WEBVTT

00:00:00.000 --> 00:00:01.272 I'm Elena Ratner.

00:00:01.272 --> 00:00:02.968 I'm the division director.

00:00:02.970 --> 00:00:04.710 She went to college, EPL,

00:00:04.710 --> 00:00:09.255 and we're so thrilled to be with you tonight.

00:00:09.260 --> 00:00:12.998 I'm joined by the most excellent providers,

00:00:13.000 --> 00:00:16.395 which I'm so proud to have his

00:00:16.395 --> 00:00:19.409 colleagues that the Mitchell Clark,

00:00:19.410 --> 00:00:22.668 who is Joanne ecologist who is

00:00:22.668 --> 00:00:25.853 practicing currently at Water Ford at

00:00:25.853 --> 00:00:28.619 Lawrence Memorial and join the Dario

00:00:28.619 --> 00:00:32.532 who is the director and who runs

00:00:32.532 --> 00:00:35.427 multiple programs within our practice.

00:00:35.430 --> 00:00:38.145 Most notably so that for

00:00:38.145 --> 00:00:39.774 early cancer detection.

00:00:39.780 --> 00:00:41.852 Call discovery to cure.

00:00:41.852 --> 00:00:43.995 And then ********* intimacy

00:00:43.995 --> 00:00:45.750 and menopause program,

00:00:45.750 --> 00:00:48.675 which is a survivorship program

00:00:48.675 --> 00:00:51.417 that we offer for patients with

00:00:51.417 --> 00:00:54.246 cancer that has to do specifically

00:00:54.246 --> 00:00:57.616 with menopause and with *********.

00:00:57.620 --> 00:01:00.356 So we are so excited to be with

00:01:00.356 --> 00:01:02.909 you today to share with you

00:01:02.909 --> 00:01:05.134 the updates and Joanna Kalaji.

00:01:05.140 --> 00:01:08.204 So much has changed in the field of

00:01:08.204 --> 00:01:10.688 Joanna Kalaji over the past decade.

00:01:10.690 --> 00:01:12.988 You know we no longer treat

00:01:12.988 --> 00:01:15.040 the cancer is the same.

00:01:15.040 --> 00:01:18.032 You know we no longer treat the women

00:01:18.032 --> 00:01:20.865 the same way just because they have

NOTE Confidence: 0.696366

00:01:20.865 --> 00:01:23.759 a certain kind of kind of cancer.

NOTE Confidence: 0.696366

00:01:23.760 --> 00:01:26.172 We truly now offer a personalized

NOTE Confidence: 0.696366

00:01:26.172 --> 00:01:27.378 approach every woman.

NOTE Confidence: 0.696366

00:01:27.380 --> 00:01:29.620 Tomorrow get studied and understood

NOTE Confidence: 0.696366

00:01:29.620 --> 00:01:32.680 an we truly offer a targeted,

NOTE Confidence: 0.696366

00:01:32.680 --> 00:01:33.644 personalized approach.

NOTE Confidence: 0.696366

00:01:33.644 --> 00:01:37.302 Not only cancer, but to every patient.

NOTE Confidence: 0.696366

00:01:37.302 --> 00:01:38.961 We believe wholeheartedly

NOTE Confidence: 0.696366

00:01:38.961 --> 00:01:40.620 in preventative medicine.

NOTE Confidence: 0.696366

00:01:40.620 --> 00:01:44.008 Joanna will talk today about the role

NOTE Confidence: 0.696366

00:01:44.008 --> 00:01:47.936 of genetics and the role of Previvor ship.

NOTE Confidence: 0.696366

00:01:47.940 --> 00:01:51.244 You know, we have struggled over generations

NOTE Confidence: 0.696366

00:01:51.244 --> 00:01:54.770 for to find cure for bearing cancer.

NOTE Confidence: 0.696366

00:01:54.770 --> 00:01:58.186 Few of ovarian cancer is very complex.

NOTE Confidence: 0.696366

00:01:58.190 --> 00:02:01.106 There's a lot of chemotherapy resistance.

NOTE Confidence: 0.696366

00:02:01.110 --> 00:02:04.038 There's a lot of reasons why.

NOTE Confidence: 0.696366

00:02:04.040 --> 00:02:04.537 Unfortunately,

NOTE Confidence: 0.696366

00:02:04.537 --> 00:02:07.022 these cancers recur and hands

NOTE Confidence: 0.696366

00:02:07.022 --> 00:02:08.016 with concentrated.

NOTE Confidence: 0.696366

00:02:08.020 --> 00:02:10.234 Work for generations on early detection

NOTE Confidence: 0.696366

00:02:10.234 --> 00:02:12.920 and so much work and research is

NOTE Confidence: 0.696366

00:02:12.920 --> 00:02:14.815 being done in early detection,

NOTE Confidence: 0.696366

00:02:14.820 --> 00:02:17.221 but the future of ovarian cancer is

NOTE Confidence: 0.696366

00:02:17.221 --> 00:02:19.360 probably not even early detection.

NOTE Confidence: 0.696366

00:02:19.360 --> 00:02:20.262 The future,

NOTE Confidence: 0.696366

00:02:20.262 --> 00:02:23.419 maybe with the present is just prevention.

NOTE Confidence: 0.696366

00:02:23.420 --> 00:02:26.031 Finding the women who are at higher

NOTE Confidence: 0.696366

00:02:26.031 --> 00:02:28.439 risk for these cancers and then

NOTE Confidence: 0.696366

00:02:28.439 --> 00:02:30.857 preventing cancers in them in the

NOTE Confidence: 0.696366

00:02:30.857 --> 00:02:33.245 1st place so that early detection

NOTE Confidence: 0.696366

00:02:33.245 --> 00:02:36.038 or cancer cure is not even an

NOTE Confidence: 0.696366

00:02:36.038 --> 00:02:38.702 entity that this cancers can be

NOTE Confidence: 0.696366

00:02:38.702 --> 00:02:41.018 prevented before they even happen.

NOTE Confidence: 0.696366

00:02:41.020 --> 00:02:42.895 So that's the Clark today

NOTE Confidence: 0.696366

00:02:42.895 --> 00:02:44.770 will share with us updates,

NOTE Confidence: 0.696366

00:02:44.770 --> 00:02:45.841 enjoy mycology again.

NOTE Confidence: 0.696366

00:02:45.841 --> 00:02:47.626 Kind of concentrating with this

NOTE Confidence: 0.696366

00:02:47.626 --> 00:02:49.227 kind of personalized approach

NOTE Confidence: 0.696366

00:02:49.227 --> 00:02:51.687 that we offer very much within

NOTE Confidence: 0.696366

00:02:51.687 --> 00:02:53.583 Lawrence Memorial and within here

NOTE Confidence: 0.696366

00:02:53.583 --> 00:02:55.268 within the Yale Health System.

NOTE Confidence: 0.696366

00:02:55.270 --> 00:02:56.401 And then join,

NOTE Confidence: 0.696366

00:02:56.401 --> 00:02:59.040 I will talk to you about Providership

NOTE Confidence: 0.696366

00:02:59.117 --> 00:03:02.013 and how important it is to find these

NOTE Confidence: 0.696366

00:03:02.013 --> 00:03:04.298 women record high risk for these

NOTE Confidence: 0.696366

00:03:04.298 --> 00:03:06.518 cancers and how important is to

NOTE Confidence: 0.696366

00:03:06.520 --> 00:03:08.020 really have comprehensive approach.

NOTE Confidence: 0.696366

00:03:08.020 --> 00:03:08.770 You know,

NOTE Confidence: 0.696366

00:03:08.770 --> 00:03:11.922 it is so important to remember that this

NOTE Confidence: 0.696366

00:03:11.922 --> 00:03:14.067 genetic mutations do not just affect.

NOTE Confidence: 0.696366

00:03:14.070 --> 00:03:16.326 The ovary or the breast that all of

NOTE Confidence: 0.696366

00:03:16.326 --> 00:03:18.940 them are intertwined and this is not

NOTE Confidence: 0.696366

00:03:18.940 --> 00:03:20.925 just something that affects women.

NOTE Confidence: 0.696366

00:03:20.930 --> 00:03:22.855 This is something that affects

NOTE Confidence: 0.696366

00:03:22.855 --> 00:03:25.161 women and man for generations and

NOTE Confidence: 0.696366

00:03:25.161 --> 00:03:27.317 it is so important that we are

NOTE Confidence: 0.696366

00:03:27.317 --> 00:03:29.609 offering this kind of a care to

NOTE Confidence: 0.696366

00:03:29.609 --> 00:03:31.214 our patients and their families.

NOTE Confidence: 0.696366

00:03:31.220 --> 00:03:31.964 So again,

NOTE Confidence: 0.696366

00:03:31.964 --> 00:03:34.568 thank you and welcome and we're so

NOTE Confidence: 0.696366

00:03:34.568 --> 00:03:37.050 thrilled to be with you on this Webex.

NOTE Confidence: 0.83869994

00:03:37.050 --> 00:03:38.770 But really even more so.

NOTE Confidence: 0.83869994

00:03:38.770 --> 00:03:40.876 We're so thrilled to be part

NOTE Confidence: 0.83869994

00:03:40.876 --> 00:03:43.178 of your community and to be

NOTE Confidence: 0.83869994

00:03:43.178 --> 00:03:44.818 providing Joanna Kalaji care.

NOTE Confidence: 0.83869994

00:03:44.820 --> 00:03:47.070 At Lawrence Memorial Dr Clark.

NOTE Confidence: 0.83869994

00:03:47.070 --> 00:03:48.420 Yes thank you

NOTE Confidence: 0.8212605

00:03:48.420 --> 00:03:51.227 so much. I'm just gonna switch over

NOTE Confidence: 0.8212605

00:03:51.227 --> 00:03:54.270 and share my screen with everyone.

NOTE Confidence: 0.60725784

00:03:56.280 --> 00:03:59.735 All race. Alright, so thank you so

NOTE Confidence: 0.60725784

00:03:59.735 --> 00:04:01.317 much Doctor Ratner for the excellent

NOTE Confidence: 0.60725784

00:04:01.317 --> 00:04:02.605 introduction and thanks everyone

NOTE Confidence: 0.60725784

00:04:02.605 --> 00:04:04.558 for joining us tonight on this

NOTE Confidence: 0.60725784

00:04:04.558 --> 00:04:06.018 sort of rainy Wednesday evening.

NOTE Confidence: 0.60725784

00:04:06.020 --> 00:04:07.730 For those who, I haven't had

NOTE Confidence: 0.60725784

00:04:07.730 --> 00:04:09.190 a chance to meet you.

NOTE Confidence: 0.60725784

00:04:09.190 --> 00:04:10.906 My name is Doctor Mitchell Clark.

NOTE Confidence: 0.60725784

00:04:10.910 --> 00:04:12.458 I'm within the division of dynamic

NOTE Confidence: 0.60725784

00:04:12.458 --> 00:04:14.528 at Yale and my clinical practice is

NOTE Confidence: 0.60725784

00:04:14.528 --> 00:04:16.490 focused here at Lawrence and Memorial

NOTE Confidence: 0.60725784

00:04:16.490 --> 00:04:18.400 and at the Water for Care Center.

NOTE Confidence: 0.60725784

00:04:18.400 --> 00:04:20.074 And we're going to start tonight

NOTE Confidence: 0.60725784

00:04:20.074 --> 00:04:21.837 session by talking about updates and

NOTE Confidence: 0.60725784

00:04:21.837 --> 00:04:23.625 ovarian cancer which Doctor Ratner has

NOTE Confidence: 0.60725784

00:04:23.625 --> 00:04:25.598 alluded to is very exciting right now.

NOTE Confidence: 0.60725784

00:04:25.600 --> 00:04:27.040 I don't have any disclosures,

NOTE Confidence: 0.60725784

00:04:27.040 --> 00:04:29.308 either financial or use of any off

NOTE Confidence: 0.60725784

00:04:29.308 --> 00:04:30.940 label medication in this talk.

NOTE Confidence: 0.60725784

00:04:30.940 --> 00:04:32.907 So just some objectives for what I

NOTE Confidence: 0.60725784

00:04:32.907 --> 00:04:35.013 hope to cover in a quick discussion

NOTE Confidence: 0.60725784

00:04:35.013 --> 00:04:37.240 on these highlights is talk a little

NOTE Confidence: 0.60725784

00:04:37.240 --> 00:04:39.454 bit how the proposed origins ovarian

NOTE Confidence: 0.60725784

00:04:39.454 --> 00:04:41.854 cancer have changed and how this impacts

NOTE Confidence: 0.60725784

00:04:41.854 --> 00:04:43.459 early prevention and early diagnosis.

NOTE Confidence: 0.60725784

00:04:43.460 --> 00:04:45.868 Review some of the data on opportunistic

NOTE Confidence: 0.60725784

00:04:45.868 --> 00:04:47.606 salpingectomy and then risk reducing

NOTE Confidence: 0.60725784

00:04:47.606 --> 00:04:49.538 surgery for women who are identified

NOTE Confidence: 0.60725784

00:04:49.538 --> 00:04:51.097 it being a particularly high

NOTE Confidence: 0.60725784

00:04:51.097 --> 00:04:53.085 risk and then in those women who

NOTE Confidence: 0.60725784

00:04:53.090 --> 00:04:55.337 do go on to develop a cancer.

NOTE Confidence: 0.60725784

00:04:55.340 --> 00:04:56.620 How we've increased our

NOTE Confidence: 0.60725784

00:04:56.620 --> 00:04:57.900 use of new management,

NOTE Confidence: 0.60725784

00:04:57.900 --> 00:04:59.196 chemotherapy and special interval

NOTE Confidence: 0.60725784

00:04:59.196 --> 00:05:00.816 surgical techniques for these women

NOTE Confidence: 0.60725784

00:05:00.816 --> 00:05:02.767 to help manage their advanced disease.

NOTE Confidence: 0.60725784

00:05:02.770 --> 00:05:05.185 And then probably most exciting of all,

NOTE Confidence: 0.60725784

00:05:05.190 --> 00:05:07.260 is to discuss some of the

NOTE Confidence: 0.60725784

00:05:07.260 --> 00:05:08.640 emerging data on maintenance,

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NOTE Confidence: 0.60725784

00:05:08.640 --> 00:05:08.965 treatment,

NOTE Confidence: 0.60725784

00:05:08.965 --> 00:05:11.240 and so how we can extend the

NOTE Confidence: 0.60725784

00:05:11.240 --> 00:05:13.390 survival of our survivors of ovarian

NOTE Confidence: 0.60725784

00:05:13.390 --> 00:05:15.532 cancer for years down the road.

NOTE Confidence: 0.60725784

00:05:15.540 --> 00:05:17.574 So my practice is primarily focused

NOTE Confidence: 0.60725784

00:05:17.574 --> 00:05:20.019 here in the water for Care Center.

NOTE Confidence: 0.60725784

00:05:20.020 --> 00:05:21.332 Like I mentioned before,

NOTE Confidence: 0.60725784

00:05:21.332 --> 00:05:23.300 we feel full range of gynecological

NOTE Confidence: 0.60725784

00:05:23.360 --> 00:05:24.509 malignancy's as well.

NOTE Confidence: 0.60725784

00:05:24.510 --> 00:05:26.562 If complex joint surgical care as

NOTE Confidence: 0.60725784

00:05:26.562 --> 00:05:28.573 well as patients who are either

NOTE Confidence: 0.60725784

00:05:28.573 --> 00:05:30.853 thought to have or known to have a

NOTE Confidence: 0.60725784

00:05:30.924 --> 00:05:33.020 hereditary cancer syndrome which.

NOTE Confidence: 0.60725784

00:05:33.020 --> 00:05:34.530 Joanna will expand a little

NOTE Confidence: 0.60725784

00:05:34.530 --> 00:05:36.610 bit on later on this evening.

NOTE Confidence: 0.60725784

00:05:36.610 --> 00:05:40.210 This data is and is not new for many of you.

NOTE Confidence: 0.60725784

00:05:40.210 --> 00:05:42.450 Most of you are aware that this is

NOTE Confidence: 0.60725784

00:05:42.450 --> 00:05:44.176 the second most common gynecological

NOTE Confidence: 0.60725784

00:05:44.176 --> 00:05:46.745 malignancy that we see in the US,

NOTE Confidence: 0.60725784

00:05:46.750 --> 00:05:48.946 but it certainly accounts for far

NOTE Confidence: 0.60725784

00:05:48.946 --> 00:05:50.646 more death and unfortunately in

NOTE Confidence: 0.60725784

00:05:50.646 --> 00:05:52.284 2020 / 21,000 women were diagnosed

NOTE Confidence: 0.60725784

00:05:52.284 --> 00:05:54.210 with this disease and 13,000 of

NOTE Confidence: 0.60725784

00:05:54.267 --> 00:05:55.897 them succumb to their illness,

NOTE Confidence: 0.60725784

00:05:55.900 --> 00:05:58.516 and we've alluded to the problem for decades.

NOTE Confidence: 0.60725784

00:05:58.520 --> 00:06:00.599 Has been that most of these women

NOTE Confidence: 0.60725784

00:06:00.599 --> 00:06:02.439 presented a very advanced stage,

NOTE Confidence: 0.60725784

00:06:02.440 --> 00:06:04.561 and as we would expect from with

NOTE Confidence: 0.60725784

00:06:04.561 --> 00:06:06.700 all cancers or survival outcomes.

NOTE Confidence: 0.60725784

00:06:06.700 --> 00:06:08.380 Certainly decrease as stage increases,

NOTE Confidence: 0.60725784

00:06:08.380 --> 00:06:10.746 but we know now through advances in

NOTE Confidence: 0.60725784

00:06:10.746 --> 00:06:12.472 molecular testing and things that

NOTE Confidence: 0.60725784

00:06:12.472 --> 00:06:14.428 will talk about further on that.

NOTE Confidence: 0.60725784

00:06:14.430 --> 00:06:16.915 These are not just all the same

NOTE Confidence: 0.60725784

00:06:16.915 --> 00:06:19.302 ovarian cancer and the site is very

NOTE Confidence: 0.60725784

00:06:19.302 --> 00:06:21.820 busy and there's no quiz at the end,

NOTE Confidence: 0.60725784

00:06:21.820 --> 00:06:24.130 but just to highlight the real

NOTE Confidence: 0.60725784

00:06:24.130 --> 00:06:25.670 heterogeneous grouping of histologic

NOTE Confidence: 0.60725784

00:06:25.737 --> 00:06:27.495 subtypes and how important it is

NOTE Confidence: 0.60725784

00:06:27.495 --> 00:06:29.680 that we expand our knowledge of how

NOTE Confidence: 0.60725784

00:06:29.680 --> 00:06:31.576 each of these relate to diagnosis

NOTE Confidence: 0.60725784

00:06:31.576 --> 00:06:34.300 into treatment and to survivorship.

NOTE Confidence: 0.60725784

00:06:34.300 --> 00:06:36.288 This is a picture taken out of

NOTE Confidence: 0.60725784

00:06:36.288 --> 00:06:38.733 a book that you know many of us

NOTE Confidence: 0.60725784

00:06:38.733 --> 00:06:40.253 have probably seen in our

NOTE Confidence: 0.85999936

00:06:40.330 --> 00:06:42.071 training, highlighting the survivorship

NOTE Confidence: 0.85999936

12

00:06:42.071 --> 00:06:44.333 and lifetime experience of women with

NOTE Confidence: 0.85999936

00:06:44.333 --> 00:06:46.607 ovarian cancer that really shows a sort

NOTE Confidence: 0.85999936

00:06:46.607 --> 00:06:48.377 of antiquated experience that many of

NOTE Confidence: 0.85999936

00:06:48.377 --> 00:06:50.099 us have been dealing with for years,

NOTE Confidence: 0.85999936

00:06:50.100 --> 00:06:51.640 which is survival measured in

NOTE Confidence: 0.85999936

00:06:51.640 --> 00:06:53.580 many months and not many years.

NOTE Confidence: 0.85999936

00:06:53.580 --> 00:06:56.199 And I hope we can circle back to this

NOTE Confidence: 0.85999936

00:06:56.199 --> 00:06:58.460 figure at the end of the talk and

NOTE Confidence: 0.85999936

00:06:58.460 --> 00:07:00.461 show how these advances in ovarian

NOTE Confidence: 0.85999936

00:07:00.461 --> 00:07:03.058 cancer have really LED us to believe

NOTE Confidence: 0.85999936

00:07:03.060 --> 00:07:05.489 that we're going to pull this graph.

NOTE Confidence: 0.85999936

00:07:05.490 --> 00:07:07.826 From side to side and really expand the

NOTE Confidence: 0.85999936

00:07:07.826 --> 00:07:09.929 Survivor ship time and disease free time

NOTE Confidence: 0.85999936

00:07:09.929 --> 00:07:12.220 that our patients are able to experience.

NOTE Confidence: 0.85999936

00:07:12.220 --> 00:07:13.444 So what came first?

NOTE Confidence: 0.85999936

00:07:13.444 --> 00:07:14.974 The chicken or the egg?

NOTE Confidence: 0.85999936

00:07:14.980 --> 00:07:17.725 And you know where did this cancer come from?

NOTE Confidence: 0.85999936

00:07:17.730 --> 00:07:19.908 Some of you may be aware of the data

NOTE Confidence: 0.85999936

00:07:19.908 --> 00:07:22.167 that is emerging to suggest that maybe

NOTE Confidence: 0.85999936

00:07:22.167 --> 00:07:24.545 the most common types of ovarian cancer

NOTE Confidence: 0.85999936

00:07:24.545 --> 00:07:26.904 actually started in the tube for years.

NOTE Confidence: 0.85999936

00:07:26.910 --> 00:07:28.919 We thought that it was this obligatory

NOTE Confidence: 0.85999936

00:07:28.919 --> 00:07:31.118 rupture on the surface of the ring

NOTE Confidence: 0.85999936

00:07:31.118 --> 00:07:32.713 that was causing these mutations,

NOTE Confidence: 0.85999936

00:07:32.720 --> 00:07:34.869 and cancer would go on to develop.

NOTE Confidence: 0.85999936

00:07:34.870 --> 00:07:36.820 But now there's some really exciting.

NOTE Confidence: 0.85999936

00:07:36.820 --> 00:07:38.920 Research and and special pathology

NOTE Confidence: 0.85999936

00:07:38.920 --> 00:07:41.020 techniques were identifying these lesions

NOTE Confidence: 0.85999936

00:07:41.079 --> 00:07:43.212 at a very early stage or what is called

NOTE Confidence: 0.85999936

00:07:43.212 --> 00:07:45.559 the stick lesion or the precursor lesion,

NOTE Confidence: 0.85999936

00:07:45.560 --> 00:07:47.235 and through this work and

NOTE Confidence: 0.85999936

00:07:47.235 --> 00:07:48.575 some very exciting science,

NOTE Confidence: 0.85999936

00:07:48.580 --> 00:07:50.932 we actually think that the most likely

NOTE Confidence: 0.85999936

00:07:50.932 --> 00:07:52.990 mechanism is that these these cancers

NOTE Confidence: 0.85999936

00:07:52.990 --> 00:07:55.300 probably start in the tube and then

NOTE Confidence: 0.85999936

00:07:55.360 --> 00:07:57.010 migrate into the peritoneal cavity

NOTE Confidence: 0.85999936

00:07:57.010 --> 00:07:59.665 and spread in the in the way that

NOTE Confidence: 0.85999936

00:07:59.665 --> 00:08:01.675 we know ovarian cancer to behave,

NOTE Confidence: 0.85999936

00:08:01.680 --> 00:08:04.848 and so that brings up the opportunity of a

NOTE Confidence: 0.85999936

00:08:04.848 --> 00:08:07.160 salpingectomy for our women who are average.

NOTE Confidence: 0.85999936

00:08:07.160 --> 00:08:09.068 Age, risk and what is an

NOTE Confidence: 0.85999936

00:08:09.068 --> 00:08:09.704 opportunistic salpingectomy?

NOTE Confidence: 0.85999936

00:08:09.710 --> 00:08:11.066 When are these opportunities?

NOTE Confidence: 0.85999936

00:08:11.066 --> 00:08:13.100 If you're telling me the cancer

NOTE Confidence: 0.85999936

00:08:13.163 --> 00:08:14.498 is starting in the tube,

NOTE Confidence: 0.85999936

00:08:14.500 --> 00:08:14.741 well,

NOTE Confidence: 0.85999936

00:08:14.741 --> 00:08:16.428 let's take them out so this can

NOTE Confidence: 0.85999936

00:08:16.428 --> 00:08:18.964 be at times when women are having

NOTE Confidence: 0.85999936

00:08:18.964 --> 00:08:20.560 hysterectomy for benign indications.

NOTE Confidence: 0.85999936

00:08:20.560 --> 00:08:22.468 Women who are undergoing cesarean section,

NOTE Confidence: 0.85999936

00:08:22.470 --> 00:08:23.742 desire surgical sterilization or

NOTE Confidence: 0.85999936

00:08:23.742 --> 00:08:25.332 perhaps women who are searching,

NOTE Confidence: 0.85999936

00:08:25.340 --> 00:08:26.620 searching for surgical sterilization.

NOTE Confidence: 0.85999936

00:08:26.620 --> 00:08:27.580 Outside of pregnancy.

NOTE Confidence: 0.85999936

00:08:27.580 --> 00:08:28.222 You know,

NOTE Confidence: 0.85999936

00:08:28.222 --> 00:08:31.090 I hear a lot of providers said to me,

NOTE Confidence: 0.85999936

00:08:31.090 --> 00:08:31.726 you know,

NOTE Confidence: 0.85999936

00:08:31.726 --> 00:08:33.952 I've been doing one technique for years.

NOTE Confidence: 0.85999936

00:08:33.960 --> 00:08:36.389 I do the Pomeroy or the modified

NOTE Confidence: 0.85999936

00:08:36.389 --> 00:08:38.049 Pomeroy very happy with it.

NOTE Confidence: 0.85999936

00:08:38.050 --> 00:08:38.929 I'm very comfortable.

NOTE Confidence: 0.85999936

00:08:38.929 --> 00:08:41.720 Is the data strong and what is the benefit?

