725163888889

00:51:53.561 --> 00:51:55.397 for why this was.

NOTE Confidence: 0.819725163888889

00:51:55.400 --> 00:51:57.128 But we actually found that the

NOTE Confidence: 0.819725163888889

00:51:57.128 --> 00:51:59.018 most common theme was the test

NOTE Confidence: 0.819725163888889

00:51:59.018 --> 00:52:00.708 ordering and scheduling that they

NOTE Confidence: 0.819725163888889

00:52:00.708 --> 00:52:02.338 were not performed or testing

NOTE Confidence: 0.819725163888889

00:52:02.338 --> 00:52:04.000 was not completed in a timely

NOTE Confidence: 0.819725163888889

00:52:04.000 --> 00:52:05.376 manner by the patient.

NOTE Confidence: 0.819725163888889

00:52:05.376 --> 00:52:07.416 Go to the next slide.

NOTE Confidence: 0.933009934285714

00:52:10.890 --> 00:52:13.025 So in addition to our data collection,

NOTE Confidence: 0.933009934285714

00:52:13.030 --> 00:52:15.319 we are also really interested in feedback

NOTE Confidence: 0.933009934285714

00:52:15.319 --> 00:52:18.031 from the end user and ask them to

NOTE Confidence: 0.933009934285714

00:52:18.031 --> 00:52:20.073 respond to the following questions that

NOTE Confidence: 0.933009934285714

00:52:20.073 --> 00:52:22.243 you can see listed here for example.

NOTE Confidence: 0.933009934285714

00:52:22.250 --> 00:52:24.770 We have seen that the doctors

NOTE Confidence: 0.933009934285714

00:52:24.770 --> 00:52:26.450 have found fewer interruptions.

NOTE Confidence: 0.933009934285714

00:52:26.450 --> 00:52:29.082 They can review cases at the same times

NOTE Confidence: 0.933009934285714

00:52:29.082 --> 00:52:31.980 and our nurses have found that the

NOTE Confidence: 0.933009934285714

00:52:31.980 --> 00:52:34.150 huddles have really helped maintain

NOTE Confidence: 0.933009934285714

00:52:34.220 --> 00:52:36.668 helped manage patients efficiently,

NOTE Confidence: 0.933009934285714

00:52:36.670 --> 00:52:39.533 as well as some of the other

NOTE Confidence: 0.933009934285714

00:52:39.533 --> 00:52:40.760 providers noted that.

NOTE Confidence: 0.933009934285714

00:52:40.760 --> 00:52:42.636 Improving the preparation really

NOTE Confidence: 0.933009934285714

00:52:42.636 --> 00:52:44.981 highlighted what patients did not

NOTE Confidence: 0.933009934285714

00:52:44.981 --> 00:52:47.236 have done prior to their visit.

NOTE Confidence: 0.933009934285714

00:52:47.240 --> 00:52:49.410 Move to the next slide.

NOTE Confidence: 0.933009934285714

00:52:49.410 --> 00:52:51.020 So during this process we

NOTE Confidence: 0.933009934285714

00:52:51.020 --> 00:52:52.308 definitely learned a lot,

NOTE Confidence: 0.933009934285714

00:52:52.310 --> 00:52:54.536 including the fact that specific tools

NOTE Confidence: 0.933009934285714

00:52:54.536 --> 00:52:56.550 can really streamline the process,

NOTE Confidence: 0.933009934285714

00:52:56.550 --> 00:52:59.325 but it also requires training

NOTE Confidence: 0.933009934285714

00:52:59.325 --> 00:53:00.990 and consistent utilization.

NOTE Confidence: 0.933009934285714

00:53:00.990 --> 00:53:01.844 In addition,

NOTE Confidence: 0.933009934285714

00:53:01.844 --> 00:53:03.552 consistency with performing huddles

NOTE Confidence: 0.933009934285714

00:53:03.552 --> 00:53:05.665 as well as physician leadership

NOTE Confidence: 0.933009934285714

00:53:05.665 --> 00:53:07.669 and engagement is really a key

NOTE Confidence: 0.933009934285714

00:53:07.669 --> 00:53:10.105 player and a huge role in the

NOTE Confidence: 0.933009934285714

00:53:10.105 --> 00:53:11.469 success of this initiative,

NOTE Confidence: 0.933009934285714

00:53:11.470 --> 00:53:13.750 especially with regards to the disposition,

NOTE Confidence: 0.933009934285714

00:53:13.750 --> 00:53:16.325 completion and leading post clinic

NOTE Confidence: 0.933009934285714

00:53:16.325 --> 00:53:20.989 huddles in a A in a consistent manner.

