

WEBVTT

NOTE duration:"01:17:35.0400000"

NOTE language:en-us

NOTE Confidence: 0.8477349

00:00:00.000 --> 00:00:02.232 Tonight is the first of several

NOTE Confidence: 0.8477349

00:00:02.232 --> 00:00:04.240 of the next several weeks.

NOTE Confidence: 0.8477349

00:00:04.240 --> 00:00:06.389 As part of this Milo shares program

NOTE Confidence: 0.8477349

00:00:06.389 --> 00:00:08.623 where we'll be talking bout cancer

NOTE Confidence: 0.8477349

00:00:08.623 --> 00:00:10.291 genetics and hereditary cancer

NOTE Confidence: 0.8477349

00:00:10.291 --> 00:00:12.793 syndromes and how to best take care

NOTE Confidence: 0.8477349

00:00:12.793 --> 00:00:15.858 of yourself if you or a loved one or

NOTE Confidence: 0.8477349

00:00:15.858 --> 00:00:17.970 friend has one of these syndromes.

NOTE Confidence: 0.8477349

00:00:17.970 --> 00:00:18.981 So tonight, welcome.

NOTE Confidence: 0.8477349

00:00:18.981 --> 00:00:21.340 I'm so happy that you could join

NOTE Confidence: 0.8477349

00:00:21.410 --> 00:00:23.727 us and tonight is gonna be a

NOTE Confidence: 0.8477349

00:00:23.727 --> 00:00:25.360 night discussing cancer genetics,

NOTE Confidence: 0.8477349

00:00:25.360 --> 00:00:27.120 really, to provide an overview.

NOTE Confidence: 0.8477349

00:00:27.120 --> 00:00:29.232 So I'll start off with just

NOTE Confidence: 0.8477349
00:00:29.232 --> 00:00:30.288 a brief introduction,
NOTE Confidence: 0.8477349
00:00:30.290 --> 00:00:32.618 sort of overview of the program.
NOTE Confidence: 0.8477349
00:00:32.620 --> 00:00:34.918 And then I am joined tonight
NOTE Confidence: 0.8477349
00:00:34.918 --> 00:00:36.067 by some fabulous,
NOTE Confidence: 0.8477349
00:00:36.070 --> 00:00:37.980 fabulous members of our team.
NOTE Confidence: 0.8477349
00:00:37.980 --> 00:00:39.945 You'll hear from Amanda Ganzak
NOTE Confidence: 0.8477349
00:00:39.945 --> 00:00:41.517 Wanna Varley genetic counselors
NOTE Confidence: 0.8477349
00:00:41.517 --> 00:00:43.787 you'll hear from three of our
NOTE Confidence: 0.8477349
00:00:43.787 --> 00:00:44.876 fabulous genetic counselors,
NOTE Confidence: 0.8477349
00:00:44.880 --> 00:00:46.026 Camille Veron, Tremblay,
NOTE Confidence: 0.8477349
00:00:46.026 --> 00:00:46.790 Elizabeth Alborn,
NOTE Confidence: 0.8477349
00:00:46.790 --> 00:00:47.996 an Alexander McClellan.
NOTE Confidence: 0.8477349
00:00:47.996 --> 00:00:50.810 So will cover a overview of topics
NOTE Confidence: 0.8477349
00:00:50.879 --> 00:00:52.679 and then will be opportunity
NOTE Confidence: 0.8477349
00:00:52.679 --> 00:00:54.830 to ask questions at the end.
NOTE Confidence: 0.8477349

00:00:54.830 --> 00:00:57.836 So with that I will go ahead and get
NOTE Confidence: 0.8477349

00:00:57.836 --> 00:01:00.301 started by just providing you an
NOTE Confidence: 0.8477349

00:01:00.301 --> 00:01:03.420 overview of our smilow cancer genetics and.
NOTE Confidence: 0.8477349

00:01:03.420 --> 00:01:04.735 Pension program,
NOTE Confidence: 0.8477349

00:01:04.735 --> 00:01:10.590 so hopefully my computer is working.
NOTE Confidence: 0.8477349

00:01:10.590 --> 00:01:11.919 Come on slides.
NOTE Confidence: 0.8400914

00:01:15.680 --> 00:01:17.070 I promise you this was working.
NOTE Confidence: 0.8400914

00:01:17.070 --> 00:01:17.760 There we go.
NOTE Confidence: 0.8400914

00:01:17.760 --> 00:01:18.680 Are you controlling Alex?
NOTE Confidence: 0.8400914

00:01:18.680 --> 00:01:20.528 Do you want to go ahead and control?
NOTE Confidence: 0.8400914

00:01:20.530 --> 00:01:22.718 That's fine by me.
NOTE Confidence: 0.8400914

00:01:22.720 --> 00:01:25.416 OK Alex, you go ahead so our smilow
NOTE Confidence: 0.8400914

00:01:25.416 --> 00:01:26.740 cancer genetics and Prevention
NOTE Confidence: 0.8400914

00:01:26.805 --> 00:01:28.899 program was actually started in July
NOTE Confidence: 0.8400914

00:01:28.899 --> 00:01:31.086 2014 as an organization that cancer
NOTE Confidence: 0.8400914

00:01:31.086 --> 00:01:32.916 genetics program at smile ahead

NOTE Confidence: 0.8400914

00:01:32.916 --> 00:01:35.292 existed for several years prior to that.

NOTE Confidence: 0.8400914

00:01:35.292 --> 00:01:37.200 But Meanwhile there had been a

NOTE Confidence: 0.8400914

00:01:37.264 --> 00:01:39.244 lot of high risk and prevention

NOTE Confidence: 0.8400914

00:01:39.244 --> 00:01:41.484 efforts that had kind of siloed

NOTE Confidence: 0.8400914

00:01:41.484 --> 00:01:43.188 themselves within the hospital.

NOTE Confidence: 0.8400914

00:01:43.190 --> 00:01:44.502 And so July 14,

NOTE Confidence: 0.8400914

00:01:44.502 --> 00:01:46.920 we decided to join together and we

NOTE Confidence: 0.8400914

00:01:46.920 --> 00:01:49.545 formally launched in the summer of 2015.

NOTE Confidence: 0.8400914

00:01:49.550 --> 00:01:52.886 So we've been around for about five years.

NOTE Confidence: 0.8400914

00:01:52.890 --> 00:01:55.109 Our goal is really to come together

NOTE Confidence: 0.8400914

00:01:55.109 --> 00:01:56.791 with genetic counseling with oncology

NOTE Confidence: 0.8400914

00:01:56.791 --> 00:01:58.481 with high risk and Prevention

NOTE Confidence: 0.8400914

00:01:58.481 --> 00:02:00.044 programs and really build almost

NOTE Confidence: 0.8400914

00:02:00.044 --> 00:02:01.752 a one stop shop if you will.

NOTE Confidence: 0.8400914

00:02:01.760 --> 00:02:02.988 For patients with hereditary

NOTE Confidence: 0.8400914

00:02:02.988 --> 00:02:04.523 cancer syndromes or who might
NOTE Confidence: 0.8400914

00:02:04.523 --> 00:02:06.048 have a strong family history,
NOTE Confidence: 0.8400914

00:02:06.050 --> 00:02:07.880 our home base is shown here.
NOTE Confidence: 0.8400914

00:02:07.880 --> 00:02:10.029 We are we reside if you will,
NOTE Confidence: 0.8400914

00:02:10.030 --> 00:02:11.560 on the Saint Rayfield campus
NOTE Confidence: 0.8400914

00:02:11.560 --> 00:02:13.090 in the Orchard Medical Center.
NOTE Confidence: 0.8400914

00:02:13.090 --> 00:02:14.926 Our windows are just to the
NOTE Confidence: 0.8400914

00:02:14.926 --> 00:02:16.150 left of that picture,
NOTE Confidence: 0.8400914

00:02:16.150 --> 00:02:18.590 but we're not only present in New Haven,
NOTE Confidence: 0.8400914

00:02:18.590 --> 00:02:20.426 but we have locations at Saint
NOTE Confidence: 0.8400914

00:02:20.426 --> 00:02:21.650 Francis at Bridgeport Hospital,
NOTE Confidence: 0.8400914

00:02:21.650 --> 00:02:22.871 Trumbull Lawrence Memorial
NOTE Confidence: 0.8400914

00:02:22.871 --> 00:02:24.499 Greenwich Hospital and Torrington.
NOTE Confidence: 0.8400914

00:02:24.500 --> 00:02:26.516 We are doing visits on site.
NOTE Confidence: 0.8400914

00:02:26.520 --> 00:02:28.648 We have opened up post cobit or
NOTE Confidence: 0.8400914

00:02:28.648 --> 00:02:31.094 during kovid and we do have Tele

NOTE Confidence: 0.8400914

00:02:31.094 --> 00:02:32.924 Medicine Services available as well.

NOTE Confidence: 0.8400914

00:02:32.930 --> 00:02:37.074 Alex could you go to the next slide?

NOTE Confidence: 0.8400914

00:02:37.080 --> 00:02:38.145 Thank you.

NOTE Confidence: 0.8400914

00:02:38.145 --> 00:02:40.338 I'm technologically challenged these days.

NOTE Confidence: 0.8810589

00:02:43.030 --> 00:02:45.998 It appears I am as well hold on.

NOTE Confidence: 0.8810589

00:02:46.000 --> 00:02:47.450 Start now. There we go.

NOTE Confidence: 0.8696843

00:02:47.450 --> 00:02:48.998 So the program that we really

NOTE Confidence: 0.8696843

00:02:48.998 --> 00:02:50.750 endeavour to build is not just

NOTE Confidence: 0.8696843

00:02:50.750 --> 00:02:52.070 about providing clinical care,

NOTE Confidence: 0.8696843

00:02:52.070 --> 00:02:53.675 though that obviously is the

NOTE Confidence: 0.8696843

00:02:53.675 --> 00:02:55.581 foundation of what we're trying to

NOTE Confidence: 0.8696843

00:02:55.581 --> 00:02:57.268 do is to take good care patients.

NOTE Confidence: 0.8696843

00:02:57.270 --> 00:02:59.286 But we have an interest in research.