NOTE Confidence: 0.85999936

00:08:41.720 --> 00:08:44.107 And this just highlights some of the

NOTE Confidence: 0.85999936

00:08:44.107 --> 00:08:46.006 exciting research that's come out of

NOTE Confidence: 0.85999936

00:08:46.006 --> 00:08:47.644 some of the cancer registry showing

NOTE Confidence: 0.85999936

00:08:47.644 --> 00:08:49.585 a 35% risk reduction for death from

NOTE Confidence: 0.85999936

00:08:49.585 --> 00:08:51.402 ovarian cancer in women who underwent

NOTE Confidence: 0.85999936

00:08:51.402 --> 00:08:53.346 an opportunistic self inject to me.

NOTE Confidence: 0.85999936

00:08:53.350 --> 00:08:55.485 I hear a lot of people say.

NOTE Confidence: 0.85999936

00:08:55.490 --> 00:08:57.625 Also, you know, I'm a little worried.

NOTE Confidence: 0.85999936

00:08:57.630 --> 00:08:59.160 At the time of C-section.

NOTE Confidence: 0.85999936

00:08:59.160 --> 00:09:00.685 Those tubes are really engorged

NOTE Confidence: 0.85999936

00:09:00.685 --> 00:09:02.530 or I'm worried about blood loss,

NOTE Confidence: 0.85999936

00:09:02.530 --> 00:09:03.469 but Jessica McAlpine,

NOTE Confidence: 0.85999936

00:09:03.469 --> 00:09:05.982 who was a fellow here at Yale a

NOTE Confidence: 0.85999936

00:09:05.982 --> 00:09:07.746 number of years ago and have gone

NOTE Confidence: 0.85999936

00:09:07.746 --> 00:09:09.819 on to Vancouver and done amazing

NOTE Confidence: 0.85999936

00:09:09.819 --> 00:09:11.699 research and work out there.

NOTE Confidence: 0.85999936

00:09:11.700 --> 00:09:13.898 Show that in her series there was

NOTE Confidence: 0.85999936

00:09:13.898 --> 00:09:15.186 no increase, blood transfusion,

NOTE Confidence: 0.85999936

00:09:15.186 --> 00:09:15.514 hospital,

NOTE Confidence: 0.85999936

00:09:15.514 --> 00:09:17.482 length of admission was the same

NOTE Confidence: 0.85999936

00:09:17.482 --> 00:09:18.920 and no re emission rates.

NOTE Confidence: 0.85999936

00:09:18.920 --> 00:09:20.595 Being higher for those who

NOTE Confidence: 0.85999936

00:09:20.595 --> 00:09:22.270 underwent this procedure and really

NOTE Confidence: 0.842747

00:09:22.328 --> 00:09:24.616 only added to 10 to 15 minutes of

NOTE Confidence: 0.842747

00:09:24.616 --> 00:09:26.459 additional surgical time, so you know

NOTE Confidence: 0.842747

00:09:26.459 --> 00:09:28.337 that's our average age risk women,

NOTE Confidence: 0.842747

00:09:28.340 --> 00:09:31.166 but I've Joanne is going to talk about later.

NOTE Confidence: 0.842747

00:09:31.170 --> 00:09:33.618 What do we do for patients who are known

NOTE Confidence: 0.842747

00:09:33.618 --> 00:09:36.895 to harbor a mutation in one of these genes

NOTE Confidence: 0.842747

00:09:36.895 --> 00:09:39.028 that significantly increases their risk?

NOTE Confidence: 0.842747

00:09:39.030 --> 00:09:40.960 And we've traditionally been doing

NOTE Confidence: 0.842747

18

00:09:40.960 --> 00:09:42.890 risk reducing bilateral salpingo for

NOTE Confidence: 0.842747

00:09:42.949 --> 00:09:44.971 ectomy when women have made that

NOTE Confidence: 0.842747

00:09:44.971 --> 00:09:46.760 decision after information is shared,

NOTE Confidence: 0.842747

00:09:46.760 --> 00:09:48.600 decision making with their provider.

NOTE Confidence: 0.842747

00:09:48.600 --> 00:09:50.574 But there are complications related to

NOTE Confidence: 0.842747

00:09:50.574 --> 00:09:53.009 quality of life from surgical menopause.

NOTE Confidence: 0.842747

00:09:53.010 --> 00:09:54.482 These are important decisions

NOTE Confidence: 0.842747

00:09:54.482 --> 00:09:55.586 that women make,

NOTE Confidence: 0.842747

00:09:55.590 --> 00:09:57.615 balancing their quality of life

NOTE Confidence: 0.842747

00:09:57.615 --> 00:10:00.199 against the risk of cancer and so.

NOTE Confidence: 0.842747

00:10:00.200 --> 00:10:02.258 Two separate research groups have now

NOTE Confidence: 0.842747

00:10:02.258 --> 00:10:04.368 collaborated to explore the idea of well,

NOTE Confidence: 0.842747

00:10:04.370 --> 00:10:06.296 if this is in the tube,

NOTE Confidence: 0.842747

00:10:06.300 --> 00:10:08.547 why not just take out the two?

NOTE Confidence: 0.842747

00:10:08.550 --> 00:10:10.790 And so I want to caution you.

NOTE Confidence: 0.842747

00:10:10.790 --> 00:10:13.037 This is still an ongoing clinical trial,

NOTE Confidence: 0.842747

00:10:13.040 --> 00:10:14.876 but something I wanted to highlight

NOTE Confidence: 0.842747

00:10:14.876 --> 00:10:16.100 as emerging evidence that's

NOTE Confidence: 0.842747

00:10:16.156 --> 00:10:17.856 hopefully coming down the pipeline.

NOTE Confidence: 0.842747

00:10:17.860 --> 00:10:19.036 The Tubo whiffed study,

NOTE Confidence: 0.842747

00:10:19.036 --> 00:10:21.549 which is a combination of a an American

NOTE Confidence: 0.842747

00:10:21.549 --> 00:10:23.619 and European initiative that looks at

NOTE Confidence: 0.842747

00:10:23.619 --> 00:10:25.931 doing just the tube and delaying new

NOTE Confidence: 0.842747

00:10:25.931 --> 00:10:28.156 for ectomy for delaying that time again.

NOTE Confidence: 0.842747

00:10:28.156 --> 00:10:30.154 We don't have the data yet.

NOTE Confidence: 0.842747

00:10:30.160 --> 00:10:30.694 For this,

NOTE Confidence: 0.842747

00:10:30.694 --> 00:10:32.296 and we're hoping to see what

NOTE Confidence: 0.842747

00:10:32.296 --> 00:10:33.460 emerges from this trial,

NOTE Confidence: 0.842747

00:10:33.460 --> 00:10:34.966 but just to highlight the fact

NOTE Confidence: 0.842747

00:10:34.966 --> 00:10:36.585 that we're really are focused on

NOTE Confidence: 0.842747

00:10:36.585 --> 00:10:37.985 trying to prevent this ovarian

NOTE Confidence: 0.842747

00:10:37.985 --> 00:10:39.509 cancer before it even happens,

NOTE Confidence: 0.842747

00:10:39.510 --> 00:10:41.710 and finding ways that we can do that,

NOTE Confidence: 0.842747

00:10:41.710 --> 00:10:43.943 that balance of quality of life and

NOTE Confidence: 0.842747

00:10:43.943 --> 00:10:45.782 individual choices for women when they're

NOTE Confidence: 0.842747

00:10:45.782 --> 00:10:48.370 trying to decide what to do for themselves.

NOTE Confidence: 0.842747

00:10:48.370 --> 00:10:48.674 Unfortunately,

NOTE Confidence: 0.842747

00:10:48.674 --> 00:10:51.106 a number of women will go on to

NOTE Confidence: 0.842747

00:10:51.106 --> 00:10:52.999 develop an advanced ovarian cancer,

NOTE Confidence: 0.842747

00:10:53.000 --> 00:10:55.358 and I'm sure like many of you and your

NOTE Confidence: 0.842747

00:10:55.358 --> 00:10:57.495 guy knock rotation as resident you

NOTE Confidence: 0.842747

00:10:57.495 --> 00:10:59.726 were involved in these long complex

NOTE Confidence: 0.842747

00:10:59.726 --> 00:11:02.218 operations with lots of disease and we

NOTE Confidence: 0.842747

00:11:02.218 --> 00:11:04.013 are really complex surgical debulking

NOTE Confidence: 0.842747

00:11:04.013 --> 00:11:05.818 because for decades our knowledge

NOTE Confidence: 0.842747

00:11:05.818 --> 00:11:07.897 was that you know a big operation.

NOTE Confidence: 0.842747

00:11:07.900 --> 00:11:09.868 Removing all the visible cancer as

NOTE Confidence: 0.842747

00:11:09.868 --> 00:11:12.198 possible gives the best outcome to women,

NOTE Confidence: 0.842747

00:11:12.200 --> 00:11:14.594 but I'm sure you also saw a lot of

NOTE Confidence: 0.842747

00:11:14.594 --> 00:11:16.838 patients experience more bitteti summer.

NOTE Confidence: 0.842747

00:11:16.840 --> 00:11:17.182 Fortunately,

NOTE Confidence: 0.842747

00:11:17.182 --> 00:11:18.550 mortality and high complication

NOTE Confidence: 0.842747

00:11:18.550 --> 00:11:19.576 rates for those.

NOTE Confidence: 0.842747

00:11:19.580 --> 00:11:21.440 Who are universally treated with the

NOTE Confidence: 0.842747

00:11:21.440 --> 00:11:23.044 same approach so universally taken

NOTE Confidence: 0.842747

00:11:23.044 --> 00:11:24.594 to the OR without consideration

NOTE Confidence: 0.842747

00:11:24.594 --> 00:11:25.834 of individual life factors.

NOTE Confidence: 0.842747

00:11:25.840 --> 00:11:28.304 And so there have been a number of

NOTE Confidence: 0.842747

00:11:28.304 --> 00:11:30.228 trials exploring the use of how

NOTE Confidence: 0.842747

00:11:30.228 --> 00:11:31.468 we give some chemotherapy.

NOTE Confidence: 0.842747

00:11:31.470 --> 00:11:33.348 First, let's shrink this cancer down.

NOTE Confidence: 0.842747

00:11:33.350 --> 00:11:35.303 Let's try to have an operation that

NOTE Confidence: 0.842747

00:11:35.303 --> 00:11:37.420 maybe is a little less radical,

NOTE Confidence: 0.842747

00:11:37.420 --> 00:11:39.244 but can still provide the same

NOTE Confidence: 0.842747

00:11:39.244 --> 00:11:40.860 Uncle logic outcome for women.

NOTE Confidence: 0.842747

00:11:40.860 --> 00:11:42.743 And this is just one of those

NOTE Confidence: 0.842747

00:11:42.743 --> 00:11:44.697 trials that I wanted to highlight

NOTE Confidence: 0.842747

00:11:44.697 --> 00:11:46.497 which is the chorus trial.

NOTE Confidence: 0.842747

00:11:46.500 --> 00:11:48.105 These folks randomized advanced age

NOTE Confidence: 0.842747

00:11:48.105 --> 00:11:49.710 ovarian cancer to undergo either.

NOTE Confidence: 0.842747

00:11:49.710 --> 00:11:51.845 Upfront surgery followed by chemotherapy

NOTE Confidence: 0.842747

00:11:51.845 --> 00:11:54.453 or some chemotherapy first followed by

NOTE Confidence: 0.842747

00:11:54.453 --> 00:11:56.503 surgery followed by more chemotherapy

NOTE Confidence: 0.842747

00:11:56.503 --> 00:11:58.143 and therewithal show essentially

NOTE Confidence: 0.842747

00:11:58.207 --> 00:12:00.174 the same thing that both arms of

NOTE Confidence: 0.842747

00:12:00.174 --> 00:12:01.894 this study showed equal survival,

NOTE Confidence: 0.842747

00:12:01.894 --> 00:12:04.079 both overall and progression free

NOTE Confidence: 0.842747

00:12:04.079 --> 00:12:06.738 survival and we've now gone on to

NOTE Confidence: 0.842747

00:12:06.738 --> 00:12:08.664 further analyze and try to identify

NOTE Confidence: 0.8572502

00:12:08.731 --> 00:12:10.526 for each individual woman who's

NOTE Confidence: 0.8572502

00:12:10.526 --> 00:12:12.780 best served by a primary surgery,

NOTE Confidence: 0.8572502

00:12:12.780 --> 00:12:15.030 who's best served by neoadjuvant

NOTE Confidence: 0.8572502

00:12:15.030 --> 00:12:17.218 chemotherapy and really trying to

NOTE Confidence: 0.8572502

00:12:17.218 --> 00:12:19.132 make sure that we're picking the

NOTE Confidence: 0.8572502

00:12:19.132 --> 00:12:21.278 right thing for the right patient.

NOTE Confidence: 0.8572502

00:12:21.280 --> 00:12:23.680 And not treating this as just one lump

NOTE Confidence: 0.8572502

00:12:23.680 --> 00:12:26.364 category of disease and with that has come

NOTE Confidence: 0.8572502

00:12:26.364 --> 00:12:28.799 the adoption of minimally invasive surgery.

NOTE Confidence: 0.8572502

00:12:28.800 --> 00:12:29.826 For ovarian cancer,

NOTE Confidence: 0.8572502

00:12:29.826 --> 00:12:31.467 you know, ten years ago,

NOTE Confidence: 0.8572502

00:12:31.467 --> 00:12:33.381 this is something we would really

NOTE Confidence: 0.8572502

00:12:33.381 --> 00:12:35.988 have not even considered or thought about.

NOTE Confidence: 0.8572502

00:12:35.990 --> 00:12:38.104 But as we're treating more and more

NOTE Confidence: 0.8572502

00:12:38.104 --> 00:12:39.750 women with neoadjuvant chemotherapy,

NOTE Confidence: 0.8572502

00:12:39.750 --> 00:12:41.682 we're seeing more and more women who

NOTE Confidence: 0.8572502

00:12:41.682 --> 00:12:43.850 may be good candidates to undergo

NOTE Confidence: 0.8572502

00:12:43.850 --> 00:12:45.558 a minimally invasive approach.

NOTE Confidence: 0.8572502

00:12:45.560 --> 00:12:48.296 So what is the role of robotic surgery?

NOTE Confidence: 0.8572502

00:12:48.300 --> 00:12:49.323 Minimally invasive surgery?

NOTE Confidence: 0.8572502

00:12:49.323 --> 00:12:50.904 In this disease, you know?

NOTE Confidence: 0.8572502

00:12:50.904 --> 00:12:52.843 For women who are not able to

NOTE Confidence: 0.8572502

00:12:52.843 --> 00:12:54.568 undergo that primary debulking

NOTE Confidence: 0.8572502

00:12:54.568 --> 00:12:56.420 surgery did individualy factors,

NOTE Confidence: 0.8572502

00:12:56.420 --> 00:12:58.166 there may be an opportunity to

NOTE Confidence: 0.8572502

00:12:58.166 --> 00:13:00.494 offer them a surgery with all the

NOTE Confidence: 0.8572502

00:13:00.494 --> 00:13:02.324 benefits of laparoscopy while still

NOTE Confidence: 0.8572502

00:13:02.324 --> 00:13:04.490 maintaining the same oncologic outcomes.

NOTE Confidence: 0.8572502

00:13:04.490 --> 00:13:06.938 And so we're very excited to see the

NOTE Confidence: 0.8572502

00:13:06.938 --> 00:13:08.780 development of randomized control trials

NOTE Confidence: 0.8572502

00:13:08.780 --> 00:13:11.510 that are going to answer this question.

NOTE Confidence: 0.8572502

00:13:11.510 --> 00:13:12.455 These are ongoing,

NOTE Confidence: 0.8572502

00:13:12.455 --> 00:13:15.061 but until then we continue to look for

NOTE Confidence: 0.8572502

00:13:15.061 --> 00:13:17.095 patients who are excellent candidates who

NOTE Confidence: 0.8572502

00:13:17.095 --> 00:13:20.187 may be able to benefit from a minimally

NOTE Confidence: 0.8572502

00:13:20.187 --> 00:13:21.799 invasive approach when carefully.

NOTE Confidence: 0.8572502

00:13:21.800 --> 00:13:23.900 Select it.

NOTE Confidence: 0.8572502

00:13:23.900 --> 00:13:24.988 One additional exciting advance

NOTE Confidence: 0.8572502

00:13:24.988 --> 00:13:27.000 in the way we do these interval

NOTE Confidence: 0.8572502

00:13:27.000 --> 00:13:28.615 surgeries is the incorporation of

NOTE Confidence: 0.8572502

00:13:28.615 --> 00:13:31.094 what is called heated or hyperthermic

NOTE Confidence: 0.8572502

00:13:31.094 --> 00:13:32.230 intraperitoneal chemotherapy.

NOTE Confidence: 0.8572502

00:13:32.230 --> 00:13:34.666 For those of you who've taken care

NOTE Confidence: 0.8572502

00:13:34.666 --> 00:13:36.516 of patients with appendix feel

NOTE Confidence: 0.8572502

00:13:36.516 --> 00:13:38.724 cancer with some of the other

NOTE Confidence: 0.8572502

00:13:38.724 --> 00:13:40.900 GI cancers you may be aware of.

NOTE Confidence: 0.8572502

00:13:40.900 --> 00:13:42.640 This technique for those diseases,

NOTE Confidence: 0.8572502

00:13:42.640 --> 00:13:44.305 but we've seen randomized evidence

NOTE Confidence: 0.8572502

00:13:44.305 --> 00:13:46.680 to show that in women who are

NOTE Confidence: 0.8572502

00:13:46.680 --> 00:13:47.964 carefully selected and offered

NOTE Confidence: 0.8572502

00:13:47.964 --> 00:13:50.270 this as part of their treatment,

NOTE Confidence: 0.8572502

00:13:50.270 --> 00:13:52.130 they actually experienced an improvement

NOTE Confidence: 0.8572502

00:13:52.130 --> 00:13:54.390 in their survival as well again.

NOTE Confidence: 0.8572502

00:13:54.390 --> 00:13:56.165 All about making the right

NOTE Confidence: 0.8572502

00:13:56.165 --> 00:13:57.940 selection for the right patient,

NOTE Confidence: 0.8572502

00:13:57.940 --> 00:13:59.715 taking into account all those

NOTE Confidence: 0.8572502

00:13:59.715 --> 00:14:00.780 individual life factors.

NOTE Confidence: 0.8572502

00:14:00.780 --> 00:14:04.182 This is not a one or one solution for

NOTE Confidence: 0.8572502

00:14:04.182 --> 00:14:07.286 every woman type of disease anymore.

NOTE Confidence: 0.8572502

00:14:07.290 --> 00:14:09.846 And just to finish off of what I think

NOTE Confidence: 0.8572502

00:14:09.846 --> 00:14:12.571 is probably some of the more exciting

NOTE Confidence: 0.8572502

00:14:12.571 --> 00:14:15.024 evidence and will sort of lupus

NOTE Confidence: 0.8572502

00:14:15.024 --> 00:14:17.034 into joann's discussion very nicely

NOTE Confidence: 0.8572502

00:14:17.034 --> 00:14:19.233 is really the role of maintenance

NOTE Confidence: 0.8572502

00:14:19.233 --> 00:14:21.219 therapy and how our understanding of

NOTE Confidence: 0.8572502

00:14:21.219 --> 00:14:23.965 the biology of the tumor is critical

NOTE Confidence: 0.8572502

00:14:23.965 --> 00:14:25.533 in assessing individualized treatment.

NOTE Confidence: 0.8572502

00:14:25.540 --> 00:14:27.000 Patients complete their chemotherapy.

NOTE Confidence: 0.8572502

00:14:27.000 --> 00:14:28.095 We know that.

NOTE Confidence: 0.8572502

00:14:28.100 --> 00:14:28.478 Unfortunately,

NOTE Confidence: 0.8572502

00:14:28.478 --> 00:14:31.124 most of our patients with advanced stage

NOTE Confidence: 0.8572502

00:14:31.124 --> 00:14:32.980 disease will experience a recurrence

NOTE Confidence: 0.8572502

00:14:32.980 --> 00:14:35.395 at some point in their cancer journey.

NOTE Confidence: 0.8572502

00:14:35.400 --> 00:14:37.952 So how can we extend that time between

NOTE Confidence: 0.8572502

00:14:37.952 --> 00:14:39.910 recurrences while maintaining excellent?

NOTE Confidence: 0.8572502

00:14:39.910 --> 00:14:40.927 Quality of life.

NOTE Confidence: 0.8572502

28

00:14:40.927 --> 00:14:43.808 I'm not going to get too much into

NOTE Confidence: 0.8572502

00:14:43.808 --> 00:14:46.400 the field of molecular biology here,

NOTE Confidence: 0.8572502

00:14:46.400 --> 00:14:48.794 but there are some very exciting

NOTE Confidence: 0.8572502

00:14:48.794 --> 00:14:51.290 studies showing that almost half of

NOTE Confidence: 0.8572502

00:14:51.290 --> 00:14:53.355 ovarian cancers are deficient in

NOTE Confidence: 0.8572502

00:14:53.355 --> 00:14:55.619 mechanisms that allow for DNA repair

NOTE Confidence: 0.8572502

00:14:55.619 --> 00:14:58.242 and without taking us all back to our

NOTE Confidence: 0.8572502

00:14:58.242 --> 00:14:59.770 undergraduate molecular biology course.

NOTE Confidence: 0.8572502

00:14:59.770 --> 00:15:00.154 Really.

NOTE Confidence: 0.8572502

00:15:00.154 --> 00:15:02.074 To just summarize that we're

NOTE Confidence: 0.8572502

00:15:02.074 --> 00:15:03.610 really exploiting the inherent

NOTE Confidence: 0.8572502

00:15:03.676 --> 00:15:05.541 problems with these cancer cells

NOTE Confidence: 0.8572502

00:15:05.541 --> 00:15:07.406 and turning them off themselves,

NOTE Confidence: 0.8572502

00:15:07.410 --> 00:15:09.365 and so through some very

NOTE Confidence: 0.8572502

00:15:09.365 --> 00:15:10.538 exciting preclinical and.

NOTE Confidence: 0.8572502

00:15:10.540 --> 00:15:12.315 Clinical trials we seen that

NOTE Confidence: 0.8572502

00:15:12.315 --> 00:15:13.735 these class of medications,

NOTE Confidence: 0.8328635

00:15:13.740 --> 00:15:14.748 called PARP inhibitors,

NOTE Confidence: 0.8328635

00:15:14.748 --> 00:15:17.540 which are an oral drug taken for two

NOTE Confidence: 0.8328635

00:15:17.540 --> 00:15:19.440 to three years after chemotherapy.

NOTE Confidence: 0.8328635

00:15:19.440 --> 00:15:21.095 I've had excellent results in

NOTE Confidence: 0.8328635

00:15:21.095 --> 00:15:22.419 allowing patients to experience

NOTE Confidence: 0.8328635

00:15:22.419 --> 00:15:24.070 a prolonged survival solo,

NOTE Confidence: 0.8328635

00:15:24.070 --> 00:15:26.008 one which was just published a

NOTE Confidence: 0.8328635

00:15:26.008 --> 00:15:28.148 couple of years ago with probably

NOTE Confidence: 0.8328635

00:15:28.148 --> 00:15:30.476 the most exciting of these trials.

NOTE Confidence: 0.8328635

00:15:30.480 --> 00:15:32.395 These were women exclusively with

NOTE Confidence: 0.8328635

00:15:32.395 --> 00:15:34.695 the bracket one and bracket two

NOTE Confidence: 0.8328635

00:15:34.695 --> 00:15:36.579 mutation either in their tumor or

NOTE Confidence: 0.8328635

00:15:36.579 --> 00:15:38.658 in their all of their country,

NOTE Confidence: 0.8328635

00:15:38.660 --> 00:15:40.928 or all their cells, or both.

NOTE Confidence: 0.8328635

00:15:40.930 --> 00:15:43.362 The germ line and when given for two

NOTE Confidence: 0.8328635

00:15:43.362 --> 00:15:45.999 years after they completed their treatment,

NOTE Confidence: 0.8328635

00:15:46.000 --> 00:15:47.648 they had significantly longer

NOTE Confidence: 0.8328635

00:15:47.648 --> 00:15:49.708 progression free survival than those

NOTE Confidence: 0.8328635

00:15:49.708 --> 00:15:51.787 women who went on to take placebo.

NOTE Confidence: 0.8328635

00:15:51.790 --> 00:15:54.430 And this is hot off the press from

NOTE Confidence: 0.8328635

00:15:54.430 --> 00:15:57.219 the Fgo meeting about 10 days ago.

NOTE Confidence: 0.8328635

00:15:57.220 --> 00:15:59.362 Really thrilling results to see the

NOTE Confidence: 0.8328635

00:15:59.362 --> 00:16:01.560 five year updates of this trial,

NOTE Confidence: 0.8328635

00:16:01.560 --> 00:16:03.779 and these are just numbers we never

NOTE Confidence: 0.8328635

00:16:03.779 --> 00:16:06.411 dreamed of seeing an ovarian cancer with

NOTE Confidence: 0.8328635

00:16:06.411 --> 00:16:08.436 patients were randomized to elaborate,

NOTE Confidence: 0.8328635

00:16:08.440 --> 00:16:09.920 having a median progression

NOTE Confidence: 0.8328635

00:16:09.920 --> 00:16:11.400 free survival of almost.

NOTE Confidence: 0.8328635

00:16:11.400 --> 00:16:13.050 Five years and you know,

NOTE Confidence: 0.8328635

00:16:13.050 --> 00:16:15.360 if we just think about the women,

00:16:15.360 --> 00:16:16.680 we've carefully over the

00:16:16.680 --> 00:16:18.000 years with ovarian cancer,

00:16:18.000 --> 00:16:19.655 to imagine telling someone after

00:16:19.655 --> 00:16:21.687 their initial treatment to expect a

00:16:21.687 --> 00:16:23.277 five year progression free survival.

00:16:23.280 --> 00:16:24.600 Let's just, you know,

00:16:24.600 --> 00:16:24.930 really,

00:16:24.930 --> 00:16:26.565 thrilling stuff that we could

00:16:26.565 --> 00:16:28.560 have never imagined in the past.

00:16:28.560 --> 00:16:30.474 There's still a role for these

00:16:30.474 --> 00:16:32.147 types of medications and women

00:16:32.147 --> 00:16:33.837 who are not bracket carriers.