NOTE Confidence: 0.933009934285714

00:53:20.990 --> 00:53:23.290 Next slide.

NOTE Confidence: 0.933009934285714

00:53:23.290 --> 00:53:24.400 So for our next steps,

NOTE Confidence: 0.933009934285714

00:53:24.400 --> 00:53:25.390 as we look to the future,

NOTE Confidence: 0.933009934285714

00:53:25.390 --> 00:53:28.110 we plan on working with it to refine

NOTE Confidence: 0.933009934285714

00:53:28.110 --> 00:53:29.957 our compliance tools and really

NOTE Confidence: 0.933009934285714

00:53:29.957 --> 00:53:32.153 refine our epic related tools based

NOTE Confidence: 0.933009934285714

00:53:32.153 --> 00:53:34.926 on feedback from the end user and we

NOTE Confidence: 0.933009934285714

00:53:34.926 --> 00:53:37.100 will continue to perform a systematic

NOTE Confidence: 0.933009934285714

00:53:37.100 --> 00:53:39.050 approach when rolling these out.

NOTE Confidence: 0.933009934285714

00:53:39.050 --> 00:53:41.927 To really ensure success of this program

NOTE Confidence: 0.933009934285714

00:53:41.930 --> 00:53:43.568 for those in the ambulatory setting,

NOTE Confidence: 0.933009934285714

00:53:43.570 --> 00:53:45.406 we'll likely be working with you

NOTE Confidence: 0.933009934285714

00:53:45.406 --> 00:53:47.608 in the future with you and your

NOTE Confidence: 0.933009934285714

00:53:47.608 --> 00:53:49.444 teams to help improve your clinics

NOTE Confidence: 0.933009934285714

00:53:49.444 --> 00:53:51.550 and enhance patient preparedness,

NOTE Confidence: 0.933009934285714

00:53:51.550 --> 00:53:53.002 and we really look forward to

NOTE Confidence: 0.933009934285714

00:53:53.002 --> 00:53:53.486 your collaboration.

NOTE Confidence: 0.933009934285714

00:53:53.490 --> 00:53:55.930 During this huge team effort.

NOTE Confidence: 0.933009934285714

00:53:55.930 --> 00:53:57.421 So thank you so much for your

NOTE Confidence: 0.933009934285714

00:53:57.421 --> 00:53:59.259 time and we will now answer any

NOTE Confidence: 0.933009934285714

00:53:59.259 --> 00:54:00.689 questions that make people may

NOTE Confidence: 0.933009934285714

00:54:00.689 --> 00:54:02.482 have with Doctor Kochanski as part

NOTE Confidence: 0.933009934285714

00:54:02.482 --> 00:54:03.937 of the discussion as well.

NOTE Confidence: 0.964802333333333

00:54:11.850 --> 00:54:12.879 Thanks very much.

NOTE Confidence: 0.96826917

00:54:14.910 --> 00:54:15.700 Questions.

NOTE Confidence: 0.22337765

00:54:22.250 --> 00:54:23.884 The you know the only thing I

NOTE Confidence: 0.22337765

00:54:23.884 --> 00:54:24.990 will there's a couple things.

NOTE Confidence: 0.922489538571429

00:54:24.990 --> 00:54:27.506 One that we also are looking at, the press.

NOTE Confidence: 0.922489538571429

00:54:27.506 --> 00:54:29.114 Gainey, we have to understand how

NOTE Confidence: 0.922489538571429

00:54:29.114 --> 00:54:31.051 this is what the meaning is for

NOTE Confidence: 0.922489538571429

00:54:31.051 --> 00:54:32.710 patients as we're doing this work.

NOTE Confidence: 0.922489538571429

00:54:32.710 --> 00:54:34.936 So we're looking at the press

NOTE Confidence: 0.922489538571429

00:54:34.936 --> 00:54:36.602 ganey aspect of of this.