NOTE Confidence: 0.8696843

00:02:59.290 --> 00:03:01.628 We have an interest in education and we

NOTE Confidence: 0.8696843

00:03:01.628 --> 00:03:03.476 have an interest in community outreach

NOTE Confidence: 0.8696843

00:03:03.476 --> 00:03:05.524 in doing programs like this so that
NOTE Confidence: 0.8696843

00:03:05.524 --> 00:03:07.390 people can learn more about these pro.
NOTE Confidence: 0.8696843

00:03:07.390 --> 00:03:08.830 These programs in these issues,
NOTE Confidence: 0.8696843

00:03:08.830 --> 00:03:09.844 the next slide.
NOTE Confidence: 0.8696843

00:03:09.844 --> 00:03:12.658 Thank you and look at our fabulous team
NOTE Confidence: 0.8696843

00:03:12.658 --> 00:03:15.262 so the medical director of the cancer
NOTE Confidence: 0.8696843

00:03:15.262 --> 00:03:17.652 genetics and Prevention program is the
NOTE Confidence: 0.8696843

00:03:17.652 --> 00:03:20.329 esteemed doctor Shah of your who is
NOTE Confidence: 0.8696843

00:03:20.329 --> 00:03:21.924 a gastroenterologist and the program
NOTE Confidence: 0.8696843

00:03:21.924 --> 00:03:24.620 is also led by our cyantific Director,
NOTE Confidence: 0.8696843

00:03:24.620 --> 00:03:25.685 Doctor Alan Bale,
NOTE Confidence: 0.8696843

00:03:25.685 --> 00:03:27.105 who is Jeanette Assist.
NOTE Confidence: 0.8696843

00:03:27.110 --> 00:03:28.530 Arlie genetic counselors are
NOTE Confidence: 0.8696843

00:03:28.530 --> 00:03:29.950 clear helion Amanda Ganzak,
NOTE Confidence: 0.8696843

00:03:29.950 --> 00:03:33.143 both whom are here tonight on the call and
NOTE Confidence: 0.8696843

00:03:33.143 --> 00:03:35.270 we have several programs including myself.

NOTE Confidence: 0.8696843

00:03:35.270 --> 00:03:37.400 I helped lead the breast program.

NOTE Confidence: 0.8696843

00:03:37.400 --> 00:03:38.820 Shabbier leads the gastro.

NOTE Confidence: 0.8696843

00:03:38.820 --> 00:03:39.885 Enterology program gynecology.

NOTE Confidence: 0.8696843

00:03:39.890 --> 00:03:43.148 I know many of you know doctor Elena Ratner.

NOTE Confidence: 0.8696843

00:03:43.150 --> 00:03:45.245 Doctor Masoud Azodi are pancreatic

NOTE Confidence: 0.8696843

00:03:45.245 --> 00:03:47.822 program is led by James Farrell

NOTE Confidence: 0.8696843

00:03:47.822 --> 00:03:50.657 and for those with more rare or

NOTE Confidence: 0.8696843

00:03:50.657 --> 00:03:52.667 specific genetic syndromes they are

NOTE Confidence: 0.8696843

00:03:52.667 --> 00:03:55.299 seen by Alan Bail the next slide.

NOTE Confidence: 0.8696843

00:03:55.300 --> 00:03:57.208 Thank you and here's our team.

NOTE Confidence: 0.8696843

00:03:57.210 --> 00:03:58.800 Our team continues to grow,

NOTE Confidence: 0.8696843

00:03:58.800 --> 00:04:01.336 so you have here a list of Gosh,

NOTE Confidence: 0.8696843

00:04:01.340 --> 00:04:03.552 I think we're up to nine other

NOTE Confidence: 0.8696843

00:04:03.552 --> 00:04:04.840 genetic counselors listed here.

NOTE Confidence: 0.8696843

00:04:04.840 --> 00:04:06.838 We have assistance by Susan Schmiel

NOTE Confidence: 0.8696843

00:04:06.838 --> 00:04:09.633 or a PRN and we've got a fabulous
NOTE Confidence: 0.8696843

00:04:09.633 --> 00:04:12.177 staff and special thanks to a partner
NOTE Confidence: 0.8696843

00:04:12.177 --> 00:04:14.499 for help setting this night up.
NOTE Confidence: 0.8696843

00:04:14.500 --> 00:04:16.639 The next slide.
NOTE Confidence: 0.8696843

00:04:16.640 --> 00:04:18.592 So in the next few minutes,
NOTE Confidence: 0.8696843

00:04:18.592 --> 00:04:20.404 I'll go through just the highlights
NOTE Confidence: 0.8696843

00:04:20.404 --> 00:04:22.579 of each of our specific programs.
NOTE Confidence: 0.8696843

00:04:22.580 --> 00:04:24.164 So the program that I've helped
NOTE Confidence: 0.8696843

00:04:24.164 --> 00:04:26.136 to build is the breast cancer
NOTE Confidence: 0.8696843

00:04:26.136 --> 00:04:27.856 genetics and Prevention program,
NOTE Confidence: 0.8696843

00:04:27.860 --> 00:04:30.170 where we're really trying to take take
NOTE Confidence: 0.8696843

00:04:30.170 --> 00:04:31.820 comprehensive care of our patients
NOTE Confidence: 0.8696843

00:04:31.820 --> 00:04:33.470 both in providing risk assessment,
NOTE Confidence: 0.8696843

00:04:33.470 --> 00:04:35.285 education screening and really multiple
NOTE Confidence: 0.8696843

00:04:35.285 --> 00:04:37.438 disciplinary care for women who might
NOTE Confidence: 0.8696843

00:04:37.438 --> 00:04:39.405 be at increased risk of breast cancer.

NOTE Confidence: 0.8696843

00:04:39.410 --> 00:04:40.070 So again,

NOTE Confidence: 0.8696843

00:04:40.070 --> 00:04:42.050 I've mentioned myself in sushi meal,

NOTE Confidence: 0.8696843

00:04:42.050 --> 00:04:44.030 but at we have Doctor Karish,

NOTE Confidence: 0.8696843

00:04:44.030 --> 00:04:45.350 MA Mara, Doctor, Uncle,

NOTE Confidence: 0.8696843

00:04:45.350 --> 00:04:46.652 Garou, and Jenna Addison.

NOTE Confidence: 0.8696843

00:04:46.652 --> 00:04:47.948 At different locations throughout

NOTE Confidence: 0.8696843

00:04:47.948 --> 00:04:50.270 the state an we seek to help those

NOTE Confidence: 0.8696843

00:04:50.270 --> 00:04:51.830 women with a strong family history

NOTE Confidence: 0.8696843

00:04:51.830 --> 00:04:53.458 of a genetic predisposition or women

NOTE Confidence: 0.8696843

00:04:53.458 --> 00:04:55.313 who might be at risk for other

NOTE Confidence: 0.8696843

00:04:55.366 --> 00:04:56.836 reasons such as breast atypia.

NOTE Confidence: 0.8696843

00:04:56.840 --> 00:04:57.760 Next slide.

NOTE Confidence: 0.8696843

00:04:57.760 --> 00:04:59.140 Then of course,

NOTE Confidence: 0.8696843

00:04:59.140 --> 00:05:00.625 there's the colon cancer genetics

NOTE Confidence: 0.8696843

00:05:00.625 --> 00:05:01.516 and Prevention program.

NOTE Confidence: 0.8696843

00:05:01.520 --> 00:05:02.936 Again trying to provide the same
NOTE Confidence: 0.8696843

00:05:02.936 --> 00:05:04.873 type of care for people who might be
NOTE Confidence: 0.8696843

00:05:04.873 --> 00:05:06.916 at increased risk of colon or other
NOTE Confidence: 0.8696843

00:05:06.916 --> 00:05:08.650 gastroenterology gastrointestinal cancers.
NOTE Confidence: 0.8696843

00:05:08.650 --> 00:05:10.963 So Sue is the glue that holds us all
NOTE Confidence: 0.8696843

00:05:10.963 --> 00:05:12.915 together so shabby works with suing
NOTE Confidence: 0.8696843

00:05:12.915 --> 00:05:15.179 his program primarily based in New Haven.
NOTE Confidence: 0.8696843

00:05:15.180 --> 00:05:17.238 An again looking for folks with a
NOTE Confidence: 0.8696843

00:05:17.238 --> 00:05:19.040 strong family history of colon cancer,
NOTE Confidence: 0.8696843

00:05:19.040 --> 00:05:21.112 a genetic predisposition or and or a
NOTE Confidence: 0.8696843

00:05:21.112 --> 00:05:22.224 significant history, colon polyps,
NOTE Confidence: 0.8696843

00:05:22.224 --> 00:05:24.023 and then Lastly and are my last
NOTE Confidence: 0.8696843

00:05:24.023 --> 00:05:25.720 slide is the pancreatic cancer
NOTE Confidence: 0.8696843

00:05:25.720 --> 00:05:26.758 early detection clinic,
NOTE Confidence: 0.8696843

00:05:26.760 --> 00:05:29.184 so this is again run by Doctor James.
NOTE Confidence: 0.8696843

00:05:29.190 --> 00:05:31.590 Pharrell he is joined by a fabulous nurse,

NOTE Confidence: 0.8346499

00:05:31.590 --> 00:05:33.732 Scott Merenda and Sue Ann and their

NOTE Confidence: 0.8346499

00:05:33.732 --> 00:05:36.090 clinic runs out of New Haven and again,

NOTE Confidence: 0.8346499

00:05:36.090 --> 00:05:37.764 looking at patients really trying to

NOTE Confidence: 0.8346499

00:05:37.764 --> 00:05:40.195 take good care of patients who might be

NOTE Confidence: 0.8346499

00:05:40.195 --> 00:05:42.085 at increased risk of pancreatic cancer,

NOTE Confidence: 0.8346499

00:05:42.090 --> 00:05:44.790 so that may be due to strong family history.

NOTE Confidence: 0.8346499

00:05:44.790 --> 00:05:45.978 Again, a genetic predisposition,

NOTE Confidence: 0.8346499

00:05:45.978 --> 00:05:47.760 or those folks who have hereditary

NOTE Confidence: 0.8346499

00:05:47.812 --> 00:05:49.292 pancreatitis at one unique feature

NOTE Confidence: 0.8346499

00:05:49.292 --> 00:05:51.090 about Doctor Pharaohs Clinic is that

NOTE Confidence: 0.8346499

00:05:51.090 --> 00:05:53.490 he runs that helps to run the caps.

NOTE Confidence: 0.8346499

00:05:53.490 --> 00:05:54.084 Five study.

NOTE Confidence: 0.8346499

00:05:54.084 --> 00:05:56.460 We are one of several national sites who

NOTE Confidence: 0.8346499

00:05:56.523 --> 00:05:58.407 is currently doing an active screening

NOTE Confidence: 0.8346499

00:05:58.407 --> 00:06:00.699 study to try and find out whether.