00:16:33.840 --> 00:16:35.954 Which is why we are very diligent

00:16:35.954 --> 00:16:37.730 about testing tumors and understanding

00:16:37.730 --> 00:16:39.342 the unique characteristics of

00:16:39.342 --> 00:16:41.410 every woman's of varying cancer.

NOTE Confidence: 0.8328635

00:16:41.410 --> 00:16:43.578 Earth data to support the use of these

NOTE Confidence: 0.8328635

00:16:43.578 --> 00:16:45.966 drugs in all comers with ovarian cancer,

NOTE Confidence: 0.8328635

00:16:45.970 --> 00:16:47.425 but the strength of those

NOTE Confidence: 0.8328635

00:16:47.425 --> 00:16:48.880 recommendations in the data is

NOTE Confidence: 0.8328635

00:16:48.932 --> 00:16:50.798 certainly less for those women who

NOTE Confidence: 0.8328635

00:16:50.798 --> 00:16:52.398 don't have these inherent mutations

NOTE Confidence: 0.8328635

00:16:52.398 --> 00:16:54.174 or changes in their tumor DNA.

NOTE Confidence: 0.8328635

00:16:54.180 --> 00:16:56.476 So we take the time to really explore

NOTE Confidence: 0.8328635

00:16:56.476 --> 00:16:58.950 that so we can offer women as much

NOTE Confidence: 0.8328635

00:16:58.950 --> 00:17:01.157 education and data so they can make

NOTE Confidence: 0.8328635

00:17:01.157 --> 00:17:03.299 a decision about how they want to,

NOTE Confidence: 0.8328635

00:17:03.300 --> 00:17:07.234 how they want to manage their care.

NOTE Confidence: 0.8328635

00:17:07.240 --> 00:17:09.305 This circle back to that figure that

NOTE Confidence: 0.8328635

00:17:09.305 --> 00:17:11.388 we talked about in the beginning and

NOTE Confidence: 0.8328635

00:17:11.388 --> 00:17:13.474 to just highlight some of the things

NOTE Confidence: 0.8328635

00:17:13.474 --> 00:17:15.412 we've talked about tonight and how

NOTE Confidence: 0.8328635

00:17:15.412 --> 00:17:17.502 we're trying to pull this graph from

NOTE Confidence: 0.8328635

00:17:17.502 --> 00:17:19.750 side to side and extend the survival.

NOTE Confidence: 0.8328635

00:17:19.750 --> 00:17:21.580 We hope through perhaps one day

NOTE Confidence: 0.8328635

00:17:21.580 --> 00:17:23.460 being able to do self inject

NOTE Confidence: 0.8328635

00:17:23.460 --> 00:17:25.532 to me or to continue doing BS.

NOTE Confidence: 0.8328635

00:17:25.540 --> 00:17:27.370 So now we're able to prevent

NOTE Confidence: 0.8328635

00:17:27.370 --> 00:17:28.590 ovarian cancer from developing,

NOTE Confidence: 0.8328635

00:17:28.590 --> 00:17:30.543 were able to improve the treatment of

NOTE Confidence: 0.8328635

00:17:30.543 --> 00:17:32.474 women when they are diagnosed with

NOTE Confidence: 0.8328635

00:17:32.474 --> 00:17:34.205 their disease. Anthru PARP inhibition.

NOTE Confidence: 0.8328635

00:17:34.205 --> 00:17:36.620 We hope to extend that survival for

NOTE Confidence: 0.8328635

00:17:36.687 --> 00:17:38.675 women for many many years to come.

NOTE Confidence: 0.8328635

00:17:38.680 --> 00:17:40.913 And so there's still a lot of

NOTE Confidence: 0.8328635

00:17:40.913 --> 00:17:42.130 exciting work going on,

NOTE Confidence: 0.8328635

00:17:42.130 --> 00:17:44.490 and I hope we can go back to you next

NOTE Confidence: 0.8328635

00:17:44.561 --> 00:17:47.067 year with an update that just shows

NOTE Confidence: 0.8328635

00:17:47.067 --> 00:17:49.040 that we're measuring the survival.

NOTE Confidence: 0.8328635

00:17:49.040 --> 00:17:50.930 And many many many, many years.

NOTE Confidence: 0.8328635

00:17:50.930 --> 00:17:53.290 So with that I thank you so much

NOTE Confidence: 0.8328635

00:17:53.290 --> 00:17:55.268 for listening and will hand things

NOTE Confidence: 0.8328635

00:17:55.268 --> 00:17:56.890 over to Joanna. Any questions.

NOTE Confidence: 0.8328635

00:17:56.890 --> 00:17:58.780 Right now we can take them.

NOTE Confidence: 0.8328635

00:17:58.780 --> 00:18:00.380 Otherwise we're going to have

NOTE Confidence: 0.8328635

00:18:00.380 --> 00:18:01.980 a great Q&A session at

NOTE Confidence: 0.856386

00:18:02.047 --> 00:18:02.539 the end.

NOTE Confidence: 0.81783515

00:18:07.460 --> 00:18:09.476 I don't think we have any questions to

NOTE Confidence: 0.81783515

00:18:09.476 --> 00:18:13.190 Joanna. Maybe you want to lead us in sure.

NOTE Confidence: 0.86822647

00:18:13.190 --> 00:18:14.534 You're my slides here.

NOTE Confidence: 0.86822647

00:18:14.534 --> 00:18:17.188 Thank you so much, Doctor Clark for the

NOTE Confidence: 0.86822647

00:18:17.188 --> 00:18:19.550 opportunity and for inviting me to join

NOTE Confidence: 0.86822647

00:18:19.550 --> 00:18:21.584 you guys tonight and Doctor Ratner.

NOTE Confidence: 0.86822647

00:18:21.590 --> 00:18:23.606 Thank you for the nice opening.

NOTE Confidence: 0.86822647

00:18:23.610 --> 00:18:25.584 Welcome, and so I will certainly

NOTE Confidence: 0.86822647

00:18:25.584 --> 00:18:28.309 try to keep my talk to 15 minutes.

NOTE Confidence: 0.86822647

00:18:28.310 --> 00:18:30.026 But if there are any questions

NOTE Confidence: 0.86822647

00:18:30.026 --> 00:18:32.010 at all during the presentation,

NOTE Confidence: 0.86822647

00:18:32.010 --> 00:18:34.430 there is a Q&A.

NOTE Confidence: 0.86822647

00:18:34.430 --> 00:18:36.425 Section at the bottom of your screen

NOTE Confidence: 0.86822647

00:18:36.425 --> 00:18:38.288 and you can type in a question

NOTE Confidence: 0.86822647

00:18:38.288 --> 00:18:40.170 and we will get to it either

NOTE Confidence: 0.86822647

00:18:40.170 --> 00:18:42.145 during the presentation or after.

NOTE Confidence: 0.86822647

00:18:42.150 --> 00:18:44.190 So I wanted to talk a little bit

NOTE Confidence: 0.86822647

00:18:44.190 --> 00:18:45.778 more about genetics and Joanne

NOTE Confidence: 0.86822647

00:18:45.778 --> 00:18:47.800 Oncology and my name is Joanna.

NOTE Confidence: 0.86822647

00:18:47.800 --> 00:18:49.280 I am a physician assistant

NOTE Confidence: 0.86822647

36

00:18:49.280 --> 00:18:50.464 trained at Quinnipiac University.

NOTE Confidence: 0.86822647

00:18:50.470 --> 00:18:52.090 I graduated in 2008 and I've

NOTE Confidence: 0.86822647

00:18:52.090 --> 00:18:53.874 been part of the practice at

NOTE Confidence: 0.86822647

00:18:53.874 --> 00:18:55.806 Yale for about three years now,

NOTE Confidence: 0.86822647

00:18:55.810 --> 00:18:57.295 so I'm thrilled to share

NOTE Confidence: 0.86822647

00:18:57.295 --> 00:18:58.483 some information with you.

NOTE Confidence: 0.86822647

00:18:58.490 --> 00:19:01.320 I have no disclosures tonight.

NOTE Confidence: 0.86822647

00:19:01.320 --> 00:19:04.064 So we're learning more and more about the

NOTE Confidence: 0.86822647

00:19:04.064 --> 00:19:06.629 genetics of gynaecologic cancers and so.

NOTE Confidence: 0.86822647

00:19:06.630 --> 00:19:07.362 Of course,

NOTE Confidence: 0.86822647

00:19:07.362 --> 00:19:09.192 for the for probably about

NOTE Confidence: 0.86822647

00:19:09.192 --> 00:19:11.170 20 to 25 years now.

NOTE Confidence: 0.86822647

00:19:11.170 --> 00:19:13.065 We've known about the bracket

NOTE Confidence: 0.86822647

00:19:13.065 --> 00:19:14.960 one and bracket two genes,

NOTE Confidence: 0.86822647

00:19:14.960 --> 00:19:16.910 but we're finding out about the

NOTE Confidence: 0.86822647

00:19:16.910 --> 00:19:18.771 additional genes that are implicated

NOTE Confidence: 0.86822647

00:19:18.771 --> 00:19:21.026 in gynaecologic cancers, pal B2,

NOTE Confidence: 0.86822647

00:19:21.026 --> 00:19:23.294 brip one, the RAD 51 jeans,

NOTE Confidence: 0.86822647

00:19:23.300 --> 00:19:24.820 and some other ones.

NOTE Confidence: 0.86822647

00:19:24.820 --> 00:19:27.100 So these mostly lead to increased

NOTE Confidence: 0.86822647

00:19:27.174 --> 00:19:28.608 risk of breast, ovarian,

NOTE Confidence: 0.86822647

00:19:28.608 --> 00:19:30.498 fallopian tube, and peritoneal cancer,

NOTE Confidence: 0.86822647

00:19:30.500 --> 00:19:32.470 as well as possibly pancreatic.

NOTE Confidence: 0.86822647

00:19:32.470 --> 00:19:33.760 And prostate cancer.

NOTE Confidence: 0.86822647

00:19:33.760 --> 00:19:35.910 And in bracket two specifically.

NOTE Confidence: 0.86822647

00:19:35.910 --> 00:19:37.466 A risk of Melanoma.

NOTE Confidence: 0.86822647

00:19:37.466 --> 00:19:40.340 You may know about the Lynch syndrome

NOTE Confidence: 0.86822647

00:19:40.340 --> 00:19:43.518 genes or the DNA mismatch repair genes

NOTE Confidence: 0.86822647

00:19:43.518 --> 00:19:46.539 that can lead to multiple cancers.

NOTE Confidence: 0.86822647

00:19:46.540 --> 00:19:48.913 We often think about the GI cancers

NOTE Confidence: 0.86822647

00:19:48.913 --> 00:19:51.320 like bowel or colorectal cancers,

NOTE Confidence: 0.86822647

00:19:51.320 --> 00:19:54.480 but also endometrial Arian cancers.

NOTE Confidence: 0.86822647

00:19:54.480 --> 00:19:56.418 Some of the less common genetic

NOTE Confidence: 0.86822647

00:19:56.418 --> 00:19:58.373 syndromes that we learn about our

NOTE Confidence: 0.86822647

00:19:58.373 --> 00:20:00.179 leaf from many syndrome or TP5.

NOTE Confidence: 0.86822647

00:20:00.180 --> 00:20:02.190 The three mutations Cowden syndrome

NOTE Confidence: 0.86822647

00:20:02.190 --> 00:20:04.200 or PTN and Pronunciator syndrome,

NOTE Confidence: 0.86822647

00:20:04.200 --> 00:20:07.818 which is the STK 11 or LKB one jeans.

NOTE Confidence: 0.86822647

00:20:07.820 --> 00:20:10.448 So these can have multiple different

NOTE Confidence: 0.86822647

00:20:10.448 --> 00:20:13.734 types of cancer and even benign tumors

NOTE Confidence: 0.86822647

00:20:13.734 --> 00:20:17.129 that affect women with put Seager syndrome.

NOTE Confidence: 0.86822647

00:20:17.130 --> 00:20:18.930 When we think about the inherited

NOTE Confidence: 0.86822647

00:20:18.930 --> 00:20:20.690 breast and ovarian cancer syndromes,

NOTE Confidence: 0.86822647

00:20:20.690 --> 00:20:23.243 we think about about 15 to 20% of

NOTE Confidence: 0.86822647

00:20:23.243 --> 00:20:24.658 ovarian cancers being caused by

NOTE Confidence: 0.86822647

00:20:24.658 --> 00:20:26.945 a BRCA or or similar mutation and

NOTE Confidence: 0.86822647

00:20:26.945 --> 00:20:29.117 about the same for breast cancer.

NOTE Confidence: 0.86822647

00:20:29.120 --> 00:20:30.938 One of the differences is that

NOTE Confidence: 0.86822647

00:20:30.938 --> 00:20:32.916 breast cancer also can have more

NOTE Confidence: 0.86822647

00:20:32.916 --> 00:20:34.686 familial clustering where you can

NOTE Confidence: 0.86822647

00:20:34.686 --> 00:20:36.416 see these families with multiple

NOTE Confidence: 0.86822647

00:20:36.416 --> 00:20:38.537 cases of breast cancer but may not

NOTE Confidence: 0.86822647

00:20:38.537 --> 00:20:40.116 have a specific gene identified,

NOTE Confidence: 0.86822647

00:20:40.116 --> 00:20:42.420 and we can also see that in

NOTE Confidence: 0.86822647

00:20:42.420 --> 00:20:43.696 ovarian cancer as well,

NOTE Confidence: 0.86822647

00:20:43.700 --> 00:20:46.445 we do see women who have a couple different

NOTE Confidence: 0.86822647

00:20:46.445 --> 00:20:48.520 family members with ovarian cancer.

NOTE Confidence: 0.86822647

00:20:48.520 --> 00:20:50.920 But no gene identified yet.

NOTE Confidence: 0.86822647

00:20:50.920 --> 00:20:53.573 So there's probably still more down the

NOTE Confidence: 0.86822647

00:20:53.573 --> 00:20:57.050 road that we will learn about with the time.

NOTE Confidence: 0.86822647

00:20:57.050 --> 00:20:58.620 The risks this is probably

NOTE Confidence: 0.86822647

00:20:58.620 --> 00:20:59.876 a little outdated now.

NOTE Confidence: 0.86822647

00:20:59.880 --> 00:21:01.450 Now this is from 2018,

NOTE Confidence: 0.86822647

00:21:01.450 --> 00:21:03.020 but we are, you know,

NOTE Confidence: 0.86822647

00:21:03.020 --> 00:21:04.308 learning more each year.

NOTE Confidence: 0.86822647

00:21:04.308 --> 00:21:06.944 The risk with BRCA one and BRCA two

NOTE Confidence: 0.86822647

00:21:06.944 --> 00:21:08.840 in regards to ovarian cancers is

NOTE Confidence: 0.86822647

00:21:08.840 --> 00:21:11.200 about 40 to 50% risk but lots of

NOTE Confidence: 0.86822647

00:21:11.200 --> 00:21:13.120 different numbers that we see for

NOTE Confidence: 0.8324842

00:21:13.188 --> 00:21:15.144 Braca one anfar bracket two a

NOTE Confidence: 0.8324842

00:21:15.144 --> 00:21:17.366 little bit lower risk and also a

NOTE Confidence: 0.8324842

00:21:17.366 --> 00:21:19.340 little bit later in life than the

NOTE Confidence: 0.8324842

00:21:19.340 --> 00:21:21.230 Bracco one risk for ovarian cancer.

NOTE Confidence: 0.84107476

00:21:25.920 --> 00:21:28.188 I'm actually going to skip this slide

NOTE Confidence: 0.84107476

00:21:28.188 --> 00:21:30.778 so it's a really important to test

NOTE Confidence: 0.84107476

00:21:30.778 --> 00:21:33.875 for test for the BRCA mutations in are

NOTE Confidence: 0.84107476

00:21:33.875 --> 00:21:35.993 any woman with an ovarian cancers,

NOTE Confidence: 0.84107476

00:21:36.000 --> 00:21:38.160 especially high grade serous ovarian cancer.

NOTE Confidence: 0.84107476

00:21:38.160 --> 00:21:40.666 But really now the recommendation is any

NOTE Confidence: 0.84107476

00:21:40.666 --> 00:21:42.961 ovarian cancer type should have genetic

NOTE Confidence: 0.84107476

00:21:42.961 --> 00:21:45.283 counseling and offer genetic testing not

NOTE Confidence: 0.84107476

00:21:45.283 --> 00:21:47.670 only because it can help the patients

NOTE Confidence: 0.84107476

00:21:47.670 --> 00:21:49.680 in regards to knowing their prognosis.

NOTE Confidence: 0.84107476

00:21:49.680 --> 00:21:50.760 Knowing their decisions,

NOTE Confidence: 0.84107476

00:21:50.760 --> 00:21:53.385 for example as Doctor Clark mentioned the.

NOTE Confidence: 0.84107476

00:21:53.390 --> 00:21:55.455 Carpet hitters and also being able to

NOTE Confidence: 0.84107476

00:21:55.455 --> 00:21:57.620 put the patient into long term remission

NOTE Confidence: 0.84107476

00:21:57.620 --> 00:22:00.135 and at that point we sometimes now are

NOTE Confidence: 0.84107476

00:22:00.135 --> 00:22:02.001 preventing other cancers that we do

NOTE Confidence: 0.84107476

00:22:02.001 --> 00:22:03.854 have ovarian cancer survivors who are

NOTE Confidence: 0.84107476

00:22:03.854 --> 00:22:06.058 doing well from their disease and are

NOTE Confidence: 0.84107476

00:22:06.058 --> 00:22:07.924 now having a risk reducing mastectomy

NOTE Confidence: 0.84107476

00:22:07.924 --> 00:22:09.709 to prevent breast cancer as well.

NOTE Confidence: 0.84107476

00:22:09.710 --> 00:22:10.362 Of course,

NOTE Confidence: 0.84107476

00:22:10.362 --> 00:22:12.318 it's important for the relatives to

NOTE Confidence: 0.84107476

00:22:12.318 --> 00:22:14.803 know as well so that if there is a

NOTE Confidence: 0.84107476

00:22:14.803 --> 00:22:16.624 mutation in the patient's DNA then

NOTE Confidence: 0.84107476

00:22:16.624 --> 00:22:18.616 they can have cascade testing in

NOTE Confidence: 0.84107476

00:22:18.616 --> 00:22:20.462 the rest of the family members and

NOTE Confidence: 0.84107476

00:22:20.462 --> 00:22:22.341 who can also have risk reducing

NOTE Confidence: 0.84107476

00:22:22.341 --> 00:22:23.568 or prevention strategies.

NOTE Confidence: 0.8505517

00:22:26.300 --> 00:22:28.636 So again, the most common thing that we

NOTE Confidence: 0.8505517

00:22:28.636 --> 00:22:31.267 like to talk about is hereditary breast,

NOTE Confidence: 0.8505517

00:22:31.270 --> 00:22:32.938 ovarian and pancreatic cancer.

NOTE Confidence: 0.8505517

00:22:32.938 --> 00:22:34.606 Specifically the BRCA one

NOTE Confidence: 0.8505517

00:22:34.606 --> 00:22:36.689 and two genetic mutations.

NOTE Confidence: 0.8505517

00:22:36.690 --> 00:22:39.056 More common than we used to think,

NOTE Confidence: 0.8505517

00:22:39.060 --> 00:22:40.760 so depending on the source,

NOTE Confidence: 0.8505517

00:22:40.760 --> 00:22:42.630 we're now learning that there

NOTE Confidence: 0.8505517

00:22:42.630 --> 00:22:44.858 is a bracket mutation present in

NOTE Confidence: 0.8505517

00:22:44.858 --> 00:22:46.860 about 1 in 200 people in general,

NOTE Confidence: 0.8505517

00:22:46.860 --> 00:22:48.560 and in the Ashkenazi Jewish

NOTE Confidence: 0.8505517

00:22:48.560 --> 00:22:50.659 population about one in 20 people

NOTE Confidence: 0.8505517

00:22:50.659 --> 00:22:52.663 may carry a mutation in bracket

NOTE Confidence: 0.8505517

00:22:52.663 --> 00:22:54.620 one or bracket two, so really,

NOTE Confidence: 0.8505517

00:22:54.620 --> 00:22:57.710 really not as rare as we used to think.

NOTE Confidence: 0.8505517

00:22:57.710 --> 00:22:59.226 Recommendation again from the

NOTE Confidence: 0.8505517

00:22:59.226 --> 00:23:01.500 Cancer Network and this Society of

NOTE Confidence: 0.8505517

00:23:01.565 --> 00:23:03.550 Joanne Oncology is for universal

NOTE Confidence: 0.8505517

00:23:03.550 --> 00:23:05.138 genetic counseling and testing

NOTE Confidence: 0.8505517

00:23:05.138 --> 00:23:07.199 for anyone with ovarian cancer.

NOTE Confidence: 0.8505517

00:23:07.200 --> 00:23:08.575 Another important thing to remember

NOTE Confidence: 0.8505517

00:23:08.575 --> 00:23:10.449 is that they are not the same,

NOTE Confidence: 0.8505517

00:23:10.450 --> 00:23:12.249 so Braca one is not treated or

NOTE Confidence: 0.8505517

00:23:12.249 --> 00:23:13.925 or prevention is not the same

00:23:13.925 --> 00:23:15.330 as the bracket two patients.

00:23:15.330 --> 00:23:17.498 So we have to take that into consideration.

00:23:19.650 --> 00:23:21.110 Lynch syndrome is the same.

00:23:21.110 --> 00:23:22.274 There are different genes,

00:23:22.274 --> 00:23:24.020 and they're not all the same,

00:23:24.020 --> 00:23:25.728 so we need to make sure that

00:23:25.728 --> 00:23:27.257 we're not treating each Lynch

00:23:27.257 --> 00:23:28.376 syndrome patient equally.

00:23:28.380 --> 00:23:32.088 And I'll show you a nice sample of that.

00:23:32.090 --> 00:23:33.542 On the next slide,

00:23:33.542 --> 00:23:34.994 genetic testing is recommended

00:23:34.994 --> 00:23:37.015 for women with endometrial cancer

00:23:37.015 --> 00:23:39.055 or colorectal cancer as well,

00:23:39.060 --> 00:23:40.715 men and remote colorectal cancer

00:23:40.715 --> 00:23:42.796 who have evidence of what's called

NOTE Confidence: 0.82584774

00:23:42.796 --> 00:23:43.888 microsatellite instability or

NOTE Confidence: 0.82584774

00:23:43.888 --> 00:23:46.072 a loss of DNA mismatch repair

NOTE Confidence: 0.82584774

00:23:46.136 --> 00:23:47.960 proteins on immunohistochemistry.

NOTE Confidence: 0.82584774

00:23:47.960 --> 00:23:51.048 So this is where now every colon cancer,

NOTE Confidence: 0.82584774

00:23:51.050 --> 00:23:53.378 an every endometrial cancer is getting.

NOTE Confidence: 0.82584774

00:23:53.380 --> 00:23:55.310 This special testing the microsatellite,

NOTE Confidence: 0.82584774

00:23:55.310 --> 00:23:57.644 testing the IHC an if it's

NOTE Confidence: 0.82584774

00:23:57.644 --> 00:23:59.950 identified that they have an issue.

NOTE Confidence: 0.82584774

00:23:59.950 --> 00:24:02.446 They will then go for genetic

NOTE Confidence: 0.82584774

00:24:02.446 --> 00:24:04.904 testing and counseling to see if

NOTE Confidence: 0.82584774

00:24:04.904 --> 00:24:07.058 they carry a germ line lynched.

NOTE Confidence: 0.82584774

00:24:07.060 --> 00:24:10.620 Premutation so the the National

NOTE Confidence: 0.82584774

00:24:10.620 --> 00:24:12.160 Comprehensive Cancer Network has

NOTE Confidence: 0.82584774

00:24:12.160 --> 00:24:14.038 really nice tables and guidelines

NOTE Confidence: 0.82584774

00:24:14.038 --> 00:24:16.132 for the prevention of cancer and

NOTE Confidence: 0.82584774

00:24:16.132 --> 00:24:18.641 the risks of cancer in both the BRCA

NOTE Confidence: 0.82584774

00:24:18.641 --> 00:24:20.246 mutations and the other mutations

NOTE Confidence: 0.82584774

00:24:20.246 --> 00:24:22.334 as well for HBO See syndrome,

NOTE Confidence: 0.82584774

00:24:22.340 --> 00:24:24.090 but also for Lynch syndrome.

NOTE Confidence: 0.82584774

00:24:24.090 --> 00:24:26.533 So I'm just giving you one example

NOTE Confidence: 0.82584774

00:24:26.533 --> 00:24:27.580 of the MLH,

NOTE Confidence: 0.82584774

00:24:27.580 --> 00:24:30.036 one which is the one of the more

NOTE Confidence: 0.82584774

00:24:30.036 --> 00:24:32.260 common Lynch syndrome genes and it

NOTE Confidence: 0.82584774

00:24:32.260 --> 00:24:34.558 gives you a specific cancer risks,

NOTE Confidence: 0.82584774

00:24:34.560 --> 00:24:36.982 or at least ranges of risk compared

NOTE Confidence: 0.82584774

00:24:36.982 --> 00:24:38.792 to general population for each

NOTE Confidence: 0.82584774

00:24:38.792 --> 00:24:40.208 of the associated cancers.

NOTE Confidence: 0.82584774

00:24:40.210 --> 00:24:42.298 And what's really important to know

NOTE Confidence: 0.82584774

00:24:42.298 --> 00:24:45.156 is that MLH one has a higher risk

NOTE Confidence: 0.82584774

00:24:45.156 --> 00:24:47.244 of many cancers than for example,

NOTE Confidence: 0.82584774

00:24:47.250 --> 00:24:47.936 PMS two.

NOTE Confidence: 0.82584774

00:24:47.936 --> 00:24:49.994 So it's not just Lynch syndrome

NOTE Confidence: 0.82584774

00:24:49.994 --> 00:24:51.829 is 1 size fits all.

NOTE Confidence: 0.8550364

00:24:54.530 --> 00:24:56.426 So what are the guidelines for

NOTE Confidence: 0.8550364

00:24:56.426 --> 00:24:58.181 identifying who should be screened

NOTE Confidence: 0.8550364

00:24:58.181 --> 00:24:59.897 for genetic cancer syndromes?