NOTE Confidence: 0.922489538571429

00:54:36.602 --> 00:54:38.534 These this work and the only other

NOTE Confidence: 0.922489538571429

00:54:38.534 --> 00:54:40.723 thing I didn't get a chance to say is

NOTE Confidence: 0.922489538571429

00:54:40.723 --> 00:54:42.688 there are so many people that have

NOTE Confidence: 0.922489538571429

00:54:42.688 --> 00:54:44.906 been involved in this this the practice

NOTE Confidence: 0.922489538571429

00:54:44.906 --> 00:54:46.846 nurses the access team pharmacy.

NOTE Confidence: 0.922489538571429

00:54:46.850 --> 00:54:48.710 Obviously the physicians,

NOTE Confidence: 0.922489538571429

00:54:48.710 --> 00:54:51.270 the AP's and I just want to say

NOTE Confidence: 0.922489538571429

00:54:51.270 --> 00:54:53.060 a huge thank you to all of them.

NOTE Confidence: 0.922489538571429

00:54:53.060 --> 00:54:56.416 As well as Christina and Mandeep you

NOTE Confidence: 0.922489538571429

00:54:56.416 --> 00:54:58.768 know and Jeremy I'm going to ask

NOTE Confidence: 0.922489538571429

00:54:58.768 --> 00:55:01.688 you if you have any kind of pearls

NOTE Confidence: 0.922489538571429

00:55:01.688 --> 00:55:04.219 or words of wisdom that you might

NOTE Confidence: 0.922489538571429

00:55:04.219 --> 00:55:06.860 offer as an end user of this work.

NOTE Confidence: 0.922489538571429

00:55:06.860 --> 00:55:08.430 As we, you know, finish up.

NOTE Confidence: 0.866679865

00:55:10.340 --> 00:55:14.416 Sure, you know. I think for our

NOTE Confidence: 0.866679865

00:55:14.416 --> 00:55:17.992 team this this meeting has really

NOTE Confidence: 0.866679865

00:55:17.992 --> 00:55:20.860 been transformative for our group.

NOTE Confidence: 0.866679865

00:55:20.860 --> 00:55:24.740 And while there is a a core group that I

NOTE Confidence: 0.866679865

00:55:24.740 --> 00:55:27.347 think needs to be there which includes

NOTE Confidence: 0.866679865

00:55:27.347 --> 00:55:30.137 the the physician and the practice,

NOTE Confidence: 0.866679865

00:55:30.140 --> 00:55:34.928 nurse and PFA SII think that

NOTE Confidence: 0.866679865

00:55:34.928 --> 00:55:37.196 the larger the group is,

NOTE Confidence: 0.866679865

00:55:37.196 --> 00:55:40.040 the more productive those meetings are.

NOTE Confidence: 0.866679865

00:55:40.040 --> 00:55:43.288 And we have included in our meetings,

NOTE Confidence: 0.866679865

00:55:43.290 --> 00:55:50.236 our AP's the infusion nurse as well as

NOTE Confidence: 0.866679865

00:55:50.236 --> 00:55:54.108 pharmacy and in doing so you really

NOTE Confidence: 0.866679865

00:55:54.108 --> 00:55:57.111 capture all of the different ways that

NOTE Confidence: 0.866679865

00:55:57.111 --> 00:56:00.185 we need to prepare for the visits,

NOTE Confidence: 0.866679865

00:56:00.190 --> 00:56:02.626 not just including whether a scan has

NOTE Confidence: 0.866679865

00:56:02.626 --> 00:56:04.724 been scheduled as ordered and will

NOTE Confidence: 0.866679865

00:56:04.724 --> 00:56:07.027 be available in time for the visit,

NOTE Confidence: 0.866679865

00:56:07.030 --> 00:56:09.220 but also where chemo orders need

NOTE Confidence: 0.866679865

00:56:09.220 --> 00:56:10.315 to be entered.

NOTE Confidence: 0.866679865

00:56:10.320 --> 00:56:13.876 Or informed consents need to be completed.