NOTE Confidence: 0.8346499

00:06:00.700 --> 00:06:01.952 Aggressive surveillance may help
NOTE Confidence: 0.8346499

00:06:01.952 --> 00:06:03.830 in it with early detection and
NOTE Confidence: 0.8346499

00:06:03.885 --> 00:06:05.253 potentially treatment for those
NOTE Confidence: 0.8346499

00:06:05.253 --> 00:06:06.963 at risk for pancreatic cancer,
NOTE Confidence: 0.8346499

00:06:06.970 --> 00:06:08.620 so those are the highlights.
NOTE Confidence: 0.8346499

00:06:08.620 --> 00:06:09.610 More to comment.
NOTE Confidence: 0.8346499

00:06:09.610 --> 00:06:10.600 Oh my goodness,
NOTE Confidence: 0.8346499

00:06:10.600 --> 00:06:12.910 how could I almost forget the gynecological
NOTE Confidence: 0.8346499

00:06:12.910 --> 00:06:14.560 cancer genetics and Prevention program?
NOTE Confidence: 0.8346499

00:06:14.560 --> 00:06:16.210 Oh, perhaps the most important
NOTE Confidence: 0.8346499

00:06:16.210 --> 00:06:17.832 of all of these, really,
NOTE Confidence: 0.8346499

00:06:17.832 --> 00:06:18.738 what this is,
NOTE Confidence: 0.8346499

00:06:18.738 --> 00:06:20.550 is we have partnered with the
NOTE Confidence: 0.8346499

00:06:20.610 --> 00:06:22.150 discovery to cure program,
NOTE Confidence: 0.8346499

00:06:22.150 --> 00:06:24.130 which really represents the clinical arm,
NOTE Confidence: 0.8346499

00:06:24.130 --> 00:06:26.812 so I know this program is near and dear

NOTE Confidence: 0.8346499

00:06:26.812 --> 00:06:29.739 to many of those folks in the audience.

NOTE Confidence: 0.8346499

00:06:29.740 --> 00:06:30.619 This program was.

NOTE Confidence: 0.8346499

00:06:30.619 --> 00:06:33.180 Is is led and in many ways was

NOTE Confidence: 0.8346499

00:06:33.180 --> 00:06:34.940 established by doctor Ratner.

NOTE Confidence: 0.8346499

00:06:34.940 --> 00:06:37.124 An she is joined by Joanna Daddario,

NOTE Confidence: 0.8346499

00:06:37.130 --> 00:06:39.167 who's fabulous they are stationed in New

NOTE Confidence: 0.8346499

00:06:39.167 --> 00:06:41.082 Haven and Doctor Masoud azodi provides

NOTE Confidence: 0.8346499

00:06:41.082 --> 00:06:43.056 care at Bridgeport Hospital as well.

NOTE Confidence: 0.8346499

00:06:43.060 --> 00:06:45.237 So folks with a strong family history,

NOTE Confidence: 0.8346499

00:06:45.240 --> 00:06:47.868 genetic predisposition to GY and cancers.

NOTE Confidence: 0.8346499

00:06:47.870 --> 00:06:48.899 So forgive me,

NOTE Confidence: 0.8346499

00:06:48.899 --> 00:06:50.614 I'm still mitted that and

NOTE Confidence: 0.8346499

00:06:50.614 --> 00:06:51.949 genetic counseling of course,

NOTE Confidence: 0.8346499

00:06:51.950 --> 00:06:53.650 is where it all begins.

NOTE Confidence: 0.8346499

00:06:53.650 --> 00:06:56.194 So truly it to be to to really

NOTE Confidence: 0.8346499

00:06:56.194 --> 00:06:57.730 understand your risk really,
NOTE Confidence: 0.8346499

00:06:57.730 --> 00:06:59.692 especially if you've got a strong
NOTE Confidence: 0.8346499

00:06:59.692 --> 00:07:01.000 family history or otherwise
NOTE Confidence: 0.8346499

00:07:01.058 --> 00:07:02.828 meeting with a genetic counselor.
NOTE Confidence: 0.8346499

00:07:02.830 --> 00:07:04.306 Understanding a risk learning
NOTE Confidence: 0.8346499

00:07:04.306 --> 00:07:06.151 if you hereditary syndrome is
NOTE Confidence: 0.8346499

00:07:06.151 --> 00:07:07.930 really the best place to start.
NOTE Confidence: 0.8346499

00:07:07.930 --> 00:07:10.675 And so with that I will hand it off
NOTE Confidence: 0.8346499

00:07:10.675 --> 00:07:13.707 to Amanda Ganzak and she can take it
NOTE Confidence: 0.814695448

00:07:13.710 --> 00:07:15.710 from here. Thank you.
NOTE Confidence: 0.814695448

00:07:15.710 --> 00:07:17.454 Alright, well thank you everyone
NOTE Confidence: 0.814695448

00:07:17.454 --> 00:07:19.320 for coming and joining us tonight.
NOTE Confidence: 0.814695448

00:07:19.320 --> 00:07:21.867 I hope we can piece out some a couple
NOTE Confidence: 0.814695448

00:07:21.867 --> 00:07:24.293 new information that you might not be
NOTE Confidence: 0.814695448

00:07:24.293 --> 00:07:26.907 aware of and I'm excited to kind of
NOTE Confidence: 0.814695448

00:07:26.907 --> 00:07:28.961 give us a little bit of background.

NOTE Confidence: 0.814695448

00:07:28.961 --> 00:07:30.516 The ABC's of HBO see.

NOTE Confidence: 0.814695448

00:07:30.520 --> 00:07:32.560 So I'm going to talk a little bit

NOTE Confidence: 0.814695448

00:07:32.560 --> 00:07:34.208 about an overview of hereditary

NOTE Confidence: 0.814695448

00:07:34.208 --> 00:07:36.714 breast and ovarian cancer as well as

NOTE Confidence: 0.814695448

00:07:36.782 --> 00:07:38.910 kind of take us through a timeline.

NOTE Confidence: 0.814695448

00:07:38.910 --> 00:07:40.251 You know, really,

NOTE Confidence: 0.814695448

00:07:40.251 --> 00:07:43.380 where did we start and where are

NOTE Confidence: 0.814695448

00:07:43.473 --> 00:07:46.480 we at this point in time? So.

NOTE Confidence: 0.84817076

00:07:49.030 --> 00:07:51.693 Alright, so I'm going to start by going

NOTE Confidence: 0.84817076

00:07:51.693 --> 00:07:54.399 over a little bit of the background.

NOTE Confidence: 0.84817076

00:07:54.400 --> 00:07:57.586 I'm not going to spend a whole lot of

NOTE Confidence: 0.84817076

00:07:57.586 --> 00:08:00.764 time on this, but when we look at what

NOTE Confidence: 0.84817076

00:08:00.764 --> 00:08:02.990 are the different causes for cancer,

NOTE Confidence: 0.84817076

00:08:02.990 --> 00:08:05.251 many people when they come to see

NOTE Confidence: 0.84817076

00:08:05.251 --> 00:08:07.648 Jeanette a genetic counselor like myself,

NOTE Confidence: 0.84817076

00:08:07.650 --> 00:08:10.482 are very surprised to learn that the majority

NOTE Confidence: 0.84817076

00:08:10.482 --> 00:08:13.012 of cancer 7075% of cancer is sporadic.

NOTE Confidence: 0.84817076

00:08:13.012 --> 00:08:14.086 It's just random.

NOTE Confidence: 0.84817076

00:08:14.090 --> 00:08:16.292 Alot of the factors that can

NOTE Confidence: 0.84817076

00:08:16.292 --> 00:08:17.760 contribute to a sporadic.

NOTE Confidence: 0.84817076

00:08:17.760 --> 00:08:19.880 Onset cancer can be numerous.

NOTE Confidence: 0.84817076

00:08:19.880 --> 00:08:23.264 It can include just the normal aging process,

NOTE Confidence: 0.84817076

00:08:23.270 --> 00:08:25.820 lifestyle factors like a smoking history,

NOTE Confidence: 0.84817076

00:08:25.820 --> 00:08:28.358 alcohol, diet can influence our risk.

NOTE Confidence: 0.84817076

00:08:28.360 --> 00:08:30.530 We can see environmental and

NOTE Confidence: 0.84817076

00:08:30.530 --> 00:08:33.170 occupational exposures can put us at

NOTE Confidence: 0.84817076

00:08:33.170 --> 00:08:35.570 risk for particular types of cancers,

NOTE Confidence: 0.84817076

00:08:35.570 --> 00:08:36.314 viruses, factors.

NOTE Confidence: 0.84817076

00:08:36.314 --> 00:08:39.290 We don't even know about and so for

NOTE Confidence: 0.84817076

00:08:39.365 --> 00:08:41.891 most people it's really a combination

NOTE Confidence: 0.84817076

00:08:41.891 --> 00:08:45.041 of all these different factors that can

NOTE Confidence: 0.84817076

00:08:45.041 --> 00:08:47.819 contribute to someone being diagnosed with

NOTE Confidence: 0.84817076

00:08:47.819 --> 00:08:51.146 cancer over the course of their lifetime.

NOTE Confidence: 0.84817076

00:08:51.150 --> 00:08:54.078 But what you don't see in that list

NOTE Confidence: 0.84817076

00:08:54.078 --> 00:08:56.379 or genetics are family history.

NOTE Confidence: 0.84817076

00:08:56.380 --> 00:08:58.774 So for most people they really don't

NOTE Confidence: 0.84817076

00:08:58.774 --> 00:09:02.018 need to see someone like myself to do

NOTE Confidence: 0.84817076

00:09:02.018 --> 00:09:04.660 genetic testing since most cancers is

NOTE Confidence: 0.84817076

00:09:04.660 --> 00:09:07.228 not falling into a hereditary category,

NOTE Confidence: 0.84817076

00:09:07.230 --> 00:09:10.042 there is about 5 to 10% of

NOTE Confidence: 0.84817076

00:09:10.042 --> 00:09:11.650 cancers that are hereditary,

NOTE Confidence: 0.84817076

00:09:11.650 --> 00:09:14.538 and this is really where we want to

NOTE Confidence: 0.84817076

00:09:14.538 --> 00:09:16.878 focus today on our conversation.

NOTE Confidence: 0.84817076

00:09:16.880 --> 00:09:19.694 And when we see cancers that are

NOTE Confidence: 0.84817076

00:09:19.694 --> 00:09:22.218 hereditary and fall in this genetic.

NOTE Confidence: 0.84817076

00:09:22.220 --> 00:09:24.685 Category we will see the individuals have

NOTE Confidence: 0.84817076

00:09:24.685 --> 00:09:27.460 a much greater risk to develop cancer.

NOTE Confidence: 0.84817076

00:09:27.460 --> 00:09:30.078 They are more likely to be diagnosed

NOTE Confidence: 0.84817076

00:09:30.078 --> 00:09:31.200 at younger ages.