NOTE Confidence: 0.8550364

00:24:59.900 --> 00:25:02.406 Well, I'm just going to go over

NOTE Confidence: 0.8550364

00:25:02.406 --> 00:25:05.268 briefly in the next 10 minutes or so.

NOTE Confidence: 0.8550364

00:25:05.270 --> 00:25:06.698 The guidelines from ACOG,

NOTE Confidence: 0.8550364

00:25:06.698 --> 00:25:07.769 the National Comprehensive

NOTE Confidence: 0.8550364

00:25:07.769 --> 00:25:09.564 Cancer Network, the USPS TF,

NOTE Confidence: 0.8550364

00:25:09.564 --> 00:25:11.354 and Society of Duane Oncology.

NOTE Confidence: 0.8722578

00:25:14.160 --> 00:25:17.016 In a committee opinion piece from 2011,

NOTE Confidence: 0.8722578

00:25:17.020 --> 00:25:19.330 there were just very general guidelines

NOTE Confidence: 0.8722578

00:25:19.330 --> 00:25:21.338 that women should have family

NOTE Confidence: 0.8722578

00:25:21.338 --> 00:25:23.328 history evaluation as a screening

NOTE Confidence: 0.8722578

00:25:23.328 --> 00:25:25.876 tool should be reviewed and updated

NOTE Confidence: 0.8722578

00:25:25.876 --> 00:25:27.660 regularly and when appropriate,

NOTE Confidence: 0.8722578

00:25:27.660 --> 00:25:29.670 further evaluation should be considered

NOTE Confidence: 0.8722578

00:25:29.670 --> 00:25:32.160 and referral to genetics as needed.

NOTE Confidence: 0.8722578

00:25:32.160 --> 00:25:34.614 That was updated with a lot

NOTE Confidence: 0.8722578

00:25:34.614 --> 00:25:36.250 more information in 2019.

NOTE Confidence: 0.8722578

00:25:36.250 --> 00:25:39.194 So this is kind of talking about you

NOTE Confidence: 0.8722578

00:25:39.194 --> 00:25:41.967 know every patient in your practice.

NOTE Confidence: 0.8722578

00:25:41.970 --> 00:25:44.676 In general, Obi Wan should have

NOTE Confidence: 0.8722578

00:25:44.676 --> 00:25:46.480 a hereditary risk assessment.

NOTE Confidence: 0.8722578

00:25:46.480 --> 00:25:48.622 Taking a good family history and

NOTE Confidence: 0.8722578

00:25:48.622 --> 00:25:50.503 if there's suggested that there's

NOTE Confidence: 0.8722578

00:25:50.503 --> 00:25:52.831 an increased risk of a hereditary

NOTE Confidence: 0.8722578

00:25:52.831 --> 00:25:54.859 syndrome referring to a specialist,

NOTE Confidence: 0.8722578

00:25:54.860 --> 00:25:57.908 or if you have the expertise in genetics,

NOTE Confidence: 0.8722578

00:25:57.910 --> 00:26:00.196 then or someone in your practice.

NOTE Confidence: 0.8722578

00:26:00.200 --> 00:26:00.906 For example,

NOTE Confidence: 0.8722578

00:26:00.906 --> 00:26:03.377 a practice nurse can give that counseling

NOTE Confidence: 0.8722578

00:26:03.377 --> 00:26:05.721 and make an educated decision about

NOTE Confidence: 0.8722578

00:26:05.721 --> 00:26:07.641 genetic testing for the patient

NOTE Confidence: 0.8722578

00:26:07.706 --> 00:26:09.716 or the appropriate family member.

NOTE Confidence: 0.85847867

00:26:11.940 --> 00:26:13.970 We are now doing more multigene testing,

NOTE Confidence: 0.85847867

00:26:13.970 --> 00:26:16.178 so this is panel testing as opposed to

NOTE Confidence: 0.85847867

00:26:16.178 --> 00:26:18.607 just the Braca one and bracket two test.

NOTE Confidence: 0.85847867

00:26:18.610 --> 00:26:20.060 It's much more affordable than

NOTE Confidence: 0.85847867

00:26:20.060 --> 00:26:22.423 it used to be and the tests are

NOTE Confidence: 0.85847867

00:26:22.423 --> 00:26:24.115 better than they used to be,

NOTE Confidence: 0.85847867

00:26:24.120 --> 00:26:25.824 so we also recommend that people

NOTE Confidence: 0.85847867

00:26:25.824 --> 00:26:27.307 who had genetic testing before

NOTE Confidence: 0.85847867

00:26:27.307 --> 00:26:28.777 about 2012 be offered updated

NOTE Confidence: 0.85847867

00:26:28.777 --> 00:26:30.844 panel testing to make sure that we

NOTE Confidence: 0.85847867

00:26:30.844 --> 00:26:32.239 didn't miss anything back then.

NOTE Confidence: 0.8818833

00:26:34.720 --> 00:26:36.586 Another guideline talks about the importance

NOTE Confidence: 0.8818833

00:26:36.586 --> 00:26:38.968 of pre test and post test counseling,

NOTE Confidence: 0.8818833

00:26:38.970 --> 00:26:41.259 so I know these are busy slides,

NOTE Confidence: 0.8818833

00:26:41.260 --> 00:26:43.290 but talking about you know what it

NOTE Confidence: 0.8818833

00:26:43.290 --> 00:26:45.169 means to have genetic testing what

NOTE Confidence: 0.8818833

00:26:45.169 --> 00:26:47.800 the result might be and what it might

NOTE Confidence: 0.8818833

00:26:47.800 --> 00:26:49.978 mean for their family for themselves

NOTE Confidence: 0.8818833

00:26:49.978 --> 00:26:52.147 for their medical insurance and life

NOTE Confidence: 0.8818833

00:26:52.147 --> 00:26:54.301 insurance and how to communicate those

NOTE Confidence: 0.8818833

00:26:54.301 --> 00:26:56.210 results to the patient and counsel

NOTE Confidence: 0.8818833

00:26:56.210 --> 00:26:58.260 them after the test results are back.

NOTE Confidence: 0.86296254

00:27:01.940 --> 00:27:03.626 If there is a clinically significant

NOTE Confidence: 0.86296254

00:27:03.626 --> 00:27:05.102 mutation, patients should really be

NOTE Confidence: 0.86296254

00:27:05.102 --> 00:27:06.890 encouraged to share the results with

NOTE Confidence: 0.86296254

00:27:06.945 --> 00:27:08.460 their family members and recommend

NOTE Confidence: 0.86296254

00:27:08.460 --> 00:27:10.490 that the family members also be tested

NOTE Confidence: 0.86296254

00:27:10.490 --> 00:27:12.338 and that can be really hard to manage.

NOTE Confidence: 0.86296254

00:27:12.340 --> 00:27:14.788 The question is, am I then as the provider

NOTE Confidence: 0.86296254

00:27:14.788 --> 00:27:16.267 responsible for the family members?

NOTE Confidence: 0.86296254

00:27:16.270 --> 00:27:17.755 And that's sometimes where a

NOTE Confidence: 0.86296254

00:27:17.755 --> 00:27:19.240 genetic counselor can really help

NOTE Confidence: 0.86296254

00:27:19.291 --> 00:27:20.486 you by drafting a letter,

NOTE Confidence: 0.86296254

00:27:20.490 --> 00:27:22.450 the patient can give the letter to

NOTE Confidence: 0.86296254

00:27:22.450 --> 00:27:24.222 their family members and they can

NOTE Confidence: 0.86296254

00:27:24.222 --> 00:27:25.968 help share the information for how

NOTE Confidence: 0.86296254

00:27:25.968 --> 00:27:27.786 everybody in the family can get tested.

NOTE Confidence: 0.86938983

00:27:30.260 --> 00:27:32.180 The USPS TF recommendations were

NOTE Confidence: 0.86938983

00:27:32.180 --> 00:27:34.910 updated about a year and a half ago,

NOTE Confidence: 0.86938983

00:27:34.910 --> 00:27:37.046 and this was in 2019 and one of

NOTE Confidence: 0.86938983

00:27:37.046 --> 00:27:39.019 the biggest changes to this was

NOTE Confidence: 0.86938983

00:27:39.019 --> 00:27:40.729 when collecting a family history

NOTE Confidence: 0.86938983

00:27:40.729 --> 00:27:43.040 to also collect information about

NOTE Confidence: 0.86938983

00:27:43.040 --> 00:27:44.940 any Ashkenazi Jewish ancestry.

NOTE Confidence: 0.86938983

00:27:44.940 --> 00:27:47.173 So really, that should be one of

NOTE Confidence: 0.86938983

00:27:47.173 --> 00:27:49.044 your questions on the screening

NOTE Confidence: 0.86938983

00:27:49.044 --> 00:27:50.310 for family history.

NOTE Confidence: 0.86938983

00:27:50.310 --> 00:27:53.166 Do you have any family history of cancer?

NOTE Confidence: 0.86938983

00:27:53.170 --> 00:27:55.677 What types of cancer, what relatives? And?

NOTE Confidence: 0.86938983

00:27:55.677 --> 00:27:58.533 Is there any Jewish ancestry in your family?

NOTE Confidence: 0.86938983

00:27:58.540 --> 00:28:00.736 So that's one of the biggest.

NOTE Confidence: 0.86938983

00:28:00.740 --> 00:28:03.620 Updates in the guidelines.

NOTE Confidence: 0.86938983

00:28:03.620 --> 00:28:05.790 Again, the is talking about

NOTE Confidence: 0.86938983

00:28:05.790 --> 00:28:06.658 integrating services,

NOTE Confidence: 0.86938983

00:28:06.660 --> 00:28:08.022 individualizing your questions,

NOTE Confidence: 0.86938983

00:28:08.022 --> 00:28:10.746 and plan for genetic testing for

NOTE Confidence: 0.86938983

00:28:10.746 --> 00:28:12.882 your patients to optimize the

NOTE Confidence: 0.86938983

00:28:12.882 --> 00:28:14.892 benefit and minimize the harm.

NOTE Confidence: 0.849491

00:28:17.250 --> 00:28:20.650 So that the USPS TF report was published

NOTE Confidence: 0.849491

00:28:20.650 --> 00:28:24.068 in JAMA about a year and a half ago.

NOTE Confidence: 0.849491

00:28:24.070 --> 00:28:25.974 Again, talking about identifying

NOTE Confidence: 0.849491

00:28:25.974 --> 00:28:28.354 appropriate candidates for genetic testing

NOTE Confidence: 0.849491

00:28:28.354 --> 00:28:30.879 and then what type of tests to order.

NOTE Confidence: 0.849491

00:28:30.880 --> 00:28:32.955 So there's lots of different

NOTE Confidence: 0.849491

00:28:32.955 --> 00:28:35.475 steps in the process about what

NOTE Confidence: 0.849491

00:28:35.475 --> 00:28:37.300 are the harms of asking?

NOTE Confidence: 0.849491

00:28:37.300 --> 00:28:39.706 What are the harms of testing?

NOTE Confidence: 0.849491

00:28:39.710 --> 00:28:41.715 What are the harms of

NOTE Confidence: 0.849491

00:28:41.715 --> 00:28:43.319 intervention after we test?

NOTE Confidence: 0.87570345

00:28:46.540 --> 00:28:49.036 I do see a question in the Q&A

NOTE Confidence: 0.87570345

00:28:49.036 --> 00:28:51.457 that will try to get to shortly.

NOTE Confidence: 0.87570345

00:28:51.460 --> 00:28:53.776 So the USPSTF recommendation does give

NOTE Confidence: 0.87570345

00:28:53.776 --> 00:28:56.199 a B recommendation that primary care.

NOTE Confidence: 0.87570345

00:28:56.200 --> 00:28:57.764 Clinicians, including Obi Wans,

NOTE Confidence: 0.87570345

00:28:57.764 --> 00:29:00.110 assess women with a personal or

NOTE Confidence: 0.87570345

00:29:00.177 --> 00:29:02.126 family history of breast, ovarian,

NOTE Confidence: 0.87570345

00:29:02.126 --> 00:29:03.710 tubal or peritoneal cancers,

NOTE Confidence: 0.87570345

00:29:03.710 --> 00:29:06.188 who have any ancestry associated with

NOTE Confidence: 0.87570345

00:29:06.188 --> 00:29:08.669 BRCA mutations with an appropriate risk

NOTE Confidence: 0.87570345

00:29:08.669 --> 00:29:11.315 tool and they do give some options

NOTE Confidence: 0.87570345

00:29:11.315 --> 00:29:14.039 for different tools to use and if

NOTE Confidence: 0.87570345

00:29:14.039 --> 00:29:16.970 there's a positive result on the tool,

NOTE Confidence: 0.87570345

00:29:16.970 --> 00:29:18.850 they should receive genetic

NOTE Confidence: 0.87570345

00:29:18.850 --> 00:29:20.866 counseling and potentially genetic

NOTE Confidence: 0.87570345

00:29:20.866 --> 00:29:22.998 testing if they're interested.

NOTE Confidence: 0.87570345

00:29:23.000 --> 00:29:26.248 They do not recommend.

NOTE Confidence: 0.87570345

00:29:26.250 --> 00:29:28.464 Counseling for women whose ancestry is

NOTE Confidence: 0.87570345

00:29:28.464 --> 00:29:31.179 not associated with a potential mutation.

NOTE Confidence: 0.87570345

00:29:31.180 --> 00:29:33.235 So we're not sending everybody

NOTE Confidence: 0.87570345

00:29:33.235 --> 00:29:35.290 every woman for genetic testing.

NOTE Confidence: 0.85225374

00:29:38.420 --> 00:29:41.244 One of the examples is a seven

NOTE Confidence: 0.85225374

00:29:41.244 --> 00:29:42.860 question family history screening,

NOTE Confidence: 0.85225374

00:29:42.860 --> 00:29:44.075 others included Ontario

NOTE Confidence: 0.85225374

00:29:44.075 --> 00:29:45.290 Family History Assessment,

NOTE Confidence: 0.85225374

00:29:45.290 --> 00:29:46.502 Manchester Scoring System,

NOTE Confidence: 0.85225374

00:29:46.502 --> 00:29:48.118 the referral screening tool,

NOTE Confidence: 0.85225374

00:29:48.120 --> 00:29:49.732 a pedigree assessment tool

NOTE Confidence: 0.85225374

00:29:49.732 --> 00:29:51.747 and the tire acoustic model,

NOTE Confidence: 0.85225374

00:29:51.750 --> 00:29:55.194 which is good for breast cancer risk.

NOTE Confidence: 0.85225374

00:29:55.200 --> 00:29:56.700 So these are just short screening

NOTE Confidence: 0.85225374

00:29:56.700 --> 00:29:58.614 models that can be used in your

NOTE Confidence: 0.85225374

00:29:58.614 --> 00:30:00.054 practice for regular annual visits.

NOTE Confidence: 0.8510149

00:30:02.750 --> 00:30:04.420 Shifting gears to the SGO,

NOTE Confidence: 0.8510149

00:30:04.420 --> 00:30:05.824 SGO again recommends genetic

NOTE Confidence: 0.8510149

00:30:05.824 --> 00:30:07.930 counseling and testing for women who

NOTE Confidence: 0.8510149

00:30:07.987 --> 00:30:09.989 are at risk of having a hereditary

NOTE Confidence: 0.8510149

00:30:09.989 --> 00:30:11.769 breast and ovarian cancer syndrome.

NOTE Confidence: 0.8510149

00:30:11.770 --> 00:30:13.102 They are recommending more

NOTE Confidence: 0.8510149

00:30:13.102 --> 00:30:14.767 and more now to again,

NOTE Confidence: 0.8510149

00:30:14.770 --> 00:30:16.780 have somebody help you with that,

NOTE Confidence: 0.8510149

00:30:16.780 --> 00:30:18.901 or as a primary provider to have

NOTE Confidence: 0.8510149

00:30:18.901 --> 00:30:20.695 the expertise and I'll show you

NOTE Confidence: 0.8510149

00:30:20.695 --> 00:30:22.606 some ways that we can gain that

NOTE Confidence: 0.8510149

00:30:22.669 --> 00:30:24.397 expertise to provide genetic

NOTE Confidence: 0.8510149

00:30:24.397 --> 00:30:26.125 counseling for our patients.

NOTE Confidence: 0.8510149

00:30:26.130 --> 00:30:28.650 It is always important to have experts

NOTE Confidence: 0.8510149

00:30:28.650 --> 00:30:30.810 available after tests to help you know,

NOTE Confidence: 0.8510149

00:30:30.810 --> 00:30:33.175 interpret the tests and recommend

NOTE Confidence: 0.8510149

00:30:33.175 --> 00:30:34.594 the treatment plan.

NOTE Confidence: 0.8510149

00:30:34.600 --> 00:30:35.990 Important to have an interdisciplinary

NOTE Confidence: 0.8510149

00:30:35.990 --> 00:30:37.880 team and I'll show you who the

NOTE Confidence: 0.8510149

00:30:37.880 --> 00:30:39.242 team members might be for somebody

NOTE Confidence: 0.8510149

00:30:39.242 --> 00:30:40.887 who has a hereditary cancer risk.

NOTE Confidence: 0.84568155

00:30:45.040 --> 00:30:47.266 This talks about their women's personal

NOTE Confidence: 0.84568155

00:30:47.266 --> 00:30:49.606 cancer history and the family cancer

NOTE Confidence: 0.84568155

00:30:49.606 --> 00:30:51.976 history and who should be offered

NOTE Confidence: 0.84568155

00:30:51.976 --> 00:30:53.549 genetic counseling and testing.

NOTE Confidence: 0.84568155

00:30:53.550 --> 00:30:56.574 So there's anybody with a high grade ovarian

NOTE Confidence: 0.84568155

00:30:56.574 --> 00:30:59.360 cancer of breast cancer early in life,

NOTE Confidence: 0.84568155

00:30:59.360 --> 00:31:02.400 pre menopausal women who have a limit that

NOTE Confidence: 0.84568155

00:31:02.400 --> 00:31:05.157 family history or family history is unknown.

NOTE Confidence: 0.84568155

00:31:05.160 --> 00:31:07.488 Women who have a pancreatic cancer,

NOTE Confidence: 0.84568155

00:31:07.490 --> 00:31:09.420 family history or prostate cancer.

NOTE Confidence: 0.84568155

00:31:09.420 --> 00:31:11.355 Women who have a triple

NOTE Confidence: 0.84568155

00:31:11.355 --> 00:31:12.516 negative breast cancer.

NOTE Confidence: 0.84568155

00:31:12.520 --> 00:31:14.836 Women who have breast cancer with

NOTE Confidence: 0.84568155

00:31:14.836 --> 00:31:16.390 Ashkenazi Jewish ancestry, etc.

NOTE Confidence: 0.84017384

00:31:18.510 --> 00:31:20.904 And then there may also be situations

NOTE Confidence: 0.84017384

00:31:20.904 --> 00:31:23.019 where you'd want to refer for

NOTE Confidence: 0.84017384

00:31:23.019 --> 00:31:24.729 genetic counseling even if you

NOTE Confidence: 0.84017384

00:31:24.729 --> 00:31:26.680 don't know the family history.

NOTE Confidence: 0.84017384

00:31:26.680 --> 00:31:28.455 So for example, if someone

NOTE Confidence: 0.84017384

00:31:28.455 --> 00:31:30.230 has very few female relatives,

NOTE Confidence: 0.84017384

00:31:30.230 --> 00:31:31.915 many relatives had hysterectomy at

NOTE Confidence: 0.84017384

00:31:31.915 --> 00:31:34.130 a young age for unknown reasons,

NOTE Confidence: 0.84017384

00:31:34.130 --> 00:31:36.475 or there's adoption in the lineages and

NOTE Confidence: 0.84017384

00:31:36.475 --> 00:31:39.457 you may not know also for Lynch syndrome.

NOTE Confidence: 0.84017384

00:31:39.460 --> 00:31:41.100 Again, mutations anyone with an

NOTE Confidence: 0.84017384

00:31:41.100 --> 00:31:42.412 endometrial or colorectal cancer

NOTE Confidence: 0.84017384

00:31:42.412 --> 00:31:44.329 has the mismatch repair genes

NOTE Confidence: 0.84017384

00:31:44.329 --> 00:31:45.484 or microsatellite instability.

NOTE Confidence: 0.84017384

00:31:45.490 --> 00:31:47.480 Or again, depending on the

NOTE Confidence: 0.84017384

00:31:47.480 --> 00:31:49.072 family history of colorectal.

NOTE Confidence: 0.84017384

00:31:49.080 --> 00:31:51.258 Are gynecological cancers?

NOTE Confidence: 0.84908926

00:31:54.350 --> 00:31:56.250 If you don't have access

NOTE Confidence: 0.84908926

00:31:56.250 --> 00:31:58.150 to the NCC and guidelines,

NOTE Confidence: 0.84908926

00:31:58.150 --> 00:32:01.190 I would certainly encourage you to sign up.

NOTE Confidence: 0.84908926

00:32:01.190 --> 00:32:03.850 It's a free membership for NCC N.

NOTE Confidence: 0.84908926

00:32:03.850 --> 00:32:06.797 To access the guidelines for prevention and

NOTE Confidence: 0.84908926

00:32:06.797 --> 00:32:09.550 cancer risk reduction an A couple years ago.

NOTE Confidence: 0.84908926

00:32:09.550 --> 00:32:11.830 Now, this was changed from breast

NOTE Confidence: 0.84908926

00:32:11.830 --> 00:32:14.110 and ovarian cancer, now to breast,

NOTE Confidence: 0.84908926

00:32:14.110 --> 00:32:16.010 ovarian and pancreatic cancer syndrome,

NOTE Confidence: 0.84908926

00:32:16.010 --> 00:32:18.242 so pancreatic cancer is becoming more

NOTE Confidence: 0.84908926

00:32:18.242 --> 00:32:21.219 recognized as part of this cancer history

NOTE Confidence: 0.84908926

00:32:21.219 --> 00:32:23.584 syndrome syndrome and pancreatic cancer.

NOTE Confidence: 0.84908926

00:32:23.590 --> 00:32:25.844 Is now an indication for genetic counseling

NOTE Confidence: 0.84908926

00:32:25.844 --> 00:32:28.423 and testing as well as any first degree

NOTE Confidence: 0.84908926

00:32:28.423 --> 00:32:30.480 relative of a pancreatic cancer patient.

NOTE Confidence: 0.84908926

00:32:30.480 --> 00:32:32.775 Should have genetic testing if

NOTE Confidence: 0.84908926

00:32:32.775 --> 00:32:35.740 that person is no longer living.

NOTE Confidence: 0.84908926

00:32:35.740 --> 00:32:37.595 So, NCCN recommends that pretest

NOTE Confidence: 0.84908926

00:32:37.595 --> 00:32:40.010 counseling be done prior to testing.

NOTE Confidence: 0.84908926

00:32:40.010 --> 00:32:41.860 Consideration of the most appropriate

NOTE Confidence: 0.84908926

00:32:41.860 --> 00:32:44.580 test to order and then post test

NOTE Confidence: 0.84908926

00:32:44.580 --> 00:32:46.986 counseling when the results are disclosed.

NOTE Confidence: 0.84908926

00:32:46.990 --> 00:32:50.231 So then anybody who again has that

NOTE Confidence: 0.84908926

00:32:50.231 --> 00:32:52.605 experience and expertise in cancer

NOTE Confidence: 0.84908926

00:32:52.605 --> 00:32:55.776 genetics should be involved at each stage.

NOTE Confidence: 0.84908926

00:32:55.780 --> 00:32:57.826 And so there's some good algorithms

NOTE Confidence: 0.84908926

00:32:57.826 --> 00:32:59.978 to help with how we do this,

NOTE Confidence: 0.84908926

00:32:59.980 --> 00:33:03.228 how we help the family and what the

NOTE Confidence: 0.84908926

00:33:03.228 --> 00:33:05.907 outcomes might mean for our patients.

NOTE Confidence: 0.84908926

00:33:05.910 --> 00:33:08.045 The NCCN also has some really nice

NOTE Confidence: 0.84908926

00:33:08.045 --> 00:33:10.082 tables about what the cancer risks

NOTE Confidence: 0.84908926

00:33:10.082 --> 00:33:12.194 are and what the recommendations are,

NOTE Confidence: 0.84908926

00:33:12.200 --> 00:33:15.179 so this is just one page of the guidelines,

NOTE Confidence: 0.84908926

00:33:15.180 --> 00:33:17.455 but there are actually 3 pages that

NOTE Confidence: 0.84908926

00:33:17.455 --> 00:33:19.786 include each of the different mutations

NOTE Confidence: 0.84908926

00:33:19.786 --> 00:33:21.936 that your patient might carry.

NOTE Confidence: 0.84908926

00:33:21.940 --> 00:33:22.870 And of course,

NOTE Confidence: 0.84908926

00:33:22.870 --> 00:33:24.730 they're not all treated the same.

NOTE Confidence: 0.84908926

00:33:24.730 --> 00:33:25.702 So for example,

NOTE Confidence: 0.84908926

00:33:25.702 --> 00:33:27.970 we've seen patients in our office who

NOTE Confidence: 0.84908926

00:33:28.034 --> 00:33:30.127 understood or heard that that he or

NOTE Confidence: 0.84908926

00:33:30.127 --> 00:33:32.265 she carries a mutation in the bracket

NOTE Confidence: 0.84908926

00:33:32.265 --> 00:33:34.340 gene and they come to us saying,

NOTE Confidence: 0.84908926

00:33:34.340 --> 00:33:36.200 I have the Angelina Jolie gene,

NOTE Confidence: 0.84908926

00:33:36.200 --> 00:33:38.480 and then we find out that on their

NOTE Confidence: 0.84908926

00:33:38.480 --> 00:33:40.540 genetic testing they actually carry brip,

NOTE Confidence: 0.84908926

00:33:40.540 --> 00:33:42.898 one which has a much lower risk and is

NOTE Confidence: 0.84908926

00:33:42.898 --> 00:33:44.880 managed very differently than brocco,

NOTE Confidence: 0.84908926

00:33:44.880 --> 00:33:46.430 so it's important for us.