NOTE Confidence: 0.866679865

00:56:13.880 --> 00:56:17.030 It's dedicated time to review the

NOTE Confidence: 0.866679865

00:56:17.030 --> 00:56:19.616 schedule with with PFA SI think we all

NOTE Confidence: 0.866679865

00:56:19.616 --> 00:56:22.181 of us you know have these long lists

NOTE Confidence: 0.866679865

00:56:22.181 --> 00:56:24.389 of patients that have acute issues

NOTE Confidence: 0.866679865

00:56:24.454 --> 00:56:26.848 that we need to get in and rather than

NOTE Confidence: 0.866679865

00:56:26.848 --> 00:56:28.744 being disrupted all throughout the day

NOTE Confidence: 0.866679865

00:56:28.744 --> 00:56:30.998 to to figure out when that should be,

NOTE Confidence: 0.866679865

00:56:31.000 --> 00:56:34.360 we now have dedicated time to do that.

NOTE Confidence: 0.866679865

00:56:34.360 --> 00:56:35.233 As a physician.

NOTE Confidence: 0.866679865

00:56:35.233 --> 00:56:37.698 It also allows me to follow up with

NOTE Confidence: 0.866679865

00:56:37.698 --> 00:56:40.792 infusion nurses and the APP's to find out.

NOTE Confidence: 0.866679865

00:56:40.792 --> 00:56:41.210 Uh,

NOTE Confidence: 0.866679865

00:56:41.210 --> 00:56:43.070 whether there are any urgent issues,

NOTE Confidence: 0.866679865

00:56:43.070 --> 00:56:43.896 dose modifications,

NOTE Confidence: 0.866679865

00:56:43.896 --> 00:56:46.374 things that need to happen with

NOTE Confidence: 0.866679865

00:56:46.374 --> 00:56:48.485 patients that I haven't seen that

NOTE Confidence: 0.866679865

00:56:48.485 --> 00:56:51.412 week so that everybody on the team

NOTE Confidence: 0.866679865

00:56:51.412 --> 00:56:53.586 is really understanding where all

NOTE Confidence: 0.866679865

00:56:53.586 --> 00:56:56.610 of the patients are in their course?

NOTE Confidence: 0.866679865

00:56:56.610 --> 00:56:59.796 You know who we can anticipate.

NOTE Confidence: 0.866679865

00:56:59.800 --> 00:57:00.661 Might be progressing,

NOTE Confidence: 0.866679865

00:57:00.661 --> 00:57:02.998 or is having a lot of trouble where

NOTE Confidence: 0.866679865

00:57:02.998 --> 00:57:04.853 you know there might be flags that

NOTE Confidence: 0.866679865

00:57:04.853 --> 00:57:07.093 we say oh we need to bring in OCMD

NOTE Confidence: 0.866679865

00:57:07.093 --> 00:57:09.466 or social work or palliative care.

NOTE Confidence: 0.866679865

00:57:09.466 --> 00:57:13.330 It really is a a holistic approach

NOTE Confidence: 0.866679865

00:57:13.330 --> 00:57:15.220 that can only be done when when

NOTE Confidence: 0.866679865

00:57:15.220 --> 00:57:16.990 you have some dedicated time.

NOTE Confidence: 0.866679865

00:57:16.990 --> 00:57:20.062 And while I know that for for my

NOTE Confidence: 0.866679865

00:57:20.062 --> 00:57:23.427 team we we take an hour on Friday,

NOTE Confidence: 0.866679865

00:57:23.430 --> 00:57:25.615 I understand that not everybody

NOTE Confidence: 0.866679865

00:57:25.615 --> 00:57:27.363 has that much time.

NOTE Confidence: 0.866679865

00:57:27.370 --> 00:57:29.830 But in that hour we review.

NOTE Confidence: 0.866679865

00:57:29.830 --> 00:57:32.872 All of the patients from the week that was,

NOTE Confidence: 0.866679865

00:57:32.880 --> 00:57:35.172 and all of the patients that

NOTE Confidence: 0.866679865

00:57:35.172 --> 00:57:36.684 are in the week that follows,

NOTE Confidence: 0.866679865

00:57:36.690 --> 00:57:39.903 and so it can be done in a shorter

NOTE Confidence: 0.866679865

00:57:39.903 --> 00:57:42.360 amount of time by just breaking

NOTE Confidence: 0.866679865

00:57:42.360 --> 00:57:45.329 it up into fewer days to review.