NOTE Confidence: 0.84817076

00:09:31.200 --> 00:09:33.288 They can even develop more than

NOTE Confidence: 0.84817076

00:09:33.288 --> 00:09:35.310 one cancer through their lifetime.

NOTE Confidence: 0.84817076

00:09:35.310 --> 00:09:37.614 They might even develop rare cancers

NOTE Confidence: 0.84817076

00:09:37.614 --> 00:09:39.914 and their family members will have

NOTE Confidence: 0.84817076

00:09:39.914 --> 00:09:41.664 an increased risk for cancer,

NOTE Confidence: 0.84817076

00:09:41.670 --> 00:09:43.830 and so it's really important that

NOTE Confidence: 0.84817076

00:09:43.830 --> 00:09:46.210 we can identify those cancers and

NOTE Confidence: 0.84817076

00:09:46.210 --> 00:09:48.808 those individuals who fall in this

NOTE Confidence: 0.84817076

00:09:48.808 --> 00:09:50.683 hereditary category so that we

NOTE Confidence: 0.84817076

00:09:50.683 --> 00:09:52.567 can address each of these factors

NOTE Confidence: 0.84817076

00:09:52.567 --> 00:09:55.880 for them and their family members.

NOTE Confidence: 0.84817076

00:09:55.880 --> 00:09:58.490 So what do we look for when we're assessing

NOTE Confidence: 0.84817076

00:09:58.490 --> 00:10:00.379 someone's personal and family history?

NOTE Confidence: 0.84817076

00:10:00.380 --> 00:10:02.268 So we ask a lot of questions and

NOTE Confidence: 0.84817076

00:10:02.268 --> 00:10:04.247 I'm sure many of you if you've

NOTE Confidence: 0.84817076

00:10:04.247 --> 00:10:06.077 met with a genetic counselor have

NOTE Confidence: 0.84817076

00:10:06.077 --> 00:10:08.015 answered a lot of these questions

NOTE Confidence: 0.84817076

00:10:08.015 --> 00:10:09.272 about your family history,

NOTE Confidence: 0.84817076

00:10:09.272 --> 00:10:11.246 but some of the patterns are red

NOTE Confidence: 0.84817076

00:10:11.246 --> 00:10:13.258 flags that were looking for when we

NOTE Confidence: 0.84817076

00:10:13.258 --> 00:10:15.300 ask all these questions is looking at.

NOTE Confidence: 0.8965869

00:10:19.480 --> 00:10:21.140 I don't know, it just

NOTE Confidence: 0.8965869

00:10:21.140 --> 00:10:22.420 happened, sorry. Hold on.

NOTE Confidence: 0.8200093

00:10:28.800 --> 00:10:29.360 Let's see.

NOTE Confidence: 0.8677136

00:10:31.680 --> 00:10:34.330 Alright thank you alright so I'm looking

NOTE Confidence: 0.8677136

00:10:34.330 --> 00:10:37.199 to determine if the cancers are diagnosed

NOTE Confidence: 0.8677136

00:10:37.199 --> 00:10:40.136 at early ages, such as breast cancers

NOTE Confidence: 0.8677136

00:10:40.136 --> 00:10:42.910 diagnosed prior to the age of 50.

NOTE Confidence: 0.8677136

00:10:42.910 --> 00:10:45.262 Seeing if there's multiple relatives on
NOTE Confidence: 0.8677136

00:10:45.262 --> 00:10:48.519 the same side of the family with breast,
NOTE Confidence: 0.8677136

00:10:48.520 --> 00:10:50.530 ovarian, prostate, and pancreatic cancer.
NOTE Confidence: 0.8677136

00:10:50.530 --> 00:10:52.936 We can see rare cancers like
NOTE Confidence: 0.8677136

00:10:52.936 --> 00:10:54.540 triple negative breast cancers.
NOTE Confidence: 0.8677136

00:10:54.540 --> 00:10:55.743 In these families,
NOTE Confidence: 0.8677136

00:10:55.743 --> 00:10:58.149 ovarian cancer men with breast cancer.
NOTE Confidence: 0.882775250000001

00:11:00.170 --> 00:11:02.130 Some of these cancers can even be
NOTE Confidence: 0.882775250000001

00:11:02.130 --> 00:11:03.803 rather aggressive when we start to
NOTE Confidence: 0.882775250000001

00:11:03.803 --> 00:11:05.363 see prostate cancers that have spread
NOTE Confidence: 0.882775250000001

00:11:05.363 --> 00:11:07.637 to other parts of the body that can
NOTE Confidence: 0.882775250000001

00:11:07.637 --> 00:11:09.282 increase the likelihood or suspicion
NOTE Confidence: 0.882775250000001

00:11:09.282 --> 00:11:11.688 for an inherited risk for cancer.
NOTE Confidence: 0.882775250000001

00:11:11.690 --> 00:11:13.965 And if we see that there are
NOTE Confidence: 0.882775250000001

00:11:13.965 --> 00:11:16.320 individuals in a family that have
NOTE Confidence: 0.882775250000001

00:11:16.320 --> 00:11:18.490 developed more than one cancer,

NOTE Confidence: 0.882775250000001
00:11:18.490 --> 00:11:20.090 someone with bilateral breast
NOTE Confidence: 0.882775250000001
00:11:20.090 --> 00:11:22.090 cancer or breast and ovarian
NOTE Confidence: 0.882775250000001
00:11:22.090 --> 00:11:23.789 cancer as another red flag,
NOTE Confidence: 0.882775250000001
00:11:23.790 --> 00:11:25.752 and the last question that we
NOTE Confidence: 0.882775250000001
00:11:25.752 --> 00:11:27.909 will ask individuals if they have
NOTE Confidence: 0.882775250000001
00:11:27.909 --> 00:11:29.854 an Ashkenazy Jewish or Eastern
NOTE Confidence: 0.882775250000001
00:11:29.854 --> 00:11:31.909 European background as that also
NOTE Confidence: 0.882775250000001
00:11:31.909 --> 00:11:33.954 could increase our suspicion for
NOTE Confidence: 0.882775250000001
00:11:33.954 --> 00:11:37.500 hereditary breast and ovarian cancer.
NOTE Confidence: 0.882775250000001
00:11:37.500 --> 00:11:40.260 Now if we look in just 2020 and
NOTE Confidence: 0.882775250000001
00:11:40.260 --> 00:11:43.715 so you know how much of cancer is
NOTE Confidence: 0.882775250000001
00:11:43.715 --> 00:11:46.590 diagnosed just in this year alone,
NOTE Confidence: 0.882775250000001
00:11:46.590 --> 00:11:48.936 we will see that approximately 191
NOTE Confidence: 0.882775250000001
00:11:48.936 --> 00:11:51.432 thousand men will be diagnosed with
NOTE Confidence: 0.882775250000001
00:11:51.432 --> 00:11:53.994 prostate cancer and the number one
NOTE Confidence: 0.882775250000001

00:11:53.994 --> 00:11:56.089 cancer for women's breast cancer.
NOTE Confidence: 0.882775250000001

00:11:56.090 --> 00:11:57.778 With 267 thousand people.
NOTE Confidence: 0.882775250000001

00:11:57.778 --> 00:12:01.454 So if we estimate that about 10% of each
NOTE Confidence: 0.882775250000001

00:12:01.454 --> 00:12:03.926 of those categories will be hereditary,
NOTE Confidence: 0.882775250000001

00:12:03.930 --> 00:12:06.681 we will see that about 19 thousand
NOTE Confidence: 0.882775250000001

00:12:06.681 --> 00:12:09.254 of those prostate cancers in about
NOTE Confidence: 0.882775250000001

00:12:09.254 --> 00:12:11.876 27,000 of those breast cancer case.
NOTE Confidence: 0.882775250000001

00:12:11.880 --> 00:12:14.379 Cezar due to an inherited risk factor.
NOTE Confidence: 0.882775250000001

00:12:14.380 --> 00:12:16.893 Now imagine that times all the relatives
NOTE Confidence: 0.882775250000001

00:12:16.893 --> 00:12:19.378 that also would be at increased risk,
NOTE Confidence: 0.882775250000001

00:12:19.380 --> 00:12:21.879 so this has real and widespread impact,
NOTE Confidence: 0.882775250000001

00:12:21.880 --> 00:12:24.580 not just for those patients who
NOTE Confidence: 0.882775250000001

00:12:24.580 --> 00:12:27.430 are newly diagnosed but also for
NOTE Confidence: 0.882775250000001

00:12:27.430 --> 00:12:29.830 their relatives in their family.
NOTE Confidence: 0.882775250000001

00:12:29.830 --> 00:12:32.098 And So what really causes hereditary cancer?
NOTE Confidence: 0.882775250000001

00:12:32.100 --> 00:12:32.429 Well,

NOTE Confidence: 0.882775250000001

00:12:32.429 --> 00:12:35.061 it really just boils down to our genes

NOTE Confidence: 0.882775250000001

00:12:35.061 --> 00:12:37.925 and genes are in every cell of our body.

NOTE Confidence: 0.882775250000001

00:12:37.930 --> 00:12:39.550 They are our instruction manuals.

NOTE Confidence: 0.882775250000001

00:12:39.550 --> 00:12:42.466 They really help tell her body how to work,

NOTE Confidence: 0.882775250000001

00:12:42.470 --> 00:12:43.439 how to function.

NOTE Confidence: 0.882775250000001

00:12:43.439 --> 00:12:44.408 They help us,

NOTE Confidence: 0.882775250000001

00:12:44.410 --> 00:12:45.072 you know,

NOTE Confidence: 0.882775250000001

00:12:45.072 --> 00:12:47.058 tell us what color eyes were

NOTE Confidence: 0.882775250000001

00:12:47.058 --> 00:12:49.266 going to have and all of that.

NOTE Confidence: 0.882775250000001

00:12:49.270 --> 00:12:51.208 So they all have different roles.

NOTE Confidence: 0.882775250000001

00:12:51.210 --> 00:12:53.800 An are very important for us to be able to

NOTE Confidence: 0.882775250000001

00:12:53.867 --> 00:12:56.399 have jeans that are functioning properly.

NOTE Confidence: 0.882775250000001

00:12:56.400 --> 00:12:58.338 And where did they come from?

NOTE Confidence: 0.882775250000001

00:12:58.340 --> 00:13:00.030 They come from our parents.