NOTE Confidence: 0.84908926

00:33:46.430 --> 00:33:48.614 We like to see the patients genetic

NOTE Confidence: 0.84908926

00:33:48.614 --> 00:33:50.195 testing results with our very

NOTE Confidence: 0.84908926

00:33:50.195 --> 00:33:52.225 own eyes before we start to make

NOTE Confidence: 0.84908926

00:33:52.225 --> 00:33:53.470 management recommendations.

NOTE Confidence: 0.84908926

00:33:53.470 --> 00:33:55.990 So just to kind of move on here,

NOTE Confidence: 0.84908926

00:33:55.990 --> 00:33:57.250 this is what's really

NOTE Confidence: 0.84908926

00:33:57.250 --> 00:33:58.510 important for our patients.

NOTE Confidence: 0.84908926

00:33:58.510 --> 00:34:00.090 It is a long process.

NOTE Confidence: 0.84908926

00:34:00.090 --> 00:34:02.288 We need to 1st identify the risk,

NOTE Confidence: 0.84908926

00:34:02.290 --> 00:34:03.205 give some counseling,

NOTE Confidence: 0.84908926

00:34:03.205 --> 00:34:05.340 identify who the best person in the

NOTE Confidence: 0.84908926

00:34:05.400 --> 00:34:07.326 family would be for genetic testing.

NOTE Confidence: 0.84908926

00:34:07.330 --> 00:34:08.590 Have that person tested.

NOTE Confidence: 0.84908926

00:34:08.590 --> 00:34:10.165 Do the post test counseling.

NOTE Confidence: 0.84908926

00:34:10.170 --> 00:34:11.740 So what does it mean?

NOTE Confidence: 0.84908926

00:34:11.740 --> 00:34:14.260 If it's a positive or negative test result,

NOTE Confidence: 0.84908926

00:34:14.260 --> 00:34:15.835 offer testing for the rest

NOTE Confidence: 0.84908926

00:34:15.835 --> 00:34:17.095 of the family members.

NOTE Confidence: 0.84908926

00:34:17.100 --> 00:34:18.508 That's called cascade testing.

NOTE Confidence: 0.84908926

00:34:18.508 --> 00:34:20.268 Provide emotional support and that

NOTE Confidence: 0.84908926

00:34:20.268 --> 00:34:22.136 really is part of the entire process,

NOTE Confidence: 0.84908926

00:34:22.140 --> 00:34:24.660 not just a single step in the process.

NOTE Confidence: 0.84908926

00:34:24.660 --> 00:34:26.592 We have to emotionally support our

NOTE Confidence: 0.84908926

00:34:26.592 --> 00:34:28.200 patients with this complex disc.

NOTE Confidence: 0.84908926

00:34:28.200 --> 00:34:30.280 Asian making referrer as

NOTE Confidence: 0.84908926

00:34:30.280 --> 00:34:32.360 appropriate for breast surveillance

NOTE Confidence: 0.84908926

00:34:32.360 --> 00:34:34.350 on gynecological surveillance,

NOTE Confidence: 0.84908926

00:34:34.350 --> 00:34:36.482 pancreatic surveillance skin exams,

NOTE Confidence: 0.84908926

00:34:36.482 --> 00:34:38.614 all the different referrals

NOTE Confidence: 0.84908926

00:34:38.614 --> 00:34:40.500 that are necessary.

NOTE Confidence: 0.84908926

00:34:40.500 --> 00:34:43.655 Support them in fertility decisions

NOTE Confidence: 0.84908926

00:34:43.655 --> 00:34:47.899 about their children if they are young.

NOTE Confidence: 0.84908926

00:34:47.900 --> 00:34:50.540 And then provide the cancer surveillance

NOTE Confidence: 0.84908926

00:34:50.540 --> 00:34:52.849 and cancer prevention if we can.

NOTE Confidence: 0.84908926

00:34:52.850 --> 00:34:55.139 So it is a lot of work.

NOTE Confidence: 0.84908926

00:34:55.140 --> 00:34:56.700 There are a lot of questions

NOTE Confidence: 0.84908926

00:34:56.700 --> 00:34:57.740 that we can ask

NOTE Confidence: 0.8596407

00:34:57.807 --> 00:35:00.101 ourselves. Do I do I have time to

NOTE Confidence: 0.8596407

00:35:00.101 --> 00:35:01.950 collect a full family pedigree?

NOTE Confidence: 0.8596407

00:35:01.950 --> 00:35:04.015 Do I remember how to do that?

NOTE Confidence: 0.8596407

00:35:04.020 --> 00:35:05.924 Does the patient know their family history

NOTE Confidence: 0.8596407

00:35:05.924 --> 00:35:08.811 or do we need to go back and gather more

NOTE Confidence: 0.8596407

00:35:08.811 --> 00:35:10.530 information from other family members?

NOTE Confidence: 0.8596407

00:35:10.530 --> 00:35:13.490 Do I? How do I know what test to order?

NOTE Confidence: 0.8596407

00:35:13.490 --> 00:35:14.970 Does my patient, you know,

NOTE Confidence: 0.8596407

00:35:14.970 --> 00:35:17.035 have the emotional readiness for the testing?

NOTE Confidence: 0.8596407

00:35:17.040 --> 00:35:19.119 Will they be OK with the result?

NOTE Confidence: 0.8596407

00:35:19.120 --> 00:35:21.478 Do they want to be tested or do they

NOTE Confidence: 0.8596407

00:35:21.478 --> 00:35:23.845 want not want to know their genetics?

NOTE Confidence: 0.8596407

00:35:23.850 --> 00:35:25.058 Should I recommend or?

NOTE Confidence: 0.8596407

00:35:25.058 --> 00:35:27.527 If my patient asks about things like 23

NOTE Confidence: 0.8596407

00:35:27.527 --> 00:35:29.613 andme or the direct to consumer testing,

NOTE Confidence: 0.8596407

00:35:29.620 --> 00:35:32.322 do I know how to help him

NOTE Confidence: 0.8596407

00:35:32.322 --> 00:35:34.499 or her interpret that test?

NOTE Confidence: 0.8596407

00:35:34.500 --> 00:35:37.119 Who is the right person to be test tested?

NOTE Confidence: 0.8596407

00:35:37.120 --> 00:35:38.866 Am I ordering the right test?

NOTE Confidence: 0.8596407

00:35:38.870 --> 00:35:40.900 Am I ordering from the right company?

NOTE Confidence: 0.8596407

00:35:40.900 --> 00:35:42.360 What is the test mean?

NOTE Confidence: 0.8596407

00:35:42.360 --> 00:35:44.106 You know this is not just

NOTE Confidence: 0.8596407

00:35:44.106 --> 00:35:45.270 positive or negative anymore.

NOTE Confidence: 0.8596407

00:35:45.270 --> 00:35:46.430 It's now likely pathogenic,

NOTE Confidence: 0.8596407

00:35:46.430 --> 00:35:47.920 pathogenic, likely benign or benign,

NOTE Confidence: 0.8596407

00:35:47.920 --> 00:35:49.720 and then in the middle there's

NOTE Confidence: 0.8596407

00:35:49.775 --> 00:35:51.135 this variant where we know

NOTE Confidence: 0.8596407

00:35:51.135 --> 00:35:52.830 there's a change in the gene,

NOTE Confidence: 0.8596407

00:35:52.830 --> 00:35:55.422 but we don't know if it's

NOTE Confidence: 0.8596407

00:35:55.422 --> 00:35:56.718 necessarily cancer causing.

NOTE Confidence: 0.8596407

00:35:56.720 --> 00:35:59.056 How do we proceed with the family members?

NOTE Confidence: 0.8596407

00:35:59.060 --> 00:36:01.316 Do I have to follow up all the

NOTE Confidence: 0.8596407

00:36:01.316 --> 00:36:03.174 family members testing and how well

NOTE Confidence: 0.8596407

00:36:03.174 --> 00:36:05.490 does it affect my patient as far

NOTE Confidence: 0.8596407

00:36:05.490 --> 00:36:07.525 as insurability and general health?

NOTE Confidence: 0.8596407

00:36:07.530 --> 00:36:09.645 So there's a lot of things that we may

NOTE Confidence: 0.8596407

00:36:09.645 --> 00:36:11.846 not know how to help our patient with,

NOTE Confidence: 0.8596407

00:36:11.850 --> 00:36:13.537 and we need to know where to

NOTE Confidence: 0.8596407

00:36:13.537 --> 00:36:14.899 refer them to if needed.

NOTE Confidence: 0.8596407

00:36:14.900 --> 00:36:16.559 This is what I was talking about

NOTE Confidence: 0.8596407

00:36:16.559 --> 00:36:17.859 with a different test results

NOTE Confidence: 0.8596407

00:36:17.859 --> 00:36:19.204 that can occur on testing.

NOTE Confidence: 0.8240948

00:36:21.930 --> 00:36:24.518 And if you've ever come into, you know,

NOTE Confidence: 0.8240948

00:36:24.518 --> 00:36:27.165 finding a test result or coming into a

NOTE Confidence: 0.8240948

00:36:27.165 --> 00:36:29.538 conundrum where you didn't know the answer.

NOTE Confidence: 0.8240948

00:36:29.540 --> 00:36:31.424 You're not alone, and there's actually

NOTE Confidence: 0.8240948

00:36:31.424 --> 00:36:34.113 a series of articles from some of our

NOTE Confidence: 0.8240948

00:36:34.113 --> 00:36:35.493 Yale genetic counseling colleagues.

NOTE Confidence: 0.8240948

00:36:35.500 --> 00:36:36.824 Karina Byerly, who's one

NOTE Confidence: 0.8240948

00:36:36.824 --> 00:36:38.148 of our genetic counselors?

NOTE Confidence: 0.8240948

00:36:38.150 --> 00:36:38.812 Danielle Bonadies,

NOTE Confidence: 0.8240948

00:36:38.812 --> 00:36:40.798 Danielle Campfield was her maiden name,

NOTE Confidence: 0.8240948

00:36:40.800 --> 00:36:43.117 who is one of our genetic counselors

NOTE Confidence: 0.8240948

00:36:43.117 --> 00:36:45.396 who's no longer at Yale but has

NOTE Confidence: 0.8240948

00:36:45.396 --> 00:36:47.226 done some great work and talking

NOTE Confidence: 0.8240948

00:36:47.298 --> 00:36:49.398 about the errors that can happen.

NOTE Confidence: 0.8240948

00:36:49.400 --> 00:36:51.060 The wrong test is ordered.

NOTE Confidence: 0.8240948

00:36:51.060 --> 00:36:52.710 The test result is misinterpreted,

NOTE Confidence: 0.8240948

00:36:52.710 --> 00:36:54.500 or there's not enough patients.

NOTE Confidence: 0.8240948

00:36:54.500 --> 00:36:56.380 Follow up so it happens.

NOTE Confidence: 0.8240948

00:36:56.380 --> 00:36:57.319 It's not common.

NOTE Confidence: 0.8240948

00:36:57.319 --> 00:36:59.197 It's not uncommon for the test

NOTE Confidence: 0.8240948

00:36:59.197 --> 00:37:01.269 to be interpreted incorrectly,

NOTE Confidence: 0.8240948

00:37:01.270 --> 00:37:04.414 and that's where our genetic counseling

NOTE Confidence: 0.8240948

00:37:04.414 --> 00:37:06.830 colleagues can really help us.

NOTE Confidence: 0.8240948

00:37:06.830 --> 00:37:08.580 It certainly takes a village

NOTE Confidence: 0.8240948

00:37:08.580 --> 00:37:09.980 to support these patients,

NOTE Confidence: 0.8240948

00:37:09.980 --> 00:37:11.858 so whether your patient has a

NOTE Confidence: 0.8240948

00:37:11.858 --> 00:37:14.180 mutation or has a family history.

NOTE Confidence: 0.8240948

00:37:14.180 --> 00:37:16.630 First of all, she's probably seen cancer,

NOTE Confidence: 0.8240948

00:37:16.630 --> 00:37:18.046 and she's probably experienced

NOTE Confidence: 0.8240948

00:37:18.046 --> 00:37:20.170 a loved one who's been diagnosed

NOTE Confidence: 0.8240948

00:37:20.235 --> 00:37:21.527 and treated for cancer,

NOTE Confidence: 0.8240948

00:37:21.530 --> 00:37:23.630 and there's trauma involved in that.

NOTE Confidence: 0.8240948

00:37:23.630 --> 00:37:26.038 The patient probably has a lot of

NOTE Confidence: 0.8240948

00:37:26.038 --> 00:37:28.179 questions and concerns about her family,

NOTE Confidence: 0.8240948

00:37:28.180 --> 00:37:28.880 her children,

NOTE Confidence: 0.8240948

00:37:28.880 --> 00:37:30.980 what it means for her health,

NOTE Confidence: 0.8240948

00:37:30.980 --> 00:37:33.653 and so it takes a lot of people to

NOTE Confidence: 0.8240948

00:37:33.653 --> 00:37:35.956 really help support this patient in

NOTE Confidence: 0.8240948

00:37:35.956 --> 00:37:38.680 making sure she gets the best care.

NOTE Confidence: 0.83187497

00:37:40.820 --> 00:37:43.160 A smile has some great resources.

NOTE Confidence: 0.83187497

00:37:43.160 --> 00:37:45.500 The cancer genetics and Prevention program,

NOTE Confidence: 0.83187497

00:37:45.500 --> 00:37:47.840 which is available also by telemedicine.

NOTE Confidence: 0.83187497

00:37:47.840 --> 00:37:50.332 These days there's a lot of resources

NOTE Confidence: 0.83187497

00:37:50.332 --> 00:37:52.908 from ACOG that are available online.

NOTE Confidence: 0.83187497

00:37:52.910 --> 00:37:55.661 Jackson laboratory up at UConn has some

NOTE Confidence: 0.83187497

00:37:55.661 --> 00:37:58.027 modules that I'll show you shortly

NOTE Confidence: 0.83187497

00:37:58.027 --> 00:38:00.631 SGO has some information and there is

NOTE Confidence: 0.83187497

00:38:00.705 --> 00:38:03.045 a fee if you're really interested.

NOTE Confidence: 0.83187497

00:38:03.050 --> 00:38:05.522 A certificate program that's online in

NOTE Confidence: 0.83187497

00:38:05.522 --> 00:38:07.949 clinical genetics and genomics and this

NOTE Confidence: 0.83187497

00:38:07.949 --> 00:38:10.455 program is actually for physicians or nurses,

NOTE Confidence: 0.83187497

00:38:10.460 --> 00:38:13.196 or. PSA PRNS who are interested in learning

NOTE Confidence: 0.83187497

00:38:13.196 --> 00:38:15.930 more about genetics and want to, you know,

NOTE Confidence: 0.83187497

00:38:15.930 --> 00:38:18.805 help advance their care, and it's all.

NOTE Confidence: 0.83187497

00:38:18.805 --> 00:38:21.955 It's a one year online program.

NOTE Confidence: 0.83187497

00:38:21.960 --> 00:38:24.000 The Jackson Laboratory genetics modules

NOTE Confidence: 0.83187497

00:38:24.000 --> 00:38:26.406 are great because they're 15 minutes

NOTE Confidence: 0.83187497

00:38:26.406 --> 00:38:28.854 case based and they do give you CME

NOTE Confidence: 0.83187497

00:38:28.854 --> 00:38:30.750 credits so those are available at

NOTE Confidence: 0.83187497

00:38:30.750 --> 00:38:33.135 Jackson Lab which is part of UConn and

NOTE Confidence: 0.83187497

00:38:33.135 --> 00:38:35.572 there are 11 cases in that in those

NOTE Confidence: 0.83187497

00:38:35.572 --> 00:38:37.810 modules and the Society of Joanna

NOTE Confidence: 0.83187497

00:38:37.810 --> 00:38:40.438 Kalaji also has a genetics tool kit

NOTE Confidence: 0.83187497

00:38:40.438 --> 00:38:42.592 that has seven case based modules

NOTE Confidence: 0.83187497

00:38:42.600 --> 00:38:44.658 that's available for providers on line.

NOTE Confidence: 0.7992551

00:38:46.690 --> 00:38:48.445 Yale's cancer Genetics and Prevention

NOTE Confidence: 0.7992551

00:38:48.445 --> 00:38:50.594 program is at the Saint Rayfield

NOTE Confidence: 0.7992551

00:38:50.594 --> 00:38:52.604 campus in New Haven. It's Co.

NOTE Confidence: 0.7992551

00:38:52.604 --> 00:38:54.626 Directed by Doctor Hofstetter and Doctor

NOTE Confidence: 0.7992551

00:38:54.626 --> 00:38:57.159 Your who managed Breast and GI Oncology,

NOTE Confidence: 0.7992551

00:38:57.160 --> 00:38:59.158 Doctor Bale is the genetic scientific

NOTE Confidence: 0.7992551

00:38:59.158 --> 00:39:01.311 director and there are many great

NOTE Confidence: 0.7992551

00:39:01.311 --> 00:39:02.823 genetic counselors available to

NOTE Confidence: 0.7992551

00:39:02.823 --> 00:39:04.839 answer any questions that we have.

NOTE Confidence: 0.7992551

00:39:04.840 --> 00:39:06.754 And of course, Dr Ratner and

NOTE Confidence: 0.7992551

00:39:06.754 --> 00:39:09.029 myself are there to support women.

NOTE Confidence: 0.7992551

00:39:09.030 --> 00:39:11.870 And Doctor Ferrell helps with

NOTE Confidence: 0.7992551

00:39:11.870 --> 00:39:13.574 pancreatic cancer surveillance.

NOTE Confidence: 0.7992551

00:39:13.580 --> 00:39:15.740 Genetics can be referd through

NOTE Confidence: 0.7992551

00:39:15.740 --> 00:39:18.310 epic or by calling 201 DNA.

NOTE Confidence: 0.86881363

00:39:20.560 --> 00:39:22.282 And with that I will stop and

NOTE Confidence: 0.86881363

00:39:22.282 --> 00:39:23.858 take questions or we can move

NOTE Confidence: 0.86881363

00:39:23.858 --> 00:39:25.163 on to the next presentation.

NOTE Confidence: 0.86881363

00:39:25.170 --> 00:39:26.450 Please feel free to contact

NOTE Confidence: 0.86881363

00:39:26.450 --> 00:39:27.730 us anytime you can email.

NOTE Confidence: 0.86881363

00:39:27.730 --> 00:39:29.086 Call me and we're happy to

NOTE Confidence: 0.86881363

00:39:29.086 --> 00:39:30.568 help see patients or help with

NOTE Confidence: 0.86881363

00:39:30.568 --> 00:39:31.888 answering any questions or getting

NOTE Confidence: 0.86881363

00:39:31.888 --> 00:39:33.360 you to the right people.

NOTE Confidence: 0.86881363

00:39:33.360 --> 00:39:35.439 So thank you so much I will hand it

NOTE Confidence: 0.86881363

00:39:35.439 --> 00:39:37.420 back over to Doctor Clark and we

NOTE Confidence: 0.86881363

00:39:37.420 --> 00:39:39.248 can take questions if we need to.

NOTE Confidence: 0.83532435

00:39:40.540 --> 00:39:42.406 Thanks Joanna. I think you know,

NOTE Confidence: 0.83532435

00:39:42.410 --> 00:39:45.218 I think this is a great question by Kim.

NOTE Confidence: 0.83532435

00:39:45.220 --> 00:39:47.418 Thanks Kim for for sharing your personal

NOTE Confidence: 0.83532435

00:39:47.418 --> 00:39:49.330 experience with the meeting and maybe

NOTE Confidence: 0.83532435

00:39:49.330 --> 00:39:51.148 I'll just read out Kim's comments,

NOTE Confidence: 0.83532435

00:39:51.150 --> 00:39:52.535 slash question and maybe you

NOTE Confidence: 0.83532435

00:39:52.535 --> 00:39:54.703 can give us a little bit of

NOTE Confidence: 0.83532435

00:39:54.703 --> 00:39:56.139 guidance from your perspective.

NOTE Confidence: 0.83532435

00:39:56.140 --> 00:39:58.443 Joanna so Kim writes just to say

NOTE Confidence: 0.83532435

00:39:58.443 --> 00:40:00.848 that it was recommended to me.

NOTE Confidence: 0.83532435

00:40:00.850 --> 00:40:02.530 When I received a breast cancer

NOTE Confidence: 0.83532435

00:40:02.530 --> 00:40:04.344 diagnosis in prior to genetic testing

NOTE Confidence: 0.83532435

00:40:04.344 --> 00:40:06.563 to go ahead and secure life insurance,

NOTE Confidence: 0.83532435

00:40:06.570 --> 00:40:08.070 if a mutation is identified,

NOTE Confidence: 0.83532435

00:40:08.070 --> 00:40:09.720 it can make it difficult and

NOTE Confidence: 0.83532435

00:40:09.720 --> 00:40:11.390 or impossible to get coverage.

NOTE Confidence: 0.83532435

00:40:11.390 --> 00:40:14.630 I thought this was a great idea and

NOTE Confidence: 0.83532435

00:40:14.630 --> 00:40:17.389 share that with my patients now.

NOTE Confidence: 0.83532435

00:40:17.390 --> 00:40:20.198 So what's your experience or or is this

NOTE Confidence: 0.83532435

00:40:20.198 --> 00:40:22.869 a question that you get from patients

NOTE Confidence: 0.83532435

00:40:22.869 --> 00:40:25.330 who come through the Genics program

NOTE Confidence: 0.8498387

00:40:25.330 --> 00:40:27.969 that you oversee June? We absolutely do,

NOTE Confidence: 0.8498387

00:40:27.970 --> 00:40:30.994 and so if you haven't learned about it,

NOTE Confidence: 0.8498387

00:40:31.000 --> 00:40:33.465 there's something called the genetic

NOTE Confidence: 0.8498387

00:40:33.465 --> 00:40:35.930 Information Nondiscrimination Act or Gina

NOTE Confidence: 0.8498387

00:40:36.000 --> 00:40:38.835 and Gina prevents people with a genetic

NOTE Confidence: 0.8498387

00:40:38.835 --> 00:40:40.810 predisposition to cancer from being.

NOTE Confidence: 0.8498387

00:40:40.810 --> 00:40:43.228 Denied a job or health insurance.

NOTE Confidence: 0.8498387

00:40:43.230 --> 00:40:45.450 Unfortunately Gina does not protect people

NOTE Confidence: 0.8498387

00:40:45.450 --> 00:40:48.080 from being denied life insurance coverage,

NOTE Confidence: 0.8498387

00:40:48.080 --> 00:40:49.980 so life insurance certainly is

NOTE Confidence: 0.8498387

00:40:49.980 --> 00:40:51.500 something to consider before

NOTE Confidence: 0.8498387

00:40:51.500 --> 00:40:53.328 people undergo genetic testing.

NOTE Confidence: 0.8498387

00:40:53.330 --> 00:40:56.235 If that's important to you and the

NOTE Confidence: 0.8498387

00:40:56.235 --> 00:40:58.316 genetic counselors are pretty good

NOTE Confidence: 0.8498387

00:40:58.316 --> 00:41:00.608 at talking about that as well.

NOTE Confidence: 0.8498387

00:41:00.610 --> 00:41:03.424 But for health insurance and for employment,

NOTE Confidence: 0.8498387

00:41:03.430 --> 00:41:06.532 there is some legal protection from

NOTE Confidence: 0.8498387

00:41:06.532 --> 00:41:09.080 discrimination for people who have.

NOTE Confidence: 0.8498387

00:41:09.080 --> 00:41:10.528 A predisposition to cancer

NOTE Confidence: 0.80490744

00:41:10.530 --> 00:41:13.194 re thank you. Alright, so we'll just move

NOTE Confidence: 0.80490744

00:41:13.194 --> 00:41:16.337 on to our final session for the evening.

NOTE Confidence: 0.80490744

00:41:16.340 --> 00:41:18.517 We're going to switch gears a little

NOTE Confidence: 0.80490744

00:41:18.517 --> 00:41:20.733 bit away from ovarian cancer and

NOTE Confidence: 0.80490744

00:41:20.733 --> 00:41:23.163 genetics and how that relates to

NOTE Confidence: 0.80490744

00:41:23.163 --> 00:41:25.070 gynecological cancers and talk a

NOTE Confidence: 0.80490744

00:41:25.070 --> 00:41:26.870 little bit about cervical cancer,

NOTE Confidence: 0.80490744

00:41:26.870 --> 00:41:28.278 both prevention and detection.

NOTE Confidence: 0.80490744

00:41:28.278 --> 00:41:31.229 I think we have a great group tonight

NOTE Confidence: 0.80490744

00:41:31.229 --> 00:41:33.154 that ranges from gynecologist to

NOTE Confidence: 0.80490744

00:41:33.154 --> 00:41:35.939 those who do a lot more primary care,

NOTE Confidence: 0.80490744

00:41:35.940 --> 00:41:39.164 so I thought this would be a relevant.

NOTE Confidence: 0.80490744

00:41:39.170 --> 00:41:41.676 Discussion to talk a little bit of

NOTE Confidence: 0.80490744

00:41:41.676 --> 00:41:44.309 the updates from the SCCP will talk

NOTE Confidence: 0.80490744

00:41:44.309 --> 00:41:46.541 a little bit about HPV vaccination

NOTE Confidence: 0.80490744

00:41:46.613 --> 00:41:48.995 and understanding the role of HPV,

NOTE Confidence: 0.80490744

00:41:49.000 --> 00:41:52.549 and so I'm just going to switch

NOTE Confidence: 0.80490744

00:41:52.549 --> 00:41:57.347 over my slides here. OK. Great.

NOTE Confidence: 0.80490744

00:41:57.347 --> 00:42:00.509 And it's the same me talking.

NOTE Confidence: 0.80490744

00:42:00.510 --> 00:42:03.576 We're just going to shuffle over

NOTE Confidence: 0.80490744

00:42:03.576 --> 00:42:05.620 to physical cancer prevention.

NOTE Confidence: 0.80490744

00:42:05.620 --> 00:42:07.850 And.

NOTE Confidence: 0.80490744

00:42:07.850 --> 00:42:09.586 So we're going to review a little

NOTE Confidence: 0.80490744

00:42:09.586 --> 00:42:11.214 bit The Who global strategy

NOTE Confidence: 0.80490744

00:42:11.214 --> 00:42:12.866 to eliminate cervical cancer,

NOTE Confidence: 0.80490744

00:42:12.870 --> 00:42:15.068 which has been recently put forward and

NOTE Confidence: 0.80490744

00:42:15.068 --> 00:42:17.269 discussed heavily at the recent fgo meeting.