NOTE Confidence: 0.866679865

00:57:45.330 --> 00:57:45.520 You

NOTE Confidence: 0.835687812142857

00:57:45.530 --> 00:57:47.842 know, Jeremy, I think that the I think

NOTE Confidence: 0.835687812142857

00:57:47.842 --> 00:57:49.987 this team work is really essential.

NOTE Confidence: 0.835687812142857

00:57:49.990 --> 00:57:52.083 I think it can be done as

NOTE Confidence: 0.835687812142857

00:57:52.083 --> 00:57:53.930 an hour that you set up.

NOTE Confidence: 0.835687812142857

00:57:53.930 --> 00:57:56.434 I think that in some cases it needs

NOTE Confidence: 0.835687812142857

00:57:56.434 --> 00:57:58.967 to be a huddle in the morning.

NOTE Confidence: 0.835687812142857

00:57:58.970 --> 00:58:02.300 That I think it's really important.

NOTE Confidence: 0.835687812142857

00:58:02.300 --> 00:58:04.343 One of the things that can happen in that

NOTE Confidence: 0.835687812142857

00:58:04.343 --> 00:58:06.156 that huddle on the day of treatment,

NOTE Confidence: 0.835687812142857

00:58:06.160 --> 00:58:08.666 or for that matter the week before,

NOTE Confidence: 0.835687812142857

00:58:08.670 --> 00:58:11.075 is to identify patients where

NOTE Confidence: 0.835687812142857

00:58:11.075 --> 00:58:12.999 if it gets busy,

NOTE Confidence: 0.835687812142857

00:58:13.000 --> 00:58:15.256 that person might be able to be shunted

NOTE Confidence: 0.835687812142857

00:58:15.256 --> 00:58:17.512 to the infusion room because you know

NOTE Confidence: 0.835687812142857

00:58:17.512 --> 00:58:19.939 they're going to get a treatment anyway

NOTE Confidence: 0.835687812142857

00:58:19.939 --> 00:58:22.515 and see you afterwards as opposed to,

NOTE Confidence: 0.835687812142857

00:58:22.520 --> 00:58:25.320 you know, waiting for everything.

NOTE Confidence: 0.835687812142857

00:58:25.320 --> 00:58:28.274 I'm the one question I have is,

NOTE Confidence: 0.835687812142857

00:58:28.280 --> 00:58:29.192 and you may have.

NOTE Confidence: 0.835687812142857

00:58:29.192 --> 00:58:29.648 Said this,

NOTE Confidence: 0.835687812142857

00:58:29.650 --> 00:58:32.346 but to what extent have you been successful,

NOTE Confidence: 0.835687812142857

00:58:32.350 --> 00:58:34.402 either in New Haven or at

NOTE Confidence: 0.835687812142857

00:58:34.402 --> 00:58:36.330 some of the other sites?

NOTE Confidence: 0.835687812142857

00:58:36.330 --> 00:58:41.160 In pairing infusion nurses with

NOTE Confidence: 0.835687812142857

00:58:41.160 --> 00:58:44.035 physicians so that a physician

NOTE Confidence: 0.835687812142857

00:58:44.035 --> 00:58:47.078 isn't necessarily working with every

NOTE Confidence: 0.835687812142857

00:58:47.078 --> 00:58:50.636 infusion nurse in the infusion room.

NOTE Confidence: 0.835687812142857

00:58:50.640 --> 00:58:52.236 I and maybe you do that,

NOTE Confidence: 0.835687812142857

00:58:52.240 --> 00:58:54.319 it's just my experience in the past

NOTE Confidence: 0.835687812142857

00:58:54.319 --> 00:58:56.580 is that that has been challenging.

NOTE Confidence: 0.6823876075

00:59:01.530 --> 00:59:02.838 You're on mute. Yeah,

NOTE Confidence: 0.905562244285714

00:59:02.850 --> 00:59:06.350 we, we actually haven't with this work.

NOTE Confidence: 0.905562244285714

00:59:06.350 --> 00:59:08.470 We have not focused on

NOTE Confidence: 0.905562244285714

00:59:08.470 --> 00:59:10.590 the pairing or the team.