NOTE Confidence: 0.882775250000001

00:13:00.030 --> 00:13:03.280 We inherit one copy of R gene from our mom

NOTE Confidence: 0.882775250000001

00:13:03.365 --> 00:13:06.389 and one copy of our genes from our dad.
NOTE Confidence: 0.882775250000001

00:13:06.390 --> 00:13:09.182 And so while some of our genes are
NOTE Confidence: 0.882775250000001

00:13:09.182 --> 00:13:11.663 responsible for things like our eye
NOTE Confidence: 0.882775250000001

00:13:11.663 --> 00:13:13.798 color or controlling our heartbeat,
NOTE Confidence: 0.882775250000001

00:13:13.800 --> 00:13:16.614 there are other genes that are responsible
NOTE Confidence: 0.882775250000001

00:13:16.614 --> 00:13:18.792 for regulating for preventing cancer
NOTE Confidence: 0.882775250000001

00:13:18.792 --> 00:13:21.510 growth and development in our bodies.
NOTE Confidence: 0.882775250000001

00:13:21.510 --> 00:13:24.387 These genes are really important for us.
NOTE Confidence: 0.882775250000001

00:13:24.390 --> 00:13:24.756 Ann,
NOTE Confidence: 0.882775250000001

00:13:24.756 --> 00:13:26.952 if one of these cancer prevention
NOTE Confidence: 0.882775250000001

00:13:26.952 --> 00:13:29.078 genes has a defect in it,
NOTE Confidence: 0.882775250000001

00:13:29.080 --> 00:13:32.648 it can cause an increase risk to develop
NOTE Confidence: 0.882775250000001

00:13:32.648 --> 00:13:35.699 particular or specific types of cancer.
NOTE Confidence: 0.882775250000001

00:13:35.700 --> 00:13:38.805 And So what are genes and mutations in DNA?
NOTE Confidence: 0.882775250000001

00:13:38.810 --> 00:13:41.618 This is a lot of new language in words
NOTE Confidence: 0.882775250000001

00:13:41.618 --> 00:13:44.242 for a lot of people when they come

NOTE Confidence: 0.882775250000001

00:13:44.242 --> 00:13:46.770 to meet with a genetic counselor.

NOTE Confidence: 0.882775250000001

00:13:46.770 --> 00:13:49.353 So all of our genes are made up of

NOTE Confidence: 0.882775250000001

00:13:49.353 --> 00:13:52.445 DNA and it really is just the DNA is

NOTE Confidence: 0.882775250000001

00:13:52.445 --> 00:13:55.574 the spelling of our genes made up of

NOTE Confidence: 0.882775250000001

00:13:55.574 --> 00:13:58.170 particular letters that come in a very

NOTE Confidence: 0.882775250000001

00:13:58.170 --> 00:14:00.210 particular order or sequence that you

NOTE Confidence: 0.882775250000001

00:14:00.210 --> 00:14:02.685 can see here represented by the TS.

NOTE Confidence: 0.882775250000001

00:14:02.690 --> 00:14:04.420 The GS, the season, Hayes,

NOTE Confidence: 0.882775250000001

00:14:04.420 --> 00:14:06.240 and they're all strung together.

NOTE Confidence: 0.87294793

00:14:06.240 --> 00:14:08.655 To spell out that gene to make

NOTE Confidence: 0.87294793

00:14:08.655 --> 00:14:11.080 sure that it's working properly.

NOTE Confidence: 0.87294793

00:14:11.080 --> 00:14:12.915 But what happens when there

NOTE Confidence: 0.87294793

00:14:12.915 --> 00:14:15.540 is a change in that genetics,

NOTE Confidence: 0.87294793

00:14:15.540 --> 00:14:18.780 spelling or sequence of the gene you know?

NOTE Confidence: 0.87294793

00:14:18.780 --> 00:14:21.531 Here I'm going to use the example

NOTE Confidence: 0.87294793

00:14:21.531 --> 00:14:23.607 where this letters went from
NOTE Confidence: 0.87294793

00:14:23.607 --> 00:14:25.657 GTA highlighted in red here,
NOTE Confidence: 0.87294793

00:14:25.660 --> 00:14:29.428 and a mutation has taken place such that
NOTE Confidence: 0.87294793

00:14:29.428 --> 00:14:32.550 the letters have been changed to T.
NOTE Confidence: 0.87294793

00:14:32.550 --> 00:14:36.833 Hey. Ng now this is not what the genetic
NOTE Confidence: 0.87294793

00:14:36.833 --> 00:14:39.897 spelling was supposed to be for this gene.
NOTE Confidence: 0.87294793

00:14:39.900 --> 00:14:42.192 And by changing this by changing
NOTE Confidence: 0.87294793

00:14:42.192 --> 00:14:44.109 that spelling, this Mutation now
NOTE Confidence: 0.87294793

00:14:44.109 --> 00:14:46.024 stops the gene from working.
NOTE Confidence: 0.87294793

00:14:46.030 --> 00:14:48.328 And when we see these in
NOTE Confidence: 0.87294793

00:14:48.328 --> 00:14:49.860 these cancer prevention jeans,
NOTE Confidence: 0.87294793

00:14:49.860 --> 00:14:52.225 these mutations lead to increased
NOTE Confidence: 0.87294793

00:14:52.225 --> 00:14:55.280 risk for particular types of cancers.
NOTE Confidence: 0.87294793

00:14:55.280 --> 00:14:57.434 Now, when we specifically talk about
NOTE Confidence: 0.87294793

00:14:57.434 --> 00:14:59.310 hereditary breast and ovarian cancer,
NOTE Confidence: 0.87294793

00:14:59.310 --> 00:15:00.120 be RCA wanting,

NOTE Confidence: 0.87294793

00:15:00.120 --> 00:15:02.935 be RCA two or the jeans that are most

NOTE Confidence: 0.87294793

00:15:02.935 --> 00:15:04.655 commonly associated with hereditary

NOTE Confidence: 0.87294793

00:15:04.655 --> 00:15:06.990 breast and ovarian cancer families.

NOTE Confidence: 0.87294793

00:15:06.990 --> 00:15:09.186 When someone has a mutation within

NOTE Confidence: 0.87294793

00:15:09.186 --> 00:15:11.385 one of these two genes, however,

NOTE Confidence: 0.87294793

00:15:11.385 --> 00:15:13.575 they are not the only ones,

NOTE Confidence: 0.87294793

00:15:13.580 --> 00:15:15.004 so stay tuned Camille's.

NOTE Confidence: 0.87294793

00:15:15.004 --> 00:15:17.586 Going to touch on that at right

NOTE Confidence: 0.87294793

00:15:17.586 --> 00:15:19.066 after I'm done here,

NOTE Confidence: 0.87294793

00:15:19.070 --> 00:15:21.266 but when we look through time,

NOTE Confidence: 0.87294793

00:15:21.270 --> 00:15:24.102 BRC A1 and two are still the highest

NOTE Confidence: 0.87294793

00:15:24.102 --> 00:15:25.350 contributing hereditary factors.

NOTE Confidence: 0.87294793

00:15:25.350 --> 00:15:28.070 Her breast in ovarian cancer.

NOTE Confidence: 0.87294793

00:15:28.070 --> 00:15:30.877 When we look among the general population,

NOTE Confidence: 0.87294793

00:15:30.880 --> 00:15:33.680 we have seen about wanting 400 individuals.

NOTE Confidence: 0.87294793

00:15:33.680 --> 00:15:36.776 Will test positive for a mutation
NOTE Confidence: 0.87294793

00:15:36.776 --> 00:15:39.740 in BRC A1 or BRC A2.
NOTE Confidence: 0.87294793

00:15:39.740 --> 00:15:40.115 However,
NOTE Confidence: 0.87294793

00:15:40.115 --> 00:15:42.365 when we look in the Ashkenazi
NOTE Confidence: 0.87294793

00:15:42.365 --> 00:15:43.115 Jewish population,
NOTE Confidence: 0.87294793

00:15:43.120 --> 00:15:45.376 that number goes down to 140,
NOTE Confidence: 0.87294793

00:15:45.380 --> 00:15:47.697 so it's a much higher chance that
NOTE Confidence: 0.87294793

00:15:47.697 --> 00:15:50.434 we will find the RCA Mutation in
NOTE Confidence: 0.87294793

00:15:50.434 --> 00:15:52.514 someone who is Ashkenazi Jewish,
NOTE Confidence: 0.87294793

00:15:52.520 --> 00:15:54.896 especially if they have a personal
NOTE Confidence: 0.87294793

00:15:54.896 --> 00:15:57.409 end or family history of breast CAE,
NOTE Confidence: 0.87294793

00:15:57.410 --> 00:15:58.244 associated cancers.
NOTE Confidence: 0.87294793

00:15:58.244 --> 00:16:01.580 So that's why we ask the question when
NOTE Confidence: 0.87294793

00:16:01.653 --> 00:16:03.963 we are meeting with patients to see
NOTE Confidence: 0.87294793

00:16:03.963 --> 00:16:06.828 if that is an added factor that we
NOTE Confidence: 0.87294793

00:16:06.828 --> 00:16:09.198 should be considering our risk assessment.

NOTE Confidence: 0.87294793

00:16:09.198 --> 00:16:13.224 So when we look closely at BRC A1 and

NOTE Confidence: 0.87294793

00:16:13.224 --> 00:16:16.143 we talk about the risk for cancer,

NOTE Confidence: 0.87294793

00:16:16.150 --> 00:16:19.219 I want to be able to compare that with

NOTE Confidence: 0.87294793

00:16:19.219 --> 00:16:22.257 what we see in the general population.

NOTE Confidence: 0.87294793

00:16:22.260 --> 00:16:24.606 So the general population risk here

NOTE Confidence: 0.87294793

00:16:24.606 --> 00:16:26.977 in this figure is represented by

NOTE Confidence: 0.87294793

00:16:26.977 --> 00:16:29.873 the color blue and that app bar in

NOTE Confidence: 0.87294793

00:16:29.949 --> 00:16:32.211 Green is the risk associated with

NOTE Confidence: 0.87294793

00:16:32.211 --> 00:16:34.992 someone who has a BRC A1 Mutation.

NOTE Confidence: 0.87294793

00:16:34.992 --> 00:16:37.960 So women who have abca one mutation

NOTE Confidence: 0.87294793

00:16:38.045 --> 00:16:40.196 have as much as an 80% risk.

NOTE Confidence: 0.87294793

00:16:40.196 --> 00:16:43.044 But can range somewhere in the 60 to

NOTE Confidence: 0.87294793

00:16:43.044 --> 00:16:45.110 80% risk over their lifetime tend

NOTE Confidence: 0.87294793

00:16:45.110 --> 00:16:47.206 to be diagnosed with breast cancer

NOTE Confidence: 0.87294793

00:16:47.206 --> 00:16:49.261 compared to about the 12% risk

NOTE Confidence: 0.87294793

00:16:49.261 --> 00:16:51.967 we see in the general population.