NOTE Confidence: 0.80490744

00:42:17.270 --> 00:42:19.774 As this is a priority for The Who,

NOTE Confidence: 0.80490744

00:42:19.780 --> 00:42:22.471 but then loop that back to how does that

NOTE Confidence: 0.80490744

00:42:22.471 --> 00:42:24.810 affect us here at home in Connecticut?

NOTE Confidence: 0.80490744

00:42:24.810 --> 00:42:26.130 In the United States,

NOTE Confidence: 0.80490744

00:42:26.130 --> 00:42:27.780 will talk quite extensively about

NOTE Confidence: 0.80490744

00:42:27.780 --> 00:42:29.986 the data on HPV vaccination as well

NOTE Confidence: 0.80490744

00:42:29.986 --> 00:42:32.149 as the indications and how that has

NOTE Confidence: 0.80490744

00:42:32.149 --> 00:42:33.931 evolved overtime and then learn to

NOTE Confidence: 0.80490744

00:42:33.931 --> 00:42:36.318 apply technique for how we can improve

NOTE Confidence: 0.80490744

00:42:36.318 --> 00:42:38.249 our vaccination rates here at home.

NOTE Confidence: 0.80490744

00:42:38.250 --> 00:42:39.634 Specifically related to what?

NOTE Confidence: 0.80490744

00:42:39.634 --> 00:42:42.340 We're kind of coining the catch up cohort,

NOTE Confidence: 0.80490744

00:42:42.340 --> 00:42:44.596 and then we'll segue into a little bit

NOTE Confidence: 0.80490744

00:42:44.596 --> 00:42:47.060 of a discussion on the updated 2019

NOTE Confidence: 0.80490744

00:42:47.060 --> 00:42:49.683 AFC CP guidelines and how the newly

NOTE Confidence: 0.80490744

00:42:49.683 --> 00:42:51.843 developed app that can be downloaded

NOTE Confidence: 0.80490744

00:42:51.843 --> 00:42:55.210 from the Android or iTunes Store.

NOTE Confidence: 0.80490744

00:42:55.210 --> 00:42:57.401 It can really help you guide your

NOTE Confidence: 0.80490744

00:42:57.401 --> 00:42:59.608 decision making and provide women the

NOTE Confidence: 0.80490744

00:42:59.608 --> 00:43:01.216 most individualized risk assessment

NOTE Confidence: 0.80490744

00:43:01.216 --> 00:43:03.977 when trying to decide how to manage

NOTE Confidence: 0.80490744

00:43:03.977 --> 00:43:05.847 abnormal cytology or biopsy results.

NOTE Confidence: 0.80490744

00:43:05.850 --> 00:43:08.004 I don't have any financial disclosures

NOTE Confidence: 0.80490744

00:43:08.004 --> 00:43:10.620 were not talking about anything off label,

NOTE Confidence: 0.80490744

00:43:10.620 --> 00:43:12.993 but I do want to just acknowledge

NOTE Confidence: 0.80490744

00:43:12.993 --> 00:43:15.348 and thank Merck for providing some

NOTE Confidence: 0.80490744

00:43:15.348 --> 00:43:17.458 of the infographics and informatics

NOTE Confidence: 0.80490744

00:43:17.458 --> 00:43:20.325 on HPV data as it relates to the

NOTE Confidence: 0.80490744

00:43:20.325 --> 00:43:22.620 cervical and head and neck cancer.

NOTE Confidence: 0.80490744

00:43:22.620 --> 00:43:26.085 We're going to talk extensively about today.

NOTE Confidence: 0.80490744

00:43:26.090 --> 00:43:26.792 So again,

NOTE Confidence: 0.80490744

00:43:26.792 --> 00:43:28.898 I think this is all very

NOTE Confidence: 0.80490744

00:43:28.898 --> 00:43:29.600 familiar information,

NOTE Confidence: 0.80490744

00:43:29.600 --> 00:43:31.610 but worthwhile to remember that cervical

NOTE Confidence: 0.80490744

00:43:31.610 --> 00:43:33.810 cancer is really a global burden.

NOTE Confidence: 0.80490744

00:43:33.810 --> 00:43:35.718 It's the fourth most common cause

NOTE Confidence: 0.80490744

00:43:35.718 --> 00:43:37.670 of cancer in women worldwide,

NOTE Confidence: 0.80490744

00:43:37.670 --> 00:43:38.765 and in 2018,

NOTE Confidence: 0.80490744

00:43:38.765 --> 00:43:41.802 / 1/2 A million women were diagnosed with

NOTE Confidence: 0.80490744

00:43:41.802 --> 00:43:45.042 this disease and over 300,000 of women died.

NOTE Confidence: 0.80490744

00:43:45.050 --> 00:43:47.005 Almost all cervical cancers are

NOTE Confidence: 0.80490744

00:43:47.005 --> 00:43:48.960 related to an HPV infection,

NOTE Confidence: 0.80490744

00:43:48.960 --> 00:43:51.550 and what we see here on the top is a

NOTE Confidence: 0.80490744

00:43:51.629 --> 00:43:54.274 figure that highlights the incidence

NOTE Confidence: 0.80490744

00:43:54.274 --> 00:43:56.390 of cervical cancer worldwide,

NOTE Confidence: 0.80490744

00:43:56.390 --> 00:43:58.736 where we see a disproportionate burden.

NOTE Confidence: 0.80490744

00:43:58.740 --> 00:44:00.690 African countries as well as

NOTE Confidence: 0.80490744

00:44:00.690 --> 00:44:02.250 certain South American countries.

NOTE Confidence: 0.80490744

00:44:02.250 --> 00:44:04.205 And then when we juxtapose

NOTE Confidence: 0.80490744

00:44:04.205 --> 00:44:06.160 that against the bottom image,

NOTE Confidence: 0.80490744

00:44:06.160 --> 00:44:07.724 showing the implementation of

NOTE Confidence: 0.80490744

00:44:07.724 --> 00:44:09.679 publicly funded HPV vaccine programs,

NOTE Confidence: 0.80490744

00:44:09.680 --> 00:44:11.972 we really see how HPV vaccination

NOTE Confidence: 0.80490744

00:44:11.972 --> 00:44:13.500 and prevention through primary

NOTE Confidence: 0.80490744

00:44:13.568 --> 00:44:15.898 prevention methods have been effective.

NOTE Confidence: 0.80490744

00:44:15.900 --> 00:44:17.425 And it's just unfortunately not

NOTE Confidence: 0.80490744

00:44:17.425 --> 00:44:19.640 available in the region of the world

NOTE Confidence: 0.80490744

00:44:19.640 --> 00:44:21.220 where this disease is prevalent,

NOTE Confidence: 0.85195917

00:44:21.220 --> 00:44:23.284 as it is here, the devil would show

NOTE Confidence: 0.85195917

00:44:23.284 --> 00:44:25.384 is really taking a multi prong public

NOTE Confidence: 0.85195917

00:44:25.384 --> 00:44:27.740 health approach to try to reduce the

NOTE Confidence: 0.85195917

00:44:27.740 --> 00:44:29.670 burden of physical cancer worldwide.

NOTE Confidence: 0.85195917

00:44:29.670 --> 00:44:31.861 And the best way to do that

NOTE Confidence: 0.85195917

00:44:31.861 --> 00:44:32.800 is through prevention.

NOTE Confidence: 0.85195917

00:44:32.800 --> 00:44:33.742 Primary prevention through

NOTE Confidence: 0.85195917

00:44:33.742 --> 00:44:34.370 vaccination efforts,

NOTE Confidence: 0.85195917

00:44:34.370 --> 00:44:36.706 and I'm not going to all of the

NOTE Confidence: 0.85195917

00:44:36.706 --> 00:44:38.748 details of their of their plan.

NOTE Confidence: 0.85195917

00:44:38.750 --> 00:44:41.286 But what I do want to highlight is

NOTE Confidence: 0.85195917

00:44:41.286 --> 00:44:43.727 that you know as much as we talk

NOTE Confidence: 0.85195917

00:44:43.727 --> 00:44:46.060 about this as a global problem.

NOTE Confidence: 0.85195917

00:44:46.060 --> 00:44:48.832 We really have an opportunity for

NOTE Confidence: 0.85195917

00:44:48.832 --> 00:44:51.132 improvement closer to home and

NOTE Confidence: 0.85195917

00:44:51.132 --> 00:44:53.722 this is the CDC data on vaccination

NOTE Confidence: 0.85195917

00:44:53.722 --> 00:44:56.390 rates as of 2018 for HPV vaccine,

NOTE Confidence: 0.85195917

00:44:56.390 --> 00:44:59.360 and we see that for girls age 13 to

NOTE Confidence: 0.85195917

00:44:59.360 --> 00:45:03.386 17 and boys age 13 to 17 are rates of

NOTE Confidence: 0.85195917

00:45:03.386 --> 00:45:05.879 vaccination were approximately 50%.

NOTE Confidence: 0.85195917

00:45:05.880 --> 00:45:08.400 That's pretty low when we compare

NOTE Confidence: 0.85195917

00:45:08.400 --> 00:45:10.937 that to other vaccines given in

NOTE Confidence: 0.85195917

00:45:10.937 --> 00:45:12.489 the same age category.

NOTE Confidence: 0.85195917

00:45:12.490 --> 00:45:14.560 So we think Mcninja cockle,

NOTE Confidence: 0.85195917

00:45:14.560 --> 00:45:17.680 which has a 90 to 95% vaccination uptake.

NOTE Confidence: 0.85195917

00:45:17.680 --> 00:45:18.000 Great,

NOTE Confidence: 0.85195917

00:45:18.000 --> 00:45:19.920 there really is an opportunity to

NOTE Confidence: 0.85195917

00:45:19.920 --> 00:45:21.572 improve here and I hope at the end

NOTE Confidence: 0.85195917

00:45:21.572 --> 00:45:23.037 of this will have highlighted some

NOTE Confidence: 0.85195917

00:45:23.037 --> 00:45:24.759 techniques in ways that you can

NOTE Confidence: 0.85195917

00:45:24.759 --> 00:45:27.760 improve that in your own practice.

NOTE Confidence: 0.85195917

00:45:27.760 --> 00:45:30.168 Just want to go through sort of the

NOTE Confidence: 0.85195917

00:45:30.168 --> 00:45:32.762 impact of HPV and again I want to

NOTE Confidence: 0.85195917

00:45:32.762 --> 00:45:34.942 thank Mark for providing some of

NOTE Confidence: 0.85195917

00:45:34.942 --> 00:45:37.012 this information or these graphics

NOTE Confidence: 0.85195917

00:45:37.012 --> 00:45:38.940 which really depict the burden

NOTE Confidence: 0.85195917

00:45:38.940 --> 00:45:41.320 that HPV has on the lower genital

NOTE Confidence: 0.85195917

00:45:41.320 --> 00:45:43.507 tract and head and neck disease.

NOTE Confidence: 0.85195917

00:45:43.510 --> 00:45:46.310 They are over 14 million new HPV infections,

NOTE Confidence: 0.85195917

00:45:46.310 --> 00:45:48.572 nearly an almost half of these

NOTE Confidence: 0.85195917

00:45:48.572 --> 00:45:50.859 are in people aged 15 to 24.

NOTE Confidence: 0.85195917

00:45:50.860 --> 00:45:53.310 These HPV infections will go on to

NOTE Confidence: 0.85195917

00:45:53.310 --> 00:45:55.060 account for **** genital diseases,

NOTE Confidence: 0.85195917

00:45:55.060 --> 00:45:56.110 including cervical, vulvar,

NOTE Confidence: 0.85195917

00:45:56.110 --> 00:45:59.150 and vaginal cancer, but also a high number.

NOTE Confidence: 0.85195917

00:45:59.150 --> 00:46:00.776 **** cancers as well that will

NOTE Confidence: 0.85195917

00:46:00.776 --> 00:46:02.250 affect both men and women,

NOTE Confidence: 0.85195917

00:46:02.250 --> 00:46:03.993 and I think that will should really

NOTE Confidence: 0.85195917

00:46:03.993 --> 00:46:06.039 be a theme throughout is really the

NOTE Confidence: 0.85195917

00:46:06.039 --> 00:46:08.170 impact that is also happening on men,

NOTE Confidence: 0.85195917

00:46:08.170 --> 00:46:09.925 especially for our audience who

NOTE Confidence: 0.85195917

00:46:09.925 --> 00:46:12.039 may have a practice where they

NOTE Confidence: 0.85195917

00:46:12.039 --> 00:46:13.479 see both men and women.

NOTE Confidence: 0.85195917

00:46:13.480 --> 00:46:15.300 But if their efficacy in

NOTE Confidence: 0.85195917

00:46:15.300 --> 00:46:16.756 this vaccine and how?

NOTE Confidence: 0.85195917

00:46:16.760 --> 00:46:19.512 What is the data show in terms of

NOTE Confidence: 0.85195917

00:46:19.512 --> 00:46:21.490 the prevention of these cancers?

NOTE Confidence: 0.85195917

00:46:21.490 --> 00:46:23.639 And we see that in people aged

NOTE Confidence: 0.85195917

00:46:23.639 --> 00:46:26.218 16 to 23 in multiple studies,

NOTE Confidence: 0.85195917

00:46:26.220 --> 00:46:28.398 those cancers that were HPV related.

NOTE Confidence: 0.85195917

00:46:28.400 --> 00:46:28.778 Specifically,

NOTE Confidence: 0.85195917

00:46:28.778 --> 00:46:30.668 there were significant efficacy in

NOTE Confidence: 0.85195917

00:46:30.668 --> 00:46:32.920 reducing the burden of HPV related

NOTE Confidence: 0.85195917

00:46:32.920 --> 00:46:34.960 malignancies as well in student awards,

NOTE Confidence: 0.85195917

00:46:34.960 --> 00:46:36.640 which are significant burden on

NOTE Confidence: 0.85195917

00:46:36.640 --> 00:46:39.049 both our patients but also in our

NOTE Confidence: 0.85195917

00:46:39.049 --> 00:46:41.035 health care system and millions of

NOTE Confidence: 0.85195917

00:46:41.035 --> 00:46:42.992 dollars expense annually on managing

NOTE Confidence: 0.85195917

00:46:42.992 --> 00:46:45.052 these diseases that are really

NOTE Confidence: 0.85195917

00:46:45.052 --> 00:46:46.830 preventable through primary prevention.

NOTE Confidence: 0.85195917

00:46:46.830 --> 00:46:49.680 So what are the indications according

NOTE Confidence: 0.85195917

00:46:49.680 --> 00:46:53.052 to the FDA and half of right now it

NOTE Confidence: 0.85195917

00:46:53.052 --> 00:46:55.182 is indicated for girls and women

NOTE Confidence: 0.85195917

00:46:55.182 --> 00:46:57.625 9 through 45 and talk about the

NOTE Confidence: 0.85195917

00:46:57.630 --> 00:46:59.868 expansion to 45 for the prevention

NOTE Confidence: 0.85195917

00:46:59.868 --> 00:47:01.360 of the following diseases.

NOTE Confidence: 0.85195917

00:47:01.360 --> 00:47:03.230 So this is cervical, vulvar,

NOTE Confidence: 0.85195917

00:47:03.230 --> 00:47:04.346 vaginal, **** oropharyngeal,

NOTE Confidence: 0.85195917

00:47:04.346 --> 00:47:05.834 another head and neck,

NOTE Confidence: 0.85195917

00:47:05.840 --> 00:47:07.184 cancers related to HPV,

NOTE Confidence: 0.85195917

00:47:07.184 --> 00:47:09.684 as well as the benign but bothersome

NOTE Confidence: 0.85195917

00:47:09.684 --> 00:47:12.561 genital warts that are caused by the

NOTE Confidence: 0.85195917

00:47:12.561 --> 00:47:14.888 6:11 subtype as well as prevention

NOTE Confidence: 0.85195917

00:47:14.888 --> 00:47:17.030 of the pre invasive disease of

NOTE Confidence: 0.85195917

00:47:17.030 --> 00:47:18.500 the lower channel.

NOTE Confidence: 0.85195917

00:47:18.500 --> 00:47:21.930 Tract is a very similar recommendation for

NOTE Confidence: 0.746863649090909

00:47:22.018 --> 00:47:25.558 boys. However, obviously know CI Nbin vein,

NOTE Confidence: 0.746863649090909

00:47:25.560 --> 00:47:29.630 but otherwise I'm very similar.

NOTE Confidence: 0.746863649090909

00:47:29.630 --> 00:47:30.713 Recommendation indication there?

NOTE Confidence: 0.746863649090909

00:47:30.713 --> 00:47:33.634 So where does the data come that helps

NOTE Confidence: 0.746863649090909

00:47:33.634 --> 00:47:35.662 us guide our decision making regarding

NOTE Confidence: 0.746863649090909

00:47:35.662 --> 00:47:37.522 the expansion of the vaccine towards

NOTE Confidence: 0.746863649090909

00:47:37.522 --> 00:47:40.271 people who are 24 to 45 and so in this

NOTE Confidence: 0.746863649090909

00:47:40.271 --> 00:47:43.560 study and this is a sort of end of study.

NOTE Confidence: 0.746863649090909

00:47:43.560 --> 00:47:45.919 Follow up paper looking at this age

NOTE Confidence: 0.746863649090909

00:47:45.919 --> 00:47:47.973 group specifically in women and they

NOTE Confidence: 0.746863649090909

00:47:47.973 --> 00:47:49.923 use the quadrivalent vaccine and we

NOTE Confidence: 0.746863649090909

00:47:49.923 --> 00:47:52.093 have no reason to believe that the

NOTE Confidence: 0.746863649090909

00:47:52.093 --> 00:47:54.576 efficacy will not be as good in the

NOTE Confidence: 0.746863649090909

00:47:54.576 --> 00:47:56.196 nano valent vaccine Gardasil Nine.

NOTE Confidence: 0.746863649090909

00:47:56.200 --> 00:47:58.324 They looked at a number of

NOTE Confidence: 0.746863649090909

00:47:58.324 --> 00:47:59.740 outcomes related to HPV.

NOTE Confidence: 0.746863649090909

00:47:59.740 --> 00:48:02.388 Section and here in the per protocol name.

NOTE Confidence: 0.746863649090909

00:48:02.390 --> 00:48:03.955 Besides that, because the intention

NOTE Confidence: 0.746863649090909

00:48:03.955 --> 00:48:06.359 to treat is a little bit different,

NOTE Confidence: 0.746863649090909

00:48:06.360 --> 00:48:09.016 we look at the observed efficacy of the

NOTE Confidence: 0.746863649090909

00:48:09.016 --> 00:48:11.949 vaccine in preventing a number of different.

NOTE Confidence: 0.746863649090909

00:48:11.950 --> 00:48:14.834 Outcomes and when we look at overall

NOTE Confidence: 0.746863649090909

00:48:14.834 --> 00:48:17.278 persistent infection or CNN or other

NOTE Confidence: 0.746863649090909

00:48:17.278 --> 00:48:19.168 disease of lower genital tract,

NOTE Confidence: 0.746863649090909

00:48:19.170 --> 00:48:22.295 the efficacy was about 88% a little better

NOTE Confidence: 0.746863649090909

00:48:22.295 --> 00:48:25.990 in those who are younger and a little less,

NOTE Confidence: 0.746863649090909

00:48:25.990 --> 00:48:27.990 and those who are older.

NOTE Confidence: 0.746863649090909

00:48:27.990 --> 00:48:28.391 However,

NOTE Confidence: 0.746863649090909

00:48:28.391 --> 00:48:32.000 the the impact CIN two or three or worse.

NOTE Confidence: 0.746863649090909

00:48:32.000 --> 00:48:33.988 Although listed as 83.

NOTE Confidence: 0.746863649090909

00:48:33.988 --> 00:48:35.479 Unfortunately those confident

NOTE Confidence: 0.746863649090909

00:48:35.479 --> 00:48:38.540 interval do cross one and so the the

NOTE Confidence: 0.746863649090909

00:48:38.540 --> 00:48:40.819 impact there may not be as strong.

NOTE Confidence: 0.746863649090909

00:48:40.820 --> 00:48:41.801 However you know.

NOTE Confidence: 0.746863649090909

00:48:41.801 --> 00:48:43.763 I've had many patients who come

NOTE Confidence: 0.746863649090909

00:48:43.763 --> 00:48:44.760 into my office.

NOTE Confidence: 0.746863649090909

00:48:44.760 --> 00:48:46.517 Not a lot of questions about this

NOTE Confidence: 0.746863649090909

00:48:46.517 --> 00:48:48.377 and they fit in that age category

NOTE Confidence: 0.746863649090909

00:48:48.377 --> 00:48:50.374 and we'll talk about how to address

NOTE Confidence: 0.746863649090909

00:48:50.374 --> 00:48:52.204 that on a very individualized

NOTE Confidence: 0.746863649090909

00:48:52.204 --> 00:48:54.050 individual risk assessment so that

NOTE Confidence: 0.746863649090909

00:48:54.050 --> 00:48:56.330 we can help women make informed

NOTE Confidence: 0.746863649090909

00:48:56.330 --> 00:48:58.789 decisions with the data that we have.

NOTE Confidence: 0.746863649090909

00:48:58.790 --> 00:49:01.070 So currently the CDC recommends

NOTE Confidence: 0.746863649090909

00:49:01.070 --> 00:49:02.894 that as of 2019,

NOTE Confidence: 0.746863649090909

00:49:02.900 --> 00:49:05.585 harmonization of catch up vaccination

NOTE Confidence: 0.746863649090909

00:49:05.585 --> 00:49:07.733 for appropriate persons through

NOTE Confidence: 0.746863649090909

00:49:07.733 --> 00:49:10.546 age 26 should be undertaken and the

NOTE Confidence: 0.746863649090909

00:49:10.546 --> 00:49:13.895 that group from 27 on 245 is really

NOTE Confidence: 0.746863649090909

00:49:13.895 --> 00:49:15.695 shared clinical decision making.

NOTE Confidence: 0.746863649090909

00:49:15.700 --> 00:49:18.409 So I saw a young woman recently

NOTE Confidence: 0.746863649090909

00:49:18.409 --> 00:49:21.678 in my practice who have been in

NOTE Confidence: 0.746863649090909

00:49:21.678 --> 00:49:23.698 a monogamist relationship since

NOTE Confidence: 0.746863649090909

00:49:23.698 --> 00:49:25.756 their first ****** encounter.

NOTE Confidence: 0.746863649090909

00:49:25.756 --> 00:49:28.036 She's now 2829 years old.

NOTE Confidence: 0.746863649090909

00:49:28.040 --> 00:49:29.105 Unfortunately,

NOTE Confidence: 0.746863649090909

00:49:29.105 --> 00:49:30.170 she.

NOTE Confidence: 0.746863649090909

00:49:30.170 --> 00:49:32.390 Gone through into 4th and it's

NOTE Confidence: 0.746863649090909

00:49:32.390 --> 00:49:34.266 reentering the dating and had

NOTE Confidence: 0.746863649090909

00:49:34.266 --> 00:49:35.916 questions about the efficacy of

NOTE Confidence: 0.746863649090909

00:49:35.916 --> 00:49:39.021 this and so we talked about that and

NOTE Confidence: 0.746863649090909

00:49:39.021 --> 00:49:40.737 through shared clinical decision

NOTE Confidence: 0.746863649090909

00:49:40.737 --> 00:49:42.743 making she decided to proceed

NOTE Confidence: 0.746863649090909

00:49:42.743 --> 00:49:44.267 with getting the vaccination.

NOTE Confidence: 0.746863649090909

00:49:44.270 --> 00:49:46.398 Now that's not to say that that

NOTE Confidence: 0.746863649090909

00:49:46.398 --> 00:49:48.937 is going to provide her the same

NOTE Confidence: 0.746863649090909

00:49:48.937 --> 00:49:51.812 efficacy of someone at the younger age

NOTE Confidence: 0.746863649090909

00:49:51.812 --> 00:49:54.167 category of the FDA recommendations,

NOTE Confidence: 0.746863649090909

00:49:54.170 --> 00:49:56.515 but she still falls within the CDC

NOTE Confidence: 0.746863649090909

00:49:56.515 --> 00:49:59.049 and the FDA recommendations and.

NOTE Confidence: 0.746863649090909

00:49:59.050 --> 00:50:00.394 I would encourage you to have those.

NOTE Confidence: 0.746863649090909

00:50:00.400 --> 00:50:02.792 Conversations with patients on

NOTE Confidence: 0.746863649090909

00:50:02.792 --> 00:50:05.184 a very individualized level.

NOTE Confidence: 0.746863649090909

00:50:05.190 --> 00:50:07.304 So there are a number of women

NOTE Confidence: 0.746863649090909

00:50:07.304 --> 00:50:08.658 nationwide still could benefit

NOTE Confidence: 0.746863649090909

00:50:08.658 --> 00:50:10.206 from updating their vaccination

NOTE Confidence: 0.746863649090909

00:50:10.206 --> 00:50:12.583 status through this catch up cohort

NOTE Confidence: 0.746863649090909

00:50:12.583 --> 00:50:14.087 and even more importantly,

NOTE Confidence: 0.746863649090909

00:50:14.090 --> 00:50:16.907 are a number of men and so for those

NOTE Confidence: 0.746863649090909

00:50:16.907 --> 00:50:19.493 of you who also take care of a

NOTE Confidence: 0.746863649090909

00:50:19.493 --> 00:50:22.278 man in your primary care practice,

NOTE Confidence: 0.746863649090909

00:50:22.280 --> 00:50:24.566 I would encourage you to consider

NOTE Confidence: 0.746863649090909

00:50:24.566 --> 00:50:27.590 this and when speaking with them about

NOTE Confidence: 0.746863649090909

00:50:27.590 --> 00:50:29.494 their overall primary prevention.

NOTE Confidence: 0.746863649090909

00:50:29.500 --> 00:50:31.476 We can't go through a talk in this

NOTE Confidence: 0.746863649090909

00:50:31.476 --> 00:50:32.825 time period without discussing

NOTE Confidence: 0.746863649090909

00:50:32.825 --> 00:50:34.019 safety of vaccine.