NOTE Confidence: 0.905562244285714

00:59:10.590 --> 00:59:12.655 I mean, we definitely have an infusion

NOTE Confidence: 0.905562244285714

00:59:12.655 --> 00:59:14.448 nurse as part of the huddles,

NOTE Confidence: 0.905562244285714

00:59:14.450 --> 00:59:16.478 because whether they're, it's the charge

NOTE Confidence: 0.905562244285714

00:59:16.478 --> 00:59:18.350 nurse that represents the infusion,

NOTE Confidence: 0.905562244285714

00:59:18.350 --> 00:59:19.430 but we haven't done that.

NOTE Confidence: 0.905562244285714

00:59:19.430 --> 00:59:20.186 And with lean toss,

NOTE Confidence: 0.905562244285714

00:59:20.186 --> 00:59:21.490 I think we're going to have to.

NOTE Confidence: 0.905562244285714

00:59:21.490 --> 00:59:23.122 You know, we're looking at it a little

NOTE Confidence: 0.905562244285714

00:59:23.122 --> 00:59:25.958 bit differently, so I'm not sure.

NOTE Confidence: 0.905562244285714

00:59:25.960 --> 00:59:29.159 What that will look like just yet?

NOTE Confidence: 0.905562244285714

00:59:29.160 --> 00:59:31.340 So I guess to be determined.

NOTE Confidence: 0.817877721333333

00:59:31.420 --> 00:59:33.324 Yeah, I know we had looked at it

NOTE Confidence: 0.817877721333333

00:59:33.324 --> 00:59:35.289 initially in hematology a long time ago,

NOTE Confidence: 0.817877721333333

00:59:35.290 --> 00:59:37.300 and with the move from

NOTE Confidence: 0.817877721333333

00:59:37.300 --> 00:59:39.310 New Haven to North Haven,

NOTE Confidence: 0.817877721333333

00:59:39.310 --> 00:59:42.190 it kind of it didn't work correctly.

NOTE Confidence: 0.817877721333333

00:59:42.190 --> 00:59:43.780 But I do agree that there's

NOTE Confidence: 0.817877721333333

00:59:43.837 --> 00:59:44.989 a lot of value in that.

NOTE Confidence: 0.835402044444444

00:59:45.170 --> 00:59:46.554 It's always challenging with

NOTE Confidence: 0.835402044444444

00:59:46.554 --> 00:59:48.284 schedules and what have you.

NOTE Confidence: 0.835402044444444

00:59:48.290 --> 00:59:50.831 Although my my strong sense is that

NOTE Confidence: 0.835402044444444

00:59:50.831 --> 00:59:53.734 there's a real value of caring physicians

NOTE Confidence: 0.835402044444444

00:59:53.734 --> 00:59:56.344 with maybe not one person because

NOTE Confidence: 0.835402044444444

00:59:56.424 --> 00:59:58.834 that one person could be off, but.

NOTE Confidence: 0.835402044444444

00:59:58.834 --> 01:00:02.244 Two or three or four people, as opposed to.

NOTE Confidence: 0.835402044444444

01:00:02.244 --> 01:00:05.722 15 right in any case, I just want to

NOTE Confidence: 0.835402044444444

01:00:05.722 --> 01:00:07.579 say you all have done a great job.

NOTE Confidence: 0.835402044444444

01:00:07.580 --> 01:00:09.925 Thank you so much both for presenting

NOTE Confidence: 0.835402044444444

01:00:09.925 --> 01:00:11.410 the work, but more importantly,

NOTE Confidence: 0.835402044444444

01:00:11.410 --> 01:00:13.030 for all the all the really

NOTE Confidence: 0.835402044444444

01:00:13.030 --> 01:00:14.550 great work you've you've done,

NOTE Confidence: 0.835402044444444

01:00:14.550 --> 01:00:16.590 and there'll be more to come, I'm sure.

NOTE Confidence: 0.922719042857143

01:00:17.230 --> 01:00:18.987 Thank you so much for the opportunity.

NOTE Confidence: 0.787498798

01:00:19.160 --> 01:00:21.060 Ohh thanks all of you.

NOTE Confidence: 0.787498798

01:00:21.060 --> 01:00:22.495 Thank you so much. We appreciate it.

NOTE Confidence: 0.787498798

01:00:22.500 --> 01:00:27.050 Thanks, Jeremy. Bye bye. Bye bye.