NOTE Confidence: 0.87294793

00:16:51.970 --> 00:16:53.790 But in women with piercings,

NOTE Confidence: 0.87294793

00:16:53.790 --> 00:16:55.610 one mutations who have already

NOTE Confidence: 0.87294793

00:16:55.610 --> 00:16:57.430 had a breast cancer diagnosis.

NOTE Confidence: 0.87294793

00:16:57.430 --> 00:16:59.758 We also see that they have a higher

NOTE Confidence: 0.87294793

00:16:59.758 --> 00:17:02.193 chance to develop a second newly

NOTE Confidence: 0.87294793

00:17:02.193 --> 00:17:03.973 totally unrelated breast cancer,

NOTE Confidence: 0.87294793

00:17:03.980 --> 00:17:05.882 and that can happen either in

NOTE Confidence: 0.87294793

00:17:05.882 --> 00:17:08.350 the same or the opposite breast,

NOTE Confidence: 0.87294793

00:17:08.350 --> 00:17:10.325 wherever they might have remaining

NOTE Confidence: 0.87294793

00:17:10.325 --> 00:17:12.300 healthy breast tissue that risk

NOTE Confidence: 0.87294793

00:17:12.366 --> 00:17:14.232 what we have learned more recently

NOTE Confidence: 0.87294793

00:17:14.232 --> 00:17:16.295 as we continue to study these

NOTE Confidence: 0.87294793

00:17:16.295 --> 00:17:18.175 families and do genetic testing,

NOTE Confidence: 0.87294793

00:17:18.180 --> 00:17:20.055 that the risk to develop

NOTE Confidence: 0.87294793

00:17:20.055 --> 00:17:21.930 a second breast cancer is.

NOTE Confidence: 0.8772644

00:17:21.930 --> 00:17:24.466 Somewhere between the range of 20 to 40%

NOTE Confidence: 0.8772644

00:17:24.470 --> 00:17:26.570 risk, that risk can be very dependent

NOTE Confidence: 0.8772644

00:17:26.570 --> 00:17:29.104 on a woman's age in which she was

NOTE Confidence: 0.8772644

00:17:29.104 --> 00:17:31.150 diagnosed with her first breast cancer.

NOTE Confidence: 0.8772644

00:17:31.150 --> 00:17:33.769 So if she was very young when she was

NOTE Confidence: 0.8772644

00:17:33.769 --> 00:17:35.919 diagnosed with her first breast cancer,

NOTE Confidence: 0.8772644

00:17:35.920 --> 00:17:38.600 she would have the higher end of that

NOTE Confidence: 0.8772644

00:17:38.600 --> 00:17:40.757 range closer to 40% to be diagnosed

NOTE Confidence: 0.8772644

00:17:40.757 --> 00:17:42.791 with a second breast cancer versus

NOTE Confidence: 0.8772644

00:17:42.791 --> 00:17:45.031 someone who might have been in her 50s

NOTE Confidence: 0.8772644

00:17:45.031 --> 00:17:47.050 with her first breast cancer there.

NOTE Confidence: 0.8772644

00:17:47.050 --> 00:17:49.394 So there can be an influence of the

NOTE Confidence: 0.8772644

00:17:49.394 --> 00:17:52.175 age of onset of the first breast

NOTE Confidence: 0.8772644

00:17:52.175 --> 00:17:54.300 cancer in predicting the likelihood

NOTE Confidence: 0.8772644

00:17:54.376 --> 00:17:56.186 of a second breast cancer.

NOTE Confidence: 0.8772644

00:17:56.190 --> 00:17:58.920 Women with bare see one mutations also
NOTE Confidence: 0.8772644

00:17:58.920 --> 00:18:00.812 have a significantly elevated risk
NOTE Confidence: 0.8772644

00:18:00.812 --> 00:18:03.404 for ovarian cancer as much as a 50%
NOTE Confidence: 0.8772644

00:18:03.410 --> 00:18:05.937 lifetime risk compared to the one to
NOTE Confidence: 0.8772644

00:18:05.937 --> 00:18:09.400 2% risk in the general population.
NOTE Confidence: 0.8772644

00:18:09.400 --> 00:18:11.236 Now, some of the other cancers
NOTE Confidence: 0.8772644

00:18:11.236 --> 00:18:13.130 we see in these families,
NOTE Confidence: 0.8772644

00:18:13.130 --> 00:18:15.882 and with PRC one mutations is a slightly
NOTE Confidence: 0.8772644

00:18:15.882 --> 00:18:18.545 elevated risk of male breast cancer for men.
NOTE Confidence: 0.8772644

00:18:18.550 --> 00:18:20.245 They also have a slightly
NOTE Confidence: 0.8772644

00:18:20.245 --> 00:18:21.940 increased risk of prostate cancer,
NOTE Confidence: 0.8772644

00:18:21.940 --> 00:18:23.158 particularly prostate cancers,
NOTE Confidence: 0.8772644

00:18:23.158 --> 00:18:25.188 that can be more aggressive
NOTE Confidence: 0.8772644

00:18:25.188 --> 00:18:27.460 or be more likely to spread.
NOTE Confidence: 0.8772644

00:18:27.460 --> 00:18:28.986 And, uh,
NOTE Confidence: 0.8772644

00:18:28.986 --> 00:18:33.564 possibly elevated risk of pancreatic cancer.

NOTE Confidence: 0.8772644

00:18:33.570 --> 00:18:35.726 Now when we go and look at

NOTE Confidence: 0.8772644

00:18:35.726 --> 00:18:37.508 the risk through be RCA two,

NOTE Confidence: 0.8772644

00:18:37.510 --> 00:18:39.688 you will see some slight differences

NOTE Confidence: 0.8772644

00:18:39.688 --> 00:18:42.100 between these rest based on these jeans.

NOTE Confidence: 0.8772644

00:18:42.100 --> 00:18:45.788 So in the RCA two women they will

NOTE Confidence: 0.8772644

00:18:45.788 --> 00:18:50.086 have as much as 50 to 7075% risk of

NOTE Confidence: 0.8772644

00:18:50.086 --> 00:18:52.901 being diagnosed with breast cancer

NOTE Confidence: 0.8772644

00:18:52.901 --> 00:18:56.079 and similarly increased risk to be

NOTE Confidence: 0.8772644

00:18:56.079 --> 00:18:58.869 diagnosed with a second breast cancer.

NOTE Confidence: 0.8772644

00:18:58.870 --> 00:19:01.299 Here with the ovarian cancer risk is

NOTE Confidence: 0.8772644

00:19:01.299 --> 00:19:03.771 where there's a little bit of difference

NOTE Confidence: 0.8772644

00:19:03.771 --> 00:19:06.419 between beer CA one and be RCA two,

NOTE Confidence: 0.8772644

00:19:06.420 --> 00:19:10.353 so women with a B or C A2 Mutation would have

NOTE Confidence: 0.8772644

00:19:10.353 --> 00:19:13.244 as much as a 30% risk of ovarian cancer,

NOTE Confidence: 0.8772644

00:19:13.244 --> 00:19:14.588 which is still significantly

NOTE Confidence: 0.8772644

00:19:14.588 --> 00:19:16.019 above the average rest.
NOTE Confidence: 0.8772644

00:19:16.020 --> 00:19:19.060 Men however have more risk if they have
NOTE Confidence: 0.8772644

00:19:19.060 --> 00:19:22.530 a B or C A2 Mutation with as much as
NOTE Confidence: 0.8772644

00:19:22.530 --> 00:19:25.303 of 5 to 8 or 10% likelihood of having
NOTE Confidence: 0.8772644

00:19:25.303 --> 00:19:28.542 male breast cancer as much as the 20% risk.
NOTE Confidence: 0.8772644

00:19:28.542 --> 00:19:31.102 Prostate cancer once again more
NOTE Confidence: 0.8772644

00:19:31.102 --> 00:19:34.029 aggressive in nature and as much as
NOTE Confidence: 0.8772644

00:19:34.029 --> 00:19:36.044 an 8% risk of pancreatic cancer,
NOTE Confidence: 0.8772644

00:19:36.044 --> 00:19:38.270 especially for those who have a
NOTE Confidence: 0.8772644

00:19:38.342 --> 00:19:40.647 family history of pancreatic cancer,
NOTE Confidence: 0.8772644

00:19:40.650 --> 00:19:43.870 compared to about the 1% risk we
NOTE Confidence: 0.8772644

00:19:43.870 --> 00:19:46.845 see in the general population.
NOTE Confidence: 0.8772644

00:19:46.850 --> 00:19:48.965 For both men and women we can also see
NOTE Confidence: 0.8772644

00:19:48.965 --> 00:19:51.377 a slightly increased risk of Melanoma,
NOTE Confidence: 0.8772644

00:19:51.380 --> 00:19:53.621 both of the skin as well as of the
NOTE Confidence: 0.8772644

00:19:53.621 --> 00:19:56.141 I called a uveal Melanoma which is

NOTE Confidence: 0.8772644

00:19:56.141 --> 00:20:00.530 very rare in the population. So.

NOTE Confidence: 0.8772644

00:20:00.530 --> 00:20:02.832 Why is this information so powerful?

NOTE Confidence: 0.8772644

00:20:02.832 --> 00:20:05.589 Why is it important to understand whether

NOTE Confidence: 0.8772644

00:20:05.589 --> 00:20:08.316 someone has a BRC A1 or BRC A2 Mutation?

NOTE Confidence: 0.8772644

00:20:08.320 --> 00:20:08.695 Well.

NOTE Confidence: 0.8772644

00:20:08.695 --> 00:20:09.445 For one,

NOTE Confidence: 0.8772644

00:20:09.445 --> 00:20:12.070 it can help us define the more

NOTE Confidence: 0.8772644

00:20:12.155 --> 00:20:14.945 accurate and personalized risk for

NOTE Confidence: 0.8772644

00:20:14.945 --> 00:20:17.735 an individual to develop cancer.

NOTE Confidence: 0.8772644

00:20:17.740 --> 00:20:20.884 It can give us the ability to increase

NOTE Confidence: 0.8772644

00:20:20.884 --> 00:20:22.945 our screening for these particular

NOTE Confidence: 0.8772644

00:20:22.945 --> 00:20:25.745 cancers with the goal to be able

NOTE Confidence: 0.8772644

00:20:25.826 --> 00:20:28.316 to identify cancer at an earlier,

NOTE Confidence: 0.8772644

00:20:28.320 --> 00:20:30.630 more treatable stage.