NOTE Confidence: 0.84948033

00:50:34.020 --> 00:50:35.220 It's on everybody's mind

NOTE Confidence: 0.84948033

00:50:35.220 --> 00:50:36.420 with the covid vaccine,

NOTE Confidence: 0.84948033

00:50:36.420 --> 00:50:38.628 but just to highlight that this is a

NOTE Confidence: 0.84948033

00:50:38.628 --> 00:50:40.780 very safe vaccine with very minimal

NOTE Confidence: 0.84948033

00:50:40.780 --> 00:50:43.084 side effects and low grade toxicities.

NOTE Confidence: 0.84948033

00:50:43.090 --> 00:50:45.610 So what can we do to increase vaccination

NOTE Confidence: 0.84948033

00:50:45.610 --> 00:50:48.091 rates here in Connecticut to try to prevent

NOTE Confidence: 0.84948033

00:50:48.091 --> 00:50:50.500 all of these HPV related infections?

NOTE Confidence: 0.84948033

00:50:50.500 --> 00:50:51.550 And more importantly,

NOTE Confidence: 0.84948033

00:50:51.550 --> 00:50:54.000 is HPV related building that sees and

NOTE Confidence: 0.84948033

00:50:54.068 --> 00:50:56.138 we want to assess the immunization

NOTE Confidence: 0.84948033

00:50:56.138 --> 00:50:58.183 status and for patients at each

NOTE Confidence: 0.84948033

00:50:58.183 --> 00:51:00.001 clinical encounter and then what I

NOTE Confidence: 0.84948033

00:51:00.001 --> 00:51:02.138 think is probably the most important

NOTE Confidence: 0.84948033

00:51:02.138 --> 00:51:04.430 is the recommendation of the provider

NOTE Confidence: 0.84948033

00:51:04.489 --> 00:51:06.283 and patients very much rely on

NOTE Confidence: 0.84948033

00:51:06.283 --> 00:51:08.497 your opinion in your and value your

NOTE Confidence: 0.84948033

00:51:08.497 --> 00:51:10.082 input into their decision making

NOTE Confidence: 0.84948033

00:51:10.082 --> 00:51:12.140 and so by educating yourself about

NOTE Confidence: 0.84948033

00:51:12.140 --> 00:51:13.915 this data in these recommendations.

NOTE Confidence: 0.84948033

00:51:13.920 --> 00:51:16.552 You'll be able to provide a strong

NOTE Confidence: 0.84948033

00:51:16.552 --> 00:51:17.680 recommendation is appropriate

NOTE Confidence: 0.84948033

00:51:17.741 --> 00:51:18.740 for that patient.

NOTE Confidence: 0.84948033

00:51:18.740 --> 00:51:20.924 We want to either administer within

NOTE Confidence: 0.84948033

00:51:20.924 --> 00:51:23.404 our own practices or refer onto a

NOTE Confidence: 0.84948033

00:51:23.404 --> 00:51:25.630 either a pharmacy or clinic that can

NOTE Confidence: 0.84948033

00:51:25.704 --> 00:51:28.200 provide vaccination and to ensure that

NOTE Confidence: 0.84948033

00:51:28.200 --> 00:51:30.612 our vaccination status is updated and

NOTE Confidence: 0.84948033

00:51:30.612 --> 00:51:32.838 documented for all of our patients.

NOTE Confidence: 0.84948033

00:51:32.840 --> 00:51:34.810 These measures are supported by

NOTE Confidence: 0.84948033

00:51:34.810 --> 00:51:37.190 ACOG and encouraged and there are

NOTE Confidence: 0.84948033

00:51:37.190 --> 00:51:39.206 a number of opportunities that you

NOTE Confidence: 0.84948033

00:51:39.206 --> 00:51:41.953 could look at in the evolution of

NOTE Confidence: 0.84948033

00:51:41.953 --> 00:51:44.038 their relationship with your patients.

NOTE Confidence: 0.84948033

00:51:44.040 --> 00:51:45.920 Beginning is when they transition

NOTE Confidence: 0.84948033

00:51:45.920 --> 00:51:47.800 from care from the pediatricians

NOTE Confidence: 0.84948033

00:51:47.862 --> 00:51:49.630 office into gynecological care,

NOTE Confidence: 0.84948033

00:51:49.630 --> 00:51:52.101 and so perhaps they did not or

NOTE Confidence: 0.84948033

00:51:52.101 --> 00:51:55.029 not offered or or did not accept

NOTE Confidence: 0.84948033

00:51:55.029 --> 00:51:57.264 vaccination in that earlier cohort

NOTE Confidence: 0.84948033

00:51:57.264 --> 00:51:59.599 than nine nine years and up.

NOTE Confidence: 0.84948033

00:51:59.600 --> 00:52:01.868 And so this transition into care

NOTE Confidence: 0.84948033

00:52:01.868 --> 00:52:04.103 interview I am practice is an

NOTE Confidence: 0.84948033

00:52:04.103 --> 00:52:06.047 opportunity to re address the data

NOTE Confidence: 0.84948033

00:52:06.047 --> 00:52:08.208 and and discuss that opportunity

NOTE Confidence: 0.84948033

00:52:08.208 --> 00:52:10.608 with patients when we're giving

NOTE Confidence: 0.84948033

00:52:10.608 --> 00:52:12.809 other vaccines brings up another

NOTE Confidence: 0.84948033

00:52:12.809 --> 00:52:14.048 opportunity to discuss.

NOTE Confidence: 0.84948033

00:52:14.050 --> 00:52:16.246 The increased use of HPV vaccination

NOTE Confidence: 0.84948033

00:52:16.246 --> 00:52:18.814 and we talked before a little bit

NOTE Confidence: 0.84948033

00:52:18.814 --> 00:52:20.544 about how Mcninja cockle vaccine

NOTE Confidence: 0.84948033

00:52:20.544 --> 00:52:22.913 given at a very similar age have

NOTE Confidence: 0.84948033

00:52:22.913 --> 00:52:24.518 very high rates of uptake.

NOTE Confidence: 0.84948033

00:52:24.520 --> 00:52:26.928 But we do not see that same experience

NOTE Confidence: 0.84948033

00:52:26.928 --> 00:52:29.398 with HPV and so by including HPV

NOTE Confidence: 0.84948033

00:52:29.398 --> 00:52:31.193 vaccination in the discussion at

NOTE Confidence: 0.84948033

00:52:31.264 --> 00:52:33.496 the same time will provide an

NOTE Confidence: 0.84948033

00:52:33.496 --> 00:52:35.670 opportunity hopefully to see increased

NOTE Confidence: 0.84948033

00:52:35.670 --> 00:52:37.710 rates of vaccination.

NOTE Confidence: 0.84948033

00:52:37.710 --> 00:52:40.398 As people are heading off to college,

NOTE Confidence: 0.84948033

00:52:40.400 --> 00:52:41.549 this provides another

NOTE Confidence: 0.84948033

00:52:41.549 --> 00:52:42.698 opportunity for counseling,

NOTE Confidence: 0.84948033

00:52:42.700 --> 00:52:44.962 either in combination with other counseling

NOTE Confidence: 0.84948033

00:52:44.962 --> 00:52:46.930 efforts regarding perhaps birth control,

NOTE Confidence: 0.84948033

00:52:46.930 --> 00:52:48.208 or pap smears,

NOTE Confidence: 0.84948033

00:52:48.208 --> 00:52:50.338 but this is another opportunity

NOTE Confidence: 0.84948033

00:52:50.338 --> 00:52:53.462 where you may be able to provide an

NOTE Confidence: 0.84948033

00:52:53.462 --> 00:52:56.352 opportunity for man or woman to become

NOTE Confidence: 0.84948033

00:52:56.352 --> 00:52:59.495 vaccinated prior to heading off to college.

NOTE Confidence: 0.84948033

00:52:59.500 --> 00:53:01.010 And like I said before,

NOTE Confidence: 0.84948033

00:53:01.010 --> 00:53:02.395 the greatest predictor in this

NOTE Confidence: 0.84948033

00:53:02.395 --> 00:53:04.153 affectionate and a lot of studies

NOTE Confidence: 0.84948033

00:53:04.153 --> 00:53:05.437 is really the recommendation

NOTE Confidence: 0.84948033

00:53:05.437 --> 00:53:07.042 of the health care provider,

NOTE Confidence: 0.84948033

00:53:07.050 --> 00:53:09.826 and so take that to heart and and

NOTE Confidence: 0.84948033

00:53:09.826 --> 00:53:12.008 patience really value that we're trying

NOTE Confidence: 0.84948033

00:53:12.008 --> 00:53:14.629 to make a decision on what to do.

NOTE Confidence: 0.84948033

00:53:14.630 --> 00:53:15.982 I'm definitely gonna laryngologist

NOTE Confidence: 0.84948033

00:53:15.982 --> 00:53:17.672 or any anti through my.

NOTE Confidence: 0.84948033

00:53:17.680 --> 00:53:19.822 I want to highlight how we're really

NOTE Confidence: 0.84948033

00:53:19.822 --> 00:53:21.473 trying to expand the messaging

NOTE Confidence: 0.84948033

00:53:21.473 --> 00:53:23.148 around vaccination to not just

NOTE Confidence: 0.84948033

00:53:23.148 --> 00:53:25.139 be related to cervical cancer,

NOTE Confidence: 0.84948033

00:53:25.140 --> 00:53:27.516 but the word in the HPV has on

NOTE Confidence: 0.84948033

00:53:27.516 --> 00:53:30.095 the number of other head and neck

NOTE Confidence: 0.84948033

00:53:30.095 --> 00:53:31.238 cancers into frame.

NOTE Confidence: 0.84948033

00:53:31.240 --> 00:53:31.886 Our discussions,

NOTE Confidence: 0.84948033

00:53:31.886 --> 00:53:34.147 more around HPV vaccination as a way

NOTE Confidence: 0.84948033

00:53:34.147 --> 00:53:36.010 to hopefully prevent a malignancy

NOTE Confidence: 0.84948033

00:53:36.010 --> 00:53:38.224 and less around the HPV infection

NOTE Confidence: 0.82061845

00:53:38.290 --> 00:53:40.786 itself and the stigma that may be associated

NOTE Confidence: 0.82061845

00:53:40.786 --> 00:53:43.110 with that for one reason or another.

NOTE Confidence: 0.82061845

00:53:43.110 --> 00:53:45.918 We see that there is a relationship between.

NOTE Confidence: 0.82061845

00:53:45.920 --> 00:53:48.280 HPV and cancers of the head and neck.

NOTE Confidence: 0.82061845

00:53:48.280 --> 00:53:50.928 And we see that the prevalence of different

NOTE Confidence: 0.82061845

00:53:50.928 --> 00:53:53.380 HPV types is very similar to what we

NOTE Confidence: 0.82061845

00:53:53.380 --> 00:53:55.599 see in our cervical cancer patients.

NOTE Confidence: 0.82061845

00:53:55.600 --> 00:53:56.719 Very interesting Lee.

NOTE Confidence: 0.82061845

00:53:56.719 --> 00:53:58.584 We've seen a decline of

NOTE Confidence: 0.82061845

00:53:58.584 --> 00:54:00.310 cervical cancer over the years,

NOTE Confidence: 0.82061845

00:54:00.310 --> 00:54:02.844 but are beginning to see an increased

NOTE Confidence: 0.82061845

00:54:02.844 --> 00:54:04.654 rate of oral, pharyngeal cancer,

NOTE Confidence: 0.82061845

00:54:04.654 --> 00:54:05.740 especially among men,

NOTE Confidence: 0.82061845

00:54:05.740 --> 00:54:07.912 and there are significantly more or

NOTE Confidence: 0.82061845

00:54:07.912 --> 00:54:09.360 fragile cancers diagnosed annually,

NOTE Confidence: 0.82061845

00:54:09.360 --> 00:54:11.155 which just brings even more

NOTE Confidence: 0.82061845

00:54:11.155 --> 00:54:13.734 importance to why we need to include

NOTE Confidence: 0.82061845

00:54:13.734 --> 00:54:15.870 that as part of our counseling.

NOTE Confidence: 0.82061845

00:54:15.870 --> 00:54:17.904 And when we're discussing the benefits

NOTE Confidence: 0.82061845

00:54:17.904 --> 00:54:20.579 that we can expect from HPV vaccination,

NOTE Confidence: 0.82061845

00:54:20.580 --> 00:54:23.556 males are affected 5 times more than females

NOTE Confidence: 0.82061845

00:54:23.556 --> 00:54:26.669 when it comes to these types of cancers.

NOTE Confidence: 0.82061845

00:54:26.670 --> 00:54:29.289 And so it really is behooves us to discuss

NOTE Confidence: 0.82061845

00:54:29.289 --> 00:54:31.889 these benefits at every clinical encounter.

NOTE Confidence: 0.82061845

00:54:31.890 --> 00:54:34.338 So if you're carrying for a mother who

NOTE Confidence: 0.82061845

00:54:34.338 --> 00:54:37.470 has a male child who is perhaps of the age

NOTE Confidence: 0.82061845

00:54:37.470 --> 00:54:40.589 that he could benefit from HPV vaccination,

NOTE Confidence: 0.82061845

00:54:40.590 --> 00:54:42.552 that's an important discussion that you

NOTE Confidence: 0.82061845

00:54:42.552 --> 00:54:45.014 can have as the primary care provider

NOTE Confidence: 0.82061845

00:54:45.014 --> 00:54:47.192 of the mother of the grandmother,

NOTE Confidence: 0.82061845

00:54:47.200 --> 00:54:48.028 whoever it is,

NOTE Confidence: 0.82061845

00:54:48.028 --> 00:54:49.960 and the more that we move this

NOTE Confidence: 0.82061845

00:54:50.025 --> 00:54:52.420 conversation towards HBF and infection.

NOTE Confidence: 0.82061845

00:54:52.420 --> 00:54:54.508 And HPV vaccination as a cancer

NOTE Confidence: 0.82061845

00:54:54.508 --> 00:54:55.204 prevention strategy.

NOTE Confidence: 0.82061845

00:54:55.210 --> 00:54:58.378 We hope to see increased rates

NOTE Confidence: 0.82061845

00:54:58.378 --> 00:54:59.434 of vaccination.

NOTE Confidence: 0.82061845

00:54:59.440 --> 00:55:01.612 And again, I think again, you know,

NOTE Confidence: 0.82061845

00:55:01.612 --> 00:55:03.824 I can't phrase it out any other

NOTE Confidence: 0.82061845

00:55:03.824 --> 00:55:06.186 way than just we have to try to,

NOTE Confidence: 0.82061845

00:55:06.190 --> 00:55:06.748 you know,

NOTE Confidence: 0.82061845

00:55:06.748 --> 00:55:08.701 provide our patients with all of the

NOTE Confidence: 0.82061845

00:55:08.701 --> 00:55:11.113 data in all of the information on the

NOTE Confidence: 0.82061845

00:55:11.113 --> 00:55:12.724 potential benefits of this cancer

NOTE Confidence: 0.82061845

00:55:12.724 --> 00:55:14.394 prevention strategy and hope that

NOTE Confidence: 0.82061845

00:55:14.394 --> 00:55:16.935 through that we can remove some of the

NOTE Confidence: 0.82061845

00:55:16.935 --> 00:55:18.470 stigma associated with HPV vaccination.

NOTE Confidence: 0.82061845

00:55:18.470 --> 00:55:20.505 And it highlights the importance

NOTE Confidence: 0.82061845

00:55:20.505 --> 00:55:23.080 for both men and for women.

NOTE Confidence: 0.82061845

00:55:23.080 --> 00:55:24.720 So with that in mind,

NOTE Confidence: 0.82061845

00:55:24.720 --> 00:55:25.900 and having you know,

NOTE Confidence: 0.82061845

00:55:25.900 --> 00:55:28.442 talked on and on about the importance of

NOTE Confidence: 0.82061845

00:55:28.442 --> 00:55:31.258 HPV and how it relates to cervical cancer,

NOTE Confidence: 0.82061845

00:55:31.260 --> 00:55:34.530 I do want to talk a little bit of both.

NOTE Confidence: 0.82061845

00:55:34.530 --> 00:55:35.978 The updated ASEP management

NOTE Confidence: 0.82061845

00:55:35.978 --> 00:55:38.150 guidelines and how they are really

NOTE Confidence: 0.82061845

00:55:38.209 --> 00:55:40.169 well summarized in what I think is

NOTE Confidence: 0.82061845

00:55:40.169 --> 00:55:42.705 a pretty easy to use app that you

NOTE Confidence: 0.82061845

00:55:42.705 --> 00:55:44.340 may consider incorporating into your

NOTE Confidence: 0.82061845

00:55:44.340 --> 00:55:46.492 practice and and as a way to help

NOTE Confidence: 0.82061845

00:55:46.492 --> 00:55:48.185 with stratify and provide patients

NOTE Confidence: 0.82061845

00:55:48.185 --> 00:55:50.015 with the most up-to-date information

NOTE Confidence: 0.82061845

00:55:50.015 --> 00:55:52.179 on the risk of cervical cancer.

NOTE Confidence: 0.82061845

00:55:52.180 --> 00:55:54.595 And so this app reflects the 2019.

NOTE Confidence: 0.82061845

00:55:54.600 --> 00:55:56.628 Updated guidelines and once in the

NOTE Confidence: 0.82061845

00:55:56.628 --> 00:55:58.880 greatest shift is it really highlights

NOTE Confidence: 0.82061845

00:55:58.880 --> 00:56:01.388 the incorporation in the important of

NOTE Confidence: 0.82061845

00:56:01.388 --> 00:56:03.640 test history into calculating risk.

NOTE Confidence: 0.82061845

00:56:03.640 --> 00:56:06.454 So you'll see and will provide an

NOTE Confidence: 0.82061845

00:56:06.454 --> 00:56:08.748 example tonight of how it looks,

NOTE Confidence: 0.82061845

00:56:08.750 --> 00:56:11.494 but it's not just about that one.

NOTE Confidence: 0.82061845

00:56:11.500 --> 00:56:13.858 Single smears a snapshot in time.

NOTE Confidence: 0.82061845

00:56:13.860 --> 00:56:16.422 The data is really supporting the use

NOTE Confidence: 0.82061845

00:56:16.422 --> 00:56:18.832 of understanding a woman's history of

NOTE Confidence: 0.82061845

00:56:18.832 --> 00:56:21.316 dysplasia in history of HPV infection.

NOTE Confidence: 0.82061845

00:56:21.320 --> 00:56:24.589 In order to really understand what is

NOTE Confidence: 0.82061845

00:56:24.589 --> 00:56:26.920 her individualized risk assessment.

NOTE Confidence: 0.82061845

00:56:26.920 --> 00:56:30.630 And so we've known for a number of years now.

NOTE Confidence: 0.82061845

00:56:30.630 --> 00:56:32.844 The HPV based testing strategies are

NOTE Confidence: 0.82061845

00:56:32.844 --> 00:56:34.710 certainly superior to cytology alone.

NOTE Confidence: 0.82061845

00:56:34.710 --> 00:56:37.248 This is really a Sentinel paper

NOTE Confidence: 0.82061845

00:56:37.248 --> 00:56:38.940 that highlighted that showing

NOTE Confidence: 0.7676742

00:56:39.014 --> 00:56:41.051 that on the bottom here we can

NOTE Confidence: 0.7676742

00:56:41.051 --> 00:56:43.539 see HPV and HPV Co testing in

NOTE Confidence: 0.7676742

00:56:43.539 --> 00:56:45.464 the incidence of Cinc predicted.

NOTE Confidence: 0.7676742

00:56:45.470 --> 00:56:48.503 The incidence of CI and three or more above

NOTE Confidence: 0.7676742

00:56:48.503 --> 00:56:51.774 in the pop history is well really matters.

NOTE Confidence: 0.7676742

00:56:51.780 --> 00:56:54.126 This is a paper currently impressing

NOTE Confidence: 0.7676742

00:56:54.126 --> 00:56:56.509 highlighted at the recent FGO meeting.

NOTE Confidence: 0.7676742

00:56:56.510 --> 00:56:58.490 Just highlighting the real importance

NOTE Confidence: 0.7676742

00:56:58.490 --> 00:57:00.074 in understanding the multiple

NOTE Confidence: 0.7676742

00:57:00.074 --> 00:57:01.762 prior screening events that a

NOTE Confidence: 0.7676742

00:57:01.762 --> 00:57:03.616 woman has undergone and trying to

NOTE Confidence: 0.7676742

00:57:03.673 --> 00:57:05.408 assess her individual life risk.

NOTE Confidence: 0.7676742

00:57:05.410 --> 00:57:07.234 And that's what this app really

NOTE Confidence: 0.7676742

00:57:07.234 --> 00:57:09.330 provides a chance to individualize.

NOTE Confidence: 0.7676742

00:57:09.330 --> 00:57:11.892 Some of the risk assessment so they

NOTE Confidence: 0.7676742

00:57:11.892 --> 00:57:13.719 can make appropriate decisions for

NOTE Confidence: 0.7676742

00:57:13.719 --> 00:57:16.008 themselves and so we see here on

NOTE Confidence: 0.7676742

00:57:16.008 --> 00:57:18.566 the left that a woman with three

NOTE Confidence: 0.7676742

00:57:18.566 --> 00:57:21.012 negative code tests really have a near

NOTE Confidence: 0.7676742

00:57:21.012 --> 00:57:23.920 negligible risk of a CIN 3 or above.

NOTE Confidence: 0.7676742

00:57:23.920 --> 00:57:26.266 Whereas someone who is HPV positive

NOTE Confidence: 0.7676742

00:57:26.266 --> 00:57:28.200 or persistently HPV positive or

NOTE Confidence: 0.7676742

00:57:28.200 --> 00:57:29.725 have had treatment for sin.

NOTE Confidence: 0.7676742

00:57:29.730 --> 00:57:31.490 Three or above lesion,

NOTE Confidence: 0.7676742

00:57:31.490 --> 00:57:34.723 certainly at higher risk than her well

NOTE Confidence: 0.7676742

00:57:34.723 --> 00:57:37.759 tested and Co test negative counterpart.

NOTE Confidence: 0.7676742

00:57:37.760 --> 00:57:40.104 And so this is reflected in the app

NOTE Confidence: 0.7676742

00:57:40.104 --> 00:57:42.753 and those who do have use dinner or

NOTE Confidence: 0.7676742

00:57:42.753 --> 00:57:45.040 review the guidelines can appreciate the

NOTE Confidence: 0.7676742

00:57:45.040 --> 00:57:47.698 differences in the recommendations and how

NOTE Confidence: 0.7676742

00:57:47.698 --> 00:57:49.966 things are looking compared to before,

NOTE Confidence: 0.7676742

00:57:49.966 --> 00:57:52.521 but it's really all about risk assessment

NOTE Confidence: 0.7676742

00:57:52.521 --> 00:57:54.631 as opposed to direct indications

NOTE Confidence: 0.7676742

00:57:54.631 --> 00:57:56.959 and recommendations on what to do

NOTE Confidence: 0.7676742

00:57:56.959 --> 00:57:58.693 next for treatment or or testing.

NOTE Confidence: 0.7676742

00:57:58.700 --> 00:58:01.697 So this is just a little example of how

NOTE Confidence: 0.7676742

00:58:01.697 --> 00:58:05.205 the app looks so on the left hand panel

NOTE Confidence: 0.7676742

00:58:05.205 --> 00:58:07.608 we've selected perhaps a woman who.

NOTE Confidence: 0.7676742

00:58:07.610 --> 00:58:08.978 Is 25 to 29.

NOTE Confidence: 0.7676742

00:58:08.978 --> 00:58:10.688 Although not a great example,

NOTE Confidence: 0.7676742

00:58:10.690 --> 00:58:12.712 'cause we should probably be focused

NOTE Confidence: 0.7676742

00:58:12.712 --> 00:58:15.537 on 30 to 65 if we're looking at

NOTE Confidence: 0.7676742

00:58:15.537 --> 00:58:18.040 the importance of HPV and then we

NOTE Confidence: 0.7676742

00:58:18.040 --> 00:58:20.624 select that and then we go down to

NOTE Confidence: 0.7676742

00:58:20.624 --> 00:58:22.660 indicate that we're interested in the

NOTE Confidence: 0.7676742

00:58:22.660 --> 00:58:24.370 management of routine screening results,

NOTE Confidence: 0.7676742

00:58:24.370 --> 00:58:26.463 and then we are able to select

NOTE Confidence: 0.7676742

00:58:26.463 --> 00:58:28.130 all of these different.

NOTE Confidence: 0.7676742

00:58:28.130 --> 00:58:29.915 All these different variables that

NOTE Confidence: 0.7676742

00:58:29.915 --> 00:58:32.052 will go into helping predict risk

NOTE Confidence: 0.7676742

00:58:32.052 --> 00:58:34.110 and what's new and important is the

NOTE Confidence: 0.7676742

00:58:34.110 --> 00:58:36.572 question of whether or not patient has

NOTE Confidence: 0.7676742

00:58:36.572 --> 00:58:38.790 previous screening results that could be.

NOTE Confidence: 0.7676742

00:58:38.790 --> 00:58:41.190 Input it into this algorithm to

NOTE Confidence: 0.7676742

00:58:41.190 --> 00:58:43.660 help us understand what to do next,

NOTE Confidence: 0.7676742

00:58:43.660 --> 00:58:45.156 and so our patient.

NOTE Confidence: 0.7676742

00:58:45.156 --> 00:58:45.530 Yes,

NOTE Confidence: 0.7676742

00:58:45.530 --> 00:58:47.468 she has been compliant with their

NOTE Confidence: 0.7676742

00:58:47.468 --> 00:58:49.727 screening and so we have entered

NOTE Confidence: 0.7676742

00:58:49.727 --> 00:58:51.519 her previous screening history.

NOTE Confidence: 0.7676742

00:58:51.520 --> 00:58:54.238 And so we go on now to include those

NOTE Confidence: 0.7676742

00:58:54.238 --> 00:58:57.128 prior test results in our recommendation.

NOTE Confidence: 0.7676742

00:58:57.130 --> 00:58:59.000 Based on what we've entered.

NOTE Confidence: 0.7676742

00:58:59.000 --> 00:59:00.870 If for one year follow-up,

NOTE Confidence: 0.7676742

00:59:00.870 --> 00:59:01.578 what's nice,

NOTE Confidence: 0.7676742

00:59:01.578 --> 00:59:04.410 and I think it's really helpful for patients

NOTE Confidence: 0.7676742

00:59:04.481 --> 00:59:07.218 in ourselves to understand the overall risk,

NOTE Confidence: 0.7676742

00:59:07.220 --> 00:59:08.936 is this second image.

NOTE Confidence: 0.7676742

00:59:08.936 --> 00:59:12.630 Which is the risk of CIN 3 or above,

NOTE Confidence: 0.7676742

00:59:12.630 --> 00:59:15.876 and with that we're able to

NOTE Confidence: 0.7676742

00:59:15.876 --> 00:59:19.249 appropriately treat her to next steps.

NOTE Confidence: 0.7676742

00:59:19.250 --> 00:59:19.630 So,

NOTE Confidence: 0.7676742

00:59:19.630 --> 00:59:20.770 just to summarize,

NOTE Confidence: 0.7676742

00:59:20.770 --> 00:59:23.440 I you know we've covered a lot,

NOTE Confidence: 0.7676742

00:59:23.440 --> 00:59:25.904 but I think really it's important to

NOTE Confidence: 0.7676742

00:59:25.904 --> 00:59:27.446 consider education and counseling

NOTE Confidence: 0.7676742

00:59:27.446 --> 00:59:29.536 on the benefits of vaccination.

NOTE Confidence: 0.7676742

00:59:29.540 --> 00:59:30.872 At each clinical encounter,

NOTE Confidence: 0.7676742

00:59:30.872 --> 00:59:33.354 as well as to stress the importance

NOTE Confidence: 0.7676742

00:59:33.354 --> 00:59:35.820 of a strong recommendation for those

NOTE Confidence: 0.7676742

00:59:35.820 --> 00:59:38.272 who are eligible really to emphasize

NOTE Confidence: 0.7676742

00:59:38.272 --> 00:59:40.197 the importance of this intervention

NOTE Confidence: 0.7676742

00:59:40.197 --> 00:59:42.554 as a cancer prevention strategy and

NOTE Confidence: 0.7676742

00:59:42.554 --> 00:59:44.534 to identify someone within your

NOTE Confidence: 0.7676742

00:59:44.534 --> 00:59:46.376 practice or your Community practice

NOTE Confidence: 0.7676742

00:59:46.376 --> 00:59:48.452 who can really champion this effort

NOTE Confidence: 0.8540613

00:59:48.512 --> 00:59:50.966 and then routinely reassess your strategies.

NOTE Confidence: 0.8540613

00:59:50.970 --> 00:59:52.752 And look for areas to improve

NOTE Confidence: 0.8540613

00:59:52.752 --> 00:59:54.278 effectiveness and I would encourage

NOTE Confidence: 0.8540613

00:59:54.278 --> 00:59:56.486 you to consider this app as one tool

NOTE Confidence: 0.8540613

00:59:56.486 --> 00:59:58.959 that you use in helping manage physical

NOTE Confidence: 0.8540613

00:59:58.959 --> 01:00:00.387 cancer screening your practice.

NOTE Confidence: 0.8079374

01:00:02.840 --> 01:00:06.072 So with that you know. Thank you so much.

NOTE Confidence: 0.8079374

01:00:06.072 --> 01:00:08.512 We're going to stop the share and

NOTE Confidence: 0.8079374

01:00:08.512 --> 01:00:10.894 open it up for questions either

NOTE Confidence: 0.8079374

01:00:10.894 --> 01:00:12.995 regarding our cervical cancer talk

NOTE Confidence: 0.8079374

110

01:00:12.995 --> 01:00:15.095 or anything that we've covered.

NOTE Confidence: 0.8079374

01:00:15.100 --> 01:00:16.970 Otherwise, this evening and and

NOTE Confidence: 0.8079374

01:00:16.970 --> 01:00:19.293 hope we can clarify any points

NOTE Confidence: 0.8079374

01:00:19.293 --> 01:00:21.218 or or answer any questions.

NOTE Confidence: 0.8101981

01:00:27.170 --> 01:00:30.653 I don't see anything in the chat right now,

NOTE Confidence: 0.8101981

01:00:30.660 --> 01:00:34.143 but will give it a couple more minutes again.

NOTE Confidence: 0.8101981

01:00:34.150 --> 01:00:37.022 If you have any questions I didn't put

NOTE Confidence: 0.8101981

01:00:37.022 --> 01:00:39.976 my email address out there, but please

NOTE Confidence: 0.8101981

01:00:39.976 --> 01:00:43.080 feel free to reach out to me directly.

NOTE Confidence: 0.8101981

01:00:43.080 --> 01:00:44.792 It's my name mitchell.clark@yale.edu

NOTE Confidence: 0.8101981

01:00:44.792 --> 01:00:48.290 and I'd be happy to help answer any

NOTE Confidence: 0.8101981

01:00:48.290 --> 01:00:50.858 questions or help you navigate referral

NOTE Confidence: 0.8101981

01:00:50.858 --> 01:00:53.360 process if if you're seeking tour

NOTE Confidence: 0.8101981

01:00:53.360 --> 01:00:55.718 for your patient to smile Center.

NOTE Confidence: 0.8101981

01:00:55.720 --> 01:00:57.130 For evaluation.

NOTE Confidence: 0.8883835

01:00:59.700 --> 01:01:01.625 And I don't see anything else unless

NOTE Confidence: 0.8883835

01:01:01.625 --> 01:01:03.930 China you have anything to add. Or yeah,

NOTE Confidence: 0.8883835

01:01:03.930 --> 01:01:05.050 doctor Clark. Thank you.

NOTE Confidence: 0.8883835

01:01:05.050 --> 01:01:07.068 I just wanted to give a shout

NOTE Confidence: 0.8883835

01:01:07.068 --> 01:01:09.007 out to a couple of our patients.

NOTE Confidence: 0.8883835

01:01:09.010 --> 01:01:10.738 I recognize some of our patients

NOTE Confidence: 0.8883835

01:01:10.738 --> 01:01:12.389 that are on tonight as well.

NOTE Confidence: 0.8883835

01:01:12.390 --> 01:01:14.470 And thank you for just being women who

NOTE Confidence: 0.8883835

01:01:14.470 --> 01:01:16.504 have been champions in our program and

NOTE Confidence: 0.8883835

01:01:16.504 --> 01:01:18.588 just getting the word out there that

NOTE Confidence: 0.8883835

01:01:18.588 --> 01:01:20.562 we can detect cancer earlier we can,

NOTE Confidence: 0.8883835

01:01:20.570 --> 01:01:22.850 you know, take really good care of you

NOTE Confidence: 0.8883835

01:01:22.850 --> 01:01:25.637 and we want you to be part of our family.

NOTE Confidence: 0.8883835

01:01:25.640 --> 01:01:27.404 So for the women who are out

NOTE Confidence: 0.8883835

01:01:27.404 --> 01:01:28.750 there that are patients,

NOTE Confidence: 0.8883835

01:01:28.750 --> 01:01:30.720 thank you for joining in.

NOTE Confidence: 0.8883835

01:01:30.720 --> 01:01:32.826 For people who don't know yet,

NOTE Confidence: 0.8883835

01:01:32.830 --> 01:01:35.294 we have something called discovery to cure,

NOTE Confidence: 0.8883835

01:01:35.300 --> 01:01:38.356 which is one of our programs that focuses

NOTE Confidence: 0.8883835

01:01:38.356 --> 01:01:40.926 on prevention and we do have a website.

NOTE Confidence: 0.8883835

01:01:40.930 --> 01:01:43.738 We have a something called the teal times,

NOTE Confidence: 0.8883835

01:01:43.740 --> 01:01:46.356 which is one of our newsletters that can

NOTE Confidence: 0.8883835

01:01:46.356 --> 01:01:49.729 go out to providers or or women and patients.

NOTE Confidence: 0.8883835

01:01:49.730 --> 01:01:51.884 So if you have any interest

NOTE Confidence: 0.8883835

01:01:51.884 --> 01:01:53.600 in getting connected with us,

NOTE Confidence: 0.8883835

01:01:53.600 --> 01:01:55.706 I'm happy to help connect you.

NOTE Confidence: 0.8417798

01:01:56.960 --> 01:01:59.496 Great yeah, I agree I I you know,

NOTE Confidence: 0.8417798

01:01:59.500 --> 01:02:01.534 really thank our patients for advocating

NOTE Confidence: 0.8417798

01:02:01.534 --> 01:02:03.564 for themselves and for others in

NOTE Confidence: 0.8417798

01:02:03.564 --> 01:02:05.406 the Community who aren't aware of

NOTE Confidence: 0.8417798

01:02:05.406 --> 01:02:07.100 the resources that are out there.

NOTE Confidence: 0.8417798

01:02:07.100 --> 01:02:09.468 And I think all of us are probably

NOTE Confidence: 0.8417798

01:02:09.468 --> 01:02:11.230 going to speak with John,

NOTE Confidence: 0.8417798

01:02:11.230 --> 01:02:13.150 but it's really our patients who

NOTE Confidence: 0.8417798

01:02:13.150 --> 01:02:15.229 motivate us and in their journey

NOTE Confidence: 0.8417798

01:02:15.229 --> 01:02:17.413 and their strength that is so

NOTE Confidence: 0.8417798

01:02:17.413 --> 01:02:19.466 motivating for us to do what we do.

NOTE Confidence: 0.8417798

01:02:19.470 --> 01:02:21.678 And it's such an honor to take care

NOTE Confidence: 0.8417798

01:02:21.678 --> 01:02:23.630 of these strong women who really

NOTE Confidence: 0.8417798

01:02:23.630 --> 01:02:25.628 are paving the way for future

NOTE Confidence: 0.8417798

01:02:25.692 --> 01:02:27.640 treatments or participation in.

NOTE Confidence: 0.8417798

01:02:27.640 --> 01:02:29.970 Trials and things like that.

NOTE Confidence: 0.8417798

01:02:29.970 --> 01:02:32.924 We have one question here from someone

NOTE Confidence: 0.8417798

01:02:32.924 --> 01:02:36.334 in the audience asking about any known

NOTE Confidence: 0.8417798

01:02:36.334 --> 01:02:38.398 connection between vulvar cancer

NOTE Confidence: 0.8417798

01:02:38.398 --> 01:02:41.148 in bracket two patients over 75.

NOTE Confidence: 0.8417798

01:02:41.150 --> 01:02:41.618 Typically,

NOTE Confidence: 0.8417798

01:02:41.618 --> 01:02:44.426 the older women with with bolvar

NOTE Confidence: 0.8417798

01:02:44.426 --> 01:02:47.333 cancer is typically related to the

NOTE Confidence: 0.8417798

01:02:47.333 --> 01:02:49.233 lichenoid diseases less related

NOTE Confidence: 0.8417798

01:02:49.233 --> 01:02:51.409 to HPV infections and join,

NOTE Confidence: 0.8417798

01:02:51.410 --> 01:02:54.206 and I don't think any strong

NOTE Confidence: 0.8417798

01:02:54.206 --> 01:02:56.070 Association known between predatory

NOTE Confidence: 0.8417798

01:02:56.149 --> 01:02:58.189 breast ovarian cancer genes.

NOTE Confidence: 0.8417798

01:02:58.190 --> 01:03:01.126 Are the HR jeans and involve our cancer?

NOTE Confidence: 0.8377043

01:03:01.890 --> 01:03:04.438 Now there's as far as we know,

NOTE Confidence: 0.8377043

01:03:04.440 --> 01:03:06.936 there's no Association with vulvar or

NOTE Confidence: 0.8377043

01:03:06.936 --> 01:03:09.355 vaginal cancers with genetics that only

NOTE Confidence: 0.8377043

01:03:09.355 --> 01:03:11.749 the only thing that may cause cervical

NOTE Confidence: 0.8377043

01:03:11.749 --> 01:03:14.269 cancer is one of the rare gene mutations.

NOTE Confidence: 0.8377043

01:03:14.270 --> 01:03:16.322 But when we think about hereditary

NOTE Confidence: 0.8377043

01:03:16.322 --> 01:03:18.270 breast and ovarian cancer syndrome,

NOTE Confidence: 0.8377043

01:03:18.270 --> 01:03:20.448 or Lynch syndrome were thinking ovarian,

115

NOTE Confidence: 0.8377043

01:03:20.450 --> 01:03:22.270 fallopian tube, and uterine cancers.

NOTE Confidence: 0.8518448

01:03:24.500 --> 01:03:26.140 That's great, great question.

NOTE Confidence: 0.8518448

01:03:26.140 --> 01:03:29.080 Thank you for bringing it to our

NOTE Confidence: 0.8518448

01:03:29.080 --> 01:03:31.498 attention where you know we're learning

NOTE Confidence: 0.8518448

01:03:31.498 --> 01:03:34.834 more and more about these and we look

NOTE Confidence: 0.8518448

01:03:34.834 --> 01:03:37.302 forward to seeing expanded results from

NOTE Confidence: 0.8518448

01:03:37.302 --> 01:03:39.774 years of experience in genetic testing.

NOTE Confidence: 0.8518448

01:03:39.780 --> 01:03:44.036 And so this may involve overtime for sure.

NOTE Confidence: 0.8518448

01:03:44.040 --> 01:03:46.164 Another great question from one of

NOTE Confidence: 0.8518448

01:03:46.164 --> 01:03:48.000 our best practice nurses regarding

NOTE Confidence: 0.8518448

01:03:48.000 --> 01:03:49.440 HPV vaccine and age.

NOTE Confidence: 0.8518448

01:03:49.440 --> 01:03:51.612 Any studies showing benefit to vaccine

NOTE Confidence: 0.8518448

01:03:51.612 --> 01:03:54.118 earlier at age 9 rather than 11?

NOTE Confidence: 0.8518448

01:03:54.120 --> 01:03:57.104 You know I don't have the the sort

NOTE Confidence: 0.8518448

01:03:57.104 --> 01:03:59.877 of original paper up in front of me,

NOTE Confidence: 0.8518448

116

01:03:59.880 --> 01:04:02.512 whether or not they broke those groups

NOTE Confidence: 0.8518448

01:04:02.512 --> 01:04:05.277 down like they did in the trial here,

NOTE Confidence: 0.8518448

01:04:05.280 --> 01:04:07.926 showing benefit to 26 to 35 at

NOTE Confidence: 0.8518448

01:04:07.926 --> 01:04:09.960 the post of 35 to 45.

NOTE Confidence: 0.8518448

01:04:09.960 --> 01:04:11.800 I think really the overall

NOTE Confidence: 0.8518448

01:04:11.800 --> 01:04:14.409 thinking is to try to get this.

NOTE Confidence: 0.8518448

01:04:14.410 --> 01:04:17.110 In its earliest possible,

NOTE Confidence: 0.8518448

01:04:17.110 --> 01:04:20.485 before any exposure to HPV.

NOTE Confidence: 0.8518448

01:04:20.490 --> 01:04:23.266 And as soon as we can do that,

NOTE Confidence: 0.8518448

01:04:23.270 --> 01:04:26.132 the better so that we do know that those

NOTE Confidence: 0.8518448

01:04:26.132 --> 01:04:28.756 people who are enrolled in the trials

NOTE Confidence: 0.8518448

01:04:28.756 --> 01:04:30.930 of HPV vaccination those who were.

NOTE Confidence: 0.8518448

01:04:30.930 --> 01:04:32.856 HPV naive certainly had a better

NOTE Confidence: 0.8518448

01:04:32.856 --> 01:04:34.760 response at clearing that infection.

NOTE Confidence: 0.8518448

01:04:34.760 --> 01:04:38.036 And so while I don't have any data to

NOTE Confidence: 0.8518448

01:04:38.036 --> 01:04:41.369 think 9 birth 11 off the top of my head,

117

NOTE Confidence: 0.8518448

01:04:41.370 --> 01:04:44.002 I think as early as possible within

NOTE Confidence: 0.8518448

01:04:44.002 --> 01:04:46.237 the recommendations of the FDA and CDC.

NOTE Confidence: 0.80496114

01:04:49.390 --> 01:04:52.066 We have another great question from

NOTE Confidence: 0.80496114

01:04:52.066 --> 01:04:54.996 someone asking about the role of

NOTE Confidence: 0.80496114

01:04:54.996 --> 01:04:57.128 heated chemotherapy during surgery.

NOTE Confidence: 0.80496114

01:04:57.130 --> 01:05:00.518 That's a great question and evolving topic.

NOTE Confidence: 0.80496114

01:05:00.520 --> 01:05:04.444 This was one of the first RCT's that we

NOTE Confidence: 0.80496114

01:05:04.444 --> 01:05:07.698 presented here tonight from one of the

NOTE Confidence: 0.80496114

01:05:07.698 --> 01:05:11.235 European groups and we are excited to

NOTE Confidence: 0.80496114

01:05:11.235 --> 01:05:14.493 offer this on selected patients through

NOTE Confidence: 0.80496114

01:05:14.493 --> 01:05:17.630 Smilow who are meet good criteria

NOTE Confidence: 0.80496114

01:05:17.630 --> 01:05:20.220 will have good performance status.

NOTE Confidence: 0.80496114

01:05:20.220 --> 01:05:22.205 And who meet certain eligibility

NOTE Confidence: 0.80496114

01:05:22.205 --> 01:05:22.999 eligibility criteria?

NOTE Confidence: 0.80496114

01:05:23.000 --> 01:05:25.544 Sorry bout that everyone and that

NOTE Confidence: 0.80496114

01:05:25.544 --> 01:05:27.715 is certainly something that should

NOTE Confidence: 0.80496114

01:05:27.715 --> 01:05:30.097 be brought up with your treating

NOTE Confidence: 0.80496114

01:05:30.097 --> 01:05:32.423 uin oncologist in order to determine

NOTE Confidence: 0.80496114

01:05:32.423 --> 01:05:34.908 if you might be a good candidate

NOTE Confidence: 0.80496114

01:05:34.910 --> 01:05:36.890 for that type of approach,

NOTE Confidence: 0.80496114

01:05:36.890 --> 01:05:39.098 because there is early data that

NOTE Confidence: 0.80496114

01:05:39.098 --> 01:05:41.452 signals there may be benefit for

NOTE Confidence: 0.80496114

01:05:41.452 --> 01:05:43.870 those patients who who are deemed

NOTE Confidence: 0.80496114

01:05:43.870 --> 01:05:46.419 eligible for that for that technique.

NOTE Confidence: 0.8332127

01:05:48.560 --> 01:05:50.215 We have another great question

NOTE Confidence: 0.8332127

01:05:50.215 --> 01:05:51.870 from someone talking about the

NOTE Confidence: 0.8332127

01:05:51.930 --> 01:05:53.670 difficulty with carbon emitters.

NOTE Confidence: 0.8332127

01:05:53.670 --> 01:05:54.765 Any recommendations on

NOTE Confidence: 0.8332127

01:05:54.765 --> 01:05:55.860 improving patient tolerance?

NOTE Confidence: 0.8332127

01:05:55.860 --> 01:05:57.320 That's a great question.

NOTE Confidence: 0.8332127

01:05:57.320 --> 01:05:59.510 So in terms of carbon hitters,

NOTE Confidence: 0.8332127

01:05:59.510 --> 01:06:02.480 what I tell most of my patients is those

NOTE Confidence: 0.8332127

01:06:02.480 --> 01:06:05.397 first four to six weeks can be very

NOTE Confidence: 0.8332127

01:06:05.397 --> 01:06:07.908 challenging and it's really the fatigue.

NOTE Confidence: 0.8332127

01:06:07.910 --> 01:06:10.479 I find the most part that patients

NOTE Confidence: 0.8332127

01:06:10.479 --> 01:06:12.986 struggle with a bit of the nausea

NOTE Confidence: 0.8332127

01:06:12.986 --> 01:06:14.972 as well because of the fact

NOTE Confidence: 0.8332127

01:06:15.046 --> 01:06:17.398 that this is an oral medication.

NOTE Confidence: 0.8332127

01:06:17.400 --> 01:06:18.426 Most patients do.

NOTE Confidence: 0.8332127

01:06:18.426 --> 01:06:20.820 Seem to get through the first four

NOTE Confidence: 0.8332127

01:06:20.886 --> 01:06:23.220 to six weeks with either, you know,

NOTE Confidence: 0.8332127

01:06:23.220 --> 01:06:24.945 watching the anemia to ensure

NOTE Confidence: 0.8332127

01:06:24.945 --> 01:06:26.769 that that fatigue is not true.

NOTE Confidence: 0.8332127

01:06:26.770 --> 01:06:27.378 I mean,

NOTE Confidence: 0.8332127

01:06:27.378 --> 01:06:29.506 for watching the moment to make sure

NOTE Confidence: 0.8332127

01:06:29.506 --> 01:06:31.989 that the fatigue is not anemia related,

NOTE Confidence: 0.8332127

01:06:31.990 --> 01:06:34.222 but for those who don't make it through

NOTE Confidence: 0.8332127

01:06:34.222 --> 01:06:36.208 that sort of introductory first couple

NOTE Confidence: 0.8332127

01:06:36.208 --> 01:06:38.830 of months and still continue to struggle,

NOTE Confidence: 0.8332127

01:06:38.830 --> 01:06:41.063 there has been some exploration of perhaps

NOTE Confidence: 0.8332127

01:06:41.063 --> 01:06:43.068 switching from one partner to another.

NOTE Confidence: 0.8332127

01:06:43.070 --> 01:06:44.906 We think overall the side effects

NOTE Confidence: 0.8332127

01:06:44.906 --> 01:06:46.980 are somewhat of a class effect,

NOTE Confidence: 0.8332127

01:06:46.980 --> 01:06:49.248 but there are some very small.

NOTE Confidence: 0.8332127

01:06:49.250 --> 01:06:50.279 Series and experiences,

NOTE Confidence: 0.8332127

01:06:50.279 --> 01:06:52.900 and perhaps going a lap criptana wrapper it,

NOTE Confidence: 0.8332127

01:06:52.900 --> 01:06:55.438 or vice versa if you can get that approved

NOTE Confidence: 0.8332127

01:06:55.438 --> 01:06:57.283 based on whatever genetic profile

NOTE Confidence: 0.8332127

01:06:57.283 --> 01:06:59.539 you're dealing with in that patient.

NOTE Confidence: 0.8332127

01:06:59.540 --> 01:07:02.196 But you know for some reason or another,

NOTE Confidence: 0.8332127

01:07:02.200 --> 01:07:04.461 some patients just seem to tolerate one

NOTE Confidence: 0.8332127

01:07:04.461 --> 01:07:07.178 better than the other, and so you know.

NOTE Confidence: 0.8332127

01:07:07.178 --> 01:07:09.170 I tell my patients to hold,

NOTE Confidence: 0.8332127

01:07:09.170 --> 01:07:10.830 hold out if they can,

NOTE Confidence: 0.8332127

01:07:10.830 --> 01:07:13.182 and we try to support them through

NOTE Confidence: 0.8332127

01:07:13.182 --> 01:07:15.150 the first four to six weeks.

NOTE Confidence: 0.8332127

01:07:15.150 --> 01:07:16.805 But if there's persistent grade

NOTE Confidence: 0.8332127

01:07:16.805 --> 01:07:18.129 three Grade 4 toxicity,

NOTE Confidence: 0.8332127

01:07:18.130 --> 01:07:19.288 you could consider.

NOTE Confidence: 0.8332127

01:07:19.288 --> 01:07:21.218 Perhaps switching to a different

NOTE Confidence: 0.8332127

01:07:21.218 --> 01:07:22.780 a different formulation,

NOTE Confidence: 0.8332127

01:07:22.780 --> 01:07:25.335 but again that would be depending on

NOTE Confidence: 0.8332127

01:07:25.335 --> 01:07:28.054 approval and and and what molecular

NOTE Confidence: 0.8332127

01:07:28.054 --> 01:07:30.639 characteristics here you're working with.

NOTE Confidence: 0.9050857

01:07:35.890 --> 01:07:38.170 The great questions from everyone.

NOTE Confidence: 0.9050857

01:07:38.170 --> 01:07:40.440 I really appreciate the discussion.

NOTE Confidence: 0.8387406

01:07:43.300 --> 01:07:45.908 I think we're pretty much it for now,

NOTE Confidence: 0.8387406

01:07:45.910 --> 01:07:47.828 so again, please feel free to reach

NOTE Confidence: 0.8387406

01:07:47.828 --> 01:07:50.213 out if you have any questions regarding

NOTE Confidence: 0.8387406

01:07:50.213 --> 01:07:52.463 the material we covered tonight or

NOTE Confidence: 0.8387406

01:07:52.531 --> 01:07:54.379 you have a question in general,

NOTE Confidence: 0.8387406

01:07:54.380 --> 01:07:56.990 will try to get that answer for you and we

NOTE Confidence: 0.8387406

01:07:57.052 --> 01:07:59.596 really appreciate you joining us tonight.

NOTE Confidence: 0.8387406

01:07:59.600 --> 01:08:00.904 We're really excited about

NOTE Confidence: 0.8387406

01:08:00.904 --> 01:08:02.208 how things have evolved.

NOTE Confidence: 0.8387406

01:08:02.210 --> 01:08:04.586 I could have never imagined even you know

NOTE Confidence: 0.8387406

01:08:04.586 --> 01:08:06.883 when I decide to be human oncologist

NOTE Confidence: 0.8387406

01:08:06.883 --> 01:08:09.266 that we will be talking about these

NOTE Confidence: 0.8387406

01:08:09.266 --> 01:08:11.306 advances so quickly and we really

NOTE Confidence: 0.8387406

01:08:11.306 --> 01:08:14.606 hope that we evolve things at a pace.

NOTE Confidence: 0.8387406

01:08:14.610 --> 01:08:16.200 That keeps women alive longer

NOTE Confidence: 0.8387406

01:08:16.200 --> 01:08:18.130 and joining back quality of life.

NOTE Confidence: 0.8387406

01:08:18.130 --> 01:08:21.466 And until we can treat this like a

NOTE Confidence: 0.8387406

01:08:21.466 --> 01:08:23.979 chronic disease like anything else.

NOTE Confidence: 0.8387406

01:08:23.980 --> 01:08:25.730 Alright, so thank you so much for

NOTE Confidence: 0.8387406

01:08:25.730 --> 01:08:27.606 everyone and we hope to see you soon.