NOTE Confidence: 0.8772644

00:20:30.630 --> 00:20:32.565 There are some medications or

NOTE Confidence: 0.8772644

00:20:32.565 --> 00:20:34.500 what we call chemo prevention

NOTE Confidence: 0.8795519

00:20:34.569 --> 00:20:36.319 options that can help us

NOTE Confidence: 0.8795519

00:20:36.319 --> 00:20:37.719 reduce risk for cancer.

NOTE Confidence: 0.8795519

00:20:37.720 --> 00:20:39.208 Examples would be tamoxifen

NOTE Confidence: 0.8795519

00:20:39.208 --> 00:20:41.068 to reduce breast cancer risk,

NOTE Confidence: 0.8795519

00:20:41.070 --> 00:20:44.213 an oral birth control pills to help

NOTE Confidence: 0.8795519

00:20:44.213 --> 00:20:47.240 reduce the risk of ovarian cancer.

NOTE Confidence: 0.8795519

00:20:47.240 --> 00:20:49.837 But we also have other risk reducing

NOTE Confidence: 0.8795519

00:20:49.837 --> 00:20:51.727 strategies like surgery to help

NOTE Confidence: 0.8795519

00:20:51.727 --> 00:20:53.492 prevent or significantly reduce their

NOTE Confidence: 0.8795519

00:20:53.492 --> 00:20:55.785 risk in our high risk individuals

NOTE Confidence: 0.8795519

00:20:55.785 --> 00:20:58.125 and those types of examples would

NOTE Confidence: 0.8795519

00:20:58.125 --> 00:20:59.648 include removing the fallopian

NOTE Confidence: 0.8795519

00:20:59.648 --> 00:21:01.905 tubes in the ovaries to help

NOTE Confidence: 0.8795519

00:21:01.905 --> 00:21:04.155 reduce the risk of ovarian cancer.

NOTE Confidence: 0.8795519

00:21:04.160 --> 00:21:07.634 So stay tuned to next week 'cause this is

NOTE Confidence: 0.8795519

00:21:07.634 --> 00:21:10.548 definitely get covered in a lot more detail,

NOTE Confidence: 0.8795519

00:21:10.550 --> 00:21:15.338 and this is just sort of the highlights here.

NOTE Confidence: 0.8795519

00:21:15.340 --> 00:21:17.719 In the last several years, though,

NOTE Confidence: 0.8795519

00:21:17.719 --> 00:21:20.233 there have also been targeted treatments

NOTE Confidence: 0.8795519

00:21:20.233 --> 00:21:22.604 designed specifically for those who've been

NOTE Confidence: 0.8795519

00:21:22.604 --> 00:21:24.716 diagnosed with obc cancer like breast,

NOTE Confidence: 0.8795519

00:21:24.720 --> 00:21:26.288 ovarian or pancreatic cancer.

NOTE Confidence: 0.8795519

00:21:26.290 --> 00:21:29.228 So it's even opening options for the

NOTE Confidence: 0.8795519

00:21:29.228 --> 00:21:32.419 medical oncologists in terms of how to

NOTE Confidence: 0.8795519

00:21:32.419 --> 00:21:34.704 treat these cancers differently than

NOTE Confidence: 0.8795519

00:21:34.704 --> 00:21:37.467 they might an ovarian or pancreatic

NOTE Confidence: 0.8795519

00:21:37.467 --> 00:21:40.883 cancer in someone who has a sporadic onset.

NOTE Confidence: 0.8795519

00:21:40.890 --> 00:21:43.938 But it also allows us to more precisely

NOTE Confidence: 0.8795519

00:21:43.938 --> 00:21:46.759 identify who is at risk in their family.

NOTE Confidence: 0.8795519

00:21:46.760 --> 00:21:48.595 Individuals who have been seeing

NOTE Confidence: 0.8795519

00:21:48.595 --> 00:21:50.435 mutations have a 50% chance
NOTE Confidence: 0.8795519

00:21:50.435 --> 00:21:52.625 to pass that mutation on an,
NOTE Confidence: 0.8795519

00:21:52.630 --> 00:21:55.045 so it's important that both the men
NOTE Confidence: 0.8795519

00:21:55.045 --> 00:21:57.954 and the women in the family are aware
NOTE Confidence: 0.8795519

00:21:57.954 --> 00:22:00.591 of the familial mutation so that they
NOTE Confidence: 0.8795519

00:22:00.591 --> 00:22:02.877 can go forward with genetic testing
NOTE Confidence: 0.8795519

00:22:02.877 --> 00:22:05.330 and just a common question that we
NOTE Confidence: 0.8795519

00:22:05.330 --> 00:22:07.877 always get is that Ken men inherit
NOTE Confidence: 0.8795519

00:22:07.877 --> 00:22:10.614 these mutations and the answer is yes.
NOTE Confidence: 0.8795519

00:22:10.620 --> 00:22:12.580 Both men and women having.
NOTE Confidence: 0.8795519

00:22:12.580 --> 00:22:16.087 Equal chance that 50% risk to inherit
NOTE Confidence: 0.8795519

00:22:16.087 --> 00:22:18.909 the Mutation That's in the family.
NOTE Confidence: 0.8795519

00:22:18.910 --> 00:22:21.598 So let's talk a little bit about
NOTE Confidence: 0.8795519

00:22:21.598 --> 00:22:23.949 the history and timeline of B.
NOTE Confidence: 0.8795519

00:22:23.950 --> 00:22:25.114 RC81 and two,
NOTE Confidence: 0.8795519

00:22:25.114 --> 00:22:27.830 and one has changed through the years,

NOTE Confidence: 0.8795519

00:22:27.830 --> 00:22:30.395 so in 1994 was when the BRC A1 Gene

NOTE Confidence: 0.8795519

00:22:30.395 --> 00:22:33.218 was first discovered and be RCA two

NOTE Confidence: 0.8795519

00:22:33.218 --> 00:22:36.290 is quickly thereafter it in 1995 and

NOTE Confidence: 0.8795519

00:22:36.290 --> 00:22:39.008 things discovered these jeans by really

NOTE Confidence: 0.8795519

00:22:39.008 --> 00:22:40.998 recruiting and studying families that

NOTE Confidence: 0.8795519

00:22:40.998 --> 00:22:42.908 had very significant family histories

NOTE Confidence: 0.8795519

00:22:42.908 --> 00:22:45.290 of pressed ovarian and other cancers.

NOTE Confidence: 0.8795519

00:22:45.290 --> 00:22:47.265 Young onset those families that

NOTE Confidence: 0.8795519

00:22:47.265 --> 00:22:49.650 were really sticking out to them.

NOTE Confidence: 0.8795519

00:22:49.650 --> 00:22:49.953 Yes,

NOTE Confidence: 0.8795519

00:22:49.953 --> 00:22:52.377 something's gotta be going on here and then.

NOTE Confidence: 0.8795519

00:22:52.380 --> 00:22:54.612 That's really what has led to so much

NOTE Confidence: 0.8795519

00:22:54.612 --> 00:22:57.226 work to be able to discover these jeans.

NOTE Confidence: 0.8795519

00:22:57.230 --> 00:22:59.654 And we think so many of the patients

NOTE Confidence: 0.8795519

00:22:59.654 --> 00:23:01.541 that have come before the patients

NOTE Confidence: 0.8795519

00:23:01.541 --> 00:23:04.193 that we see now to be able to have
NOTE Confidence: 0.8795519

00:23:04.193 --> 00:23:06.560 gathered all this information.
NOTE Confidence: 0.8795519

00:23:06.560 --> 00:23:07.787 And in 1996,
NOTE Confidence: 0.8795519

00:23:07.787 --> 00:23:10.241 myriad genetics where some of you
NOTE Confidence: 0.8795519

00:23:10.241 --> 00:23:13.489 on the call here today might have
NOTE Confidence: 0.8795519

00:23:13.489 --> 00:23:16.330 been tested through this laboratory.
NOTE Confidence: 0.8795519

00:23:16.330 --> 00:23:19.039 They had applied and started offering BRC
NOTE Confidence: 0.8795519

00:23:19.039 --> 00:23:22.839 A1 and B RC2 genetic testing commercially.
NOTE Confidence: 0.8795519

00:23:22.840 --> 00:23:25.105 An shortly thereafter they applied
NOTE Confidence: 0.8795519

00:23:25.105 --> 00:23:27.918 and were granted patents that were
NOTE Confidence: 0.8795519

00:23:27.918 --> 00:23:30.278 specific to localising these jeans.
NOTE Confidence: 0.8795519

00:23:30.280 --> 00:23:32.475 These those letters in sequence
NOTE Confidence: 0.8795519

00:23:32.475 --> 00:23:35.390 is that we talked about earlier,
NOTE Confidence: 0.8795519

00:23:35.390 --> 00:23:36.380 they patented.
NOTE Confidence: 0.8795519

00:23:36.380 --> 00:23:38.360 All of that information,
NOTE Confidence: 0.8795519

00:23:38.360 --> 00:23:40.901 and so they were the only laboratory

NOTE Confidence: 0.8795519

00:23:40.901 --> 00:23:43.018 that really were allowed to do.

NOTE Confidence: 0.8795519

00:23:43.020 --> 00:23:45.498 BRC A1 and B RCA 2 testing

NOTE Confidence: 0.8795519

00:23:45.498 --> 00:23:47.310 after that point in time.

NOTE Confidence: 0.8795519

00:23:47.310 --> 00:23:49.458 So they really monopolize the market

NOTE Confidence: 0.8795519

00:23:49.458 --> 00:23:51.918 and really we're the only option for

NOTE Confidence: 0.8795519

00:23:51.918 --> 00:23:54.158 us to be able to coordinate genetic

NOTE Confidence: 0.8551114

00:23:54.229 --> 00:23:57.340 testing for patients. For BRC, A1 and B,

NOTE Confidence: 0.8551114

00:23:57.340 --> 00:24:01.560 RCA 2 and it led to a very hefty price

NOTE Confidence: 0.8551114

00:24:01.672 --> 00:24:05.668 tag of over \$4000 to do the test so.

NOTE Confidence: 0.8551114

00:24:05.670 --> 00:24:08.324 That changed on June 13th, 2013.

NOTE Confidence: 0.8551114

00:24:08.324 --> 00:24:10.928 the Supreme Court made a unanimous

NOTE Confidence: 0.8551114

00:24:10.928 --> 00:24:12.750 decision that Genomic sequences

NOTE Confidence: 0.8551114

00:24:12.750 --> 00:24:14.970 or genes cannot be patented.

NOTE Confidence: 0.8551114

00:24:14.970 --> 00:24:16.746 Their biology, they're there.

NOTE Confidence: 0.8551114

00:24:16.746 --> 00:24:19.850 We didn't do anything to create them.

NOTE Confidence: 0.8551114

00:24:19.850 --> 00:24:21.191 The already existed,
NOTE Confidence: 0.8551114

00:24:21.191 --> 00:24:25.270 and so no longer can be packed in these
NOTE Confidence: 0.8551114

00:24:25.270 --> 00:24:28.702 jeans or sequences and back on that day.
NOTE Confidence: 0.8551114

00:24:28.710 --> 00:24:31.356 When this all news came out,
NOTE Confidence: 0.8551114

00:24:31.360 --> 00:24:34.456 I took a screenshot of one
NOTE Confidence: 0.8551114

00:24:34.456 --> 00:24:36.520 of the laboratories that.
NOTE Confidence: 0.8551114

00:24:36.520 --> 00:24:39.075 Publicize this, your jeans have been freed.
NOTE Confidence: 0.8551114

00:24:39.080 --> 00:24:41.270 Message and it's an important one.
NOTE Confidence: 0.8551114

00:24:41.270 --> 00:24:43.496 I think in the history of beer
NOTE Confidence: 0.8551114

00:24:43.496 --> 00:24:45.887 see wanting to because it then
NOTE Confidence: 0.8551114

00:24:45.887 --> 00:24:48.152 allowed other laboratories to start
NOTE Confidence: 0.8551114

00:24:48.152 --> 00:24:50.757 offering BRC A1 and B RCA 2 testing.
NOTE Confidence: 0.8551114

00:24:50.760 --> 00:24:53.455 It also allowed them to start to
NOTE Confidence: 0.8551114

00:24:53.455 --> 00:24:55.356 bundle additional breast and ovarian
NOTE Confidence: 0.8551114

00:24:55.356 --> 00:24:58.060 cancer genes along with BRC A1 in two.
NOTE Confidence: 0.8551114

00:24:58.060 --> 00:25:00.230 When we do genetic testing which now

NOTE Confidence: 0.8551114

00:25:00.230 --> 00:25:03.106 as we talk about is what we would

NOTE Confidence: 0.8551114

00:25:03.106 --> 00:25:04.986 reference panel genetic testing as

NOTE Confidence: 0.8551114

00:25:05.052 --> 00:25:07.817 a test mean work frequently offer to

NOTE Confidence: 0.8551114

00:25:07.817 --> 00:25:09.782 patients coming through our program.

NOTE Confidence: 0.8551114

00:25:09.782 --> 00:25:12.484 But there are many more labs that

NOTE Confidence: 0.8551114

00:25:12.484 --> 00:25:15.438 now are available for us to be able

NOTE Confidence: 0.8551114

00:25:15.438 --> 00:25:18.063 to utilize and it really changed

NOTE Confidence: 0.8551114

00:25:18.063 --> 00:25:20.523 the landscape of genetic testing.

NOTE Confidence: 0.8551114

00:25:20.530 --> 00:25:23.474 And so when I look over the past

NOTE Confidence: 0.8551114

00:25:23.474 --> 00:25:25.880 20 years of genetic testing for

NOTE Confidence: 0.8551114

00:25:25.880 --> 00:25:28.250 BRC A1 and B RCA two,

NOTE Confidence: 0.8551114

00:25:28.250 --> 00:25:31.634 there was a lot of debate in the very

NOTE Confidence: 0.8551114

00:25:31.634 --> 00:25:34.418 beginning about who should we test for.

NOTE Confidence: 0.8551114

00:25:34.420 --> 00:25:35.174 BRC A1,

NOTE Confidence: 0.8551114

00:25:35.174 --> 00:25:38.673 NVR CK2 and the reason we debated this was

NOTE Confidence: 0.8551114

00:25:38.673 --> 00:25:41.873 because it was expensive to do the test.

NOTE Confidence: 0.8551114

00:25:41.880 --> 00:25:44.232 And we also know that most

NOTE Confidence: 0.8551114

00:25:44.232 --> 00:25:45.408 people with breast,

NOTE Confidence: 0.8551114

00:25:45.410 --> 00:25:47.234 ovarian and other cancers

NOTE Confidence: 0.8551114

00:25:47.234 --> 00:25:49.970 do not have a BRCA Mutation.

NOTE Confidence: 0.8551114

00:25:49.970 --> 00:25:52.406 So historically we really focused on

NOTE Confidence: 0.8551114

00:25:52.406 --> 00:25:56.380 who was most at risk to have a mutation

NOTE Confidence: 0.8551114

00:25:56.380 --> 00:25:58.645 instead of just testing everybody.

NOTE Confidence: 0.8551114

00:25:58.650 --> 00:26:01.625 And so really the decision as to

NOTE Confidence: 0.8551114

00:26:01.625 --> 00:26:05.380 who to ask was driven by the cause.

NOTE Confidence: 0.8551114

00:26:05.380 --> 00:26:07.366 And not so much the benefit.

NOTE Confidence: 0.8551114

00:26:07.370 --> 00:26:09.586 And so I want to take us through

NOTE Confidence: 0.8551114

00:26:09.586 --> 00:26:12.111 a little bit of how that impact

NOTE Confidence: 0.8551114

00:26:12.111 --> 00:26:14.006 has changed our current practice.

NOTE Confidence: 0.8551114

00:26:14.010 --> 00:26:16.666 So since this Supreme Court decision in 2013,

NOTE Confidence: 0.8551114

00:26:16.670 --> 00:26:18.662 and because there are more laboratories

NOTE Confidence: 0.8551114

00:26:18.662 --> 00:26:21.319 who are offering the RCA wanting to testing,

NOTE Confidence: 0.8551114

00:26:21.320 --> 00:26:23.231 it really has shaken up the market

NOTE Confidence: 0.8551114

00:26:23.231 --> 00:26:24.985 an allowed more competitive pricing

NOTE Confidence: 0.8551114

00:26:24.985 --> 00:26:26.296 for genetic testing,

NOTE Confidence: 0.8551114

00:26:26.300 --> 00:26:28.202 and that cost has really come

NOTE Confidence: 0.8551114

00:26:28.202 --> 00:26:30.280 down for a number of reasons.

NOTE Confidence: 0.8551114

00:26:30.280 --> 00:26:32.527 One of the reasons being that the

NOTE Confidence: 0.8551114

00:26:32.527 --> 00:26:34.978 technology to test these jeans has gotten.

NOTE Confidence: 0.8551114

00:26:34.980 --> 00:26:35.383 Better,

NOTE Confidence: 0.8551114

00:26:35.383 --> 00:26:35.786 faster,

NOTE Confidence: 0.8551114

00:26:35.786 --> 00:26:38.607 cheaper and still that cost has really

NOTE Confidence: 0.8551114

00:26:38.607 --> 00:26:41.128 gone down and many more patients can

NOTE Confidence: 0.8551114

00:26:41.128 --> 00:26:43.306 afford the cost of genetic testing

NOTE Confidence: 0.8551114

00:26:43.306 --> 00:26:45.889 if they have a potential out of

NOTE Confidence: 0.8551114

00:26:45.889 --> 00:26:47.526 pocket through their insurance.

NOTE Confidence: 0.8551114

00:26:47.526 --> 00:26:50.058 But patients also have the option
NOTE Confidence: 0.8551114

00:26:50.058 --> 00:26:52.463 to pay for testing out of pocket
NOTE Confidence: 0.8551114

00:26:52.463 --> 00:26:54.555 for as little as \$250 compared
NOTE Confidence: 0.8551114

00:26:54.555 --> 00:26:56.787 to that over \$4000 price tag.
NOTE Confidence: 0.8551114

00:26:56.790 --> 00:26:59.526 So I think now when you look at how
NOTE Confidence: 0.8551114

00:26:59.526 --> 00:27:02.427 these things balance against each other,
NOTE Confidence: 0.8551114

00:27:02.430 --> 00:27:05.550 you can see that we probably have more.
NOTE Confidence: 0.8551114

00:27:05.550 --> 00:27:07.520 Benefit to do testing since
NOTE Confidence: 0.8551114

00:27:07.520 --> 00:27:09.490 the cost has gotten so
NOTE Confidence: 0.85472

00:27:09.573 --> 00:27:12.033 much cheaper an it really I
NOTE Confidence: 0.85472

00:27:12.033 --> 00:27:14.632 think allows more people to do
NOTE Confidence: 0.85472

00:27:14.632 --> 00:27:16.827 genetic testing than ever before.
NOTE Confidence: 0.85472

00:27:16.830 --> 00:27:19.188 And so I wanna you know,
NOTE Confidence: 0.85472

00:27:19.190 --> 00:27:21.554 thank you for sticking through all
NOTE Confidence: 0.85472

00:27:21.554 --> 00:27:24.654 of this so far, but sort of some
NOTE Confidence: 0.85472

00:27:24.654 --> 00:27:27.470 of the takeaways of my talk here.

NOTE Confidence: 0.85472

00:27:27.470 --> 00:27:30.974 Is that only about 5 to 10% of cancers

NOTE Confidence: 0.85472

00:27:30.974 --> 00:27:32.834 fall into a hereditary susceptibility

NOTE Confidence: 0.85472

00:27:32.834 --> 00:27:35.350 category due to an inherited mutations.

NOTE Confidence: 0.85472

00:27:35.350 --> 00:27:38.502 BRC, A1 and two remain the most common

NOTE Confidence: 0.85472

00:27:38.502 --> 00:27:40.672 hereditary cause of breast, ovarian,

NOTE Confidence: 0.85472

00:27:40.672 --> 00:27:43.040 prostate and pancreatic cancer.

NOTE Confidence: 0.85472

00:27:43.040 --> 00:27:44.352 Genetic testing is available.

NOTE Confidence: 0.85472

00:27:44.352 --> 00:27:46.320 It's most often covered by insurance,

NOTE Confidence: 0.85472

00:27:46.320 --> 00:27:48.455 especially in those two have a very

NOTE Confidence: 0.85472

00:27:48.455 --> 00:27:50.260 strong personal and family history,

NOTE Confidence: 0.85472

00:27:50.260 --> 00:27:52.186 but costs are much more affordable

NOTE Confidence: 0.85472

00:27:52.186 --> 00:27:53.860 in the in years past,

NOTE Confidence: 0.85472

00:27:53.860 --> 00:27:55.996 so even have the option to pay out

NOTE Confidence: 0.85472

00:27:55.996 --> 00:27:58.503 of pocket for those who are still

NOTE Confidence: 0.85472

00:27:58.503 --> 00:28:00.413 interested in pursuing genetic testing.

NOTE Confidence: 0.85472

00:28:00.420 --> 00:28:02.562 And if you or someone you know
NOTE Confidence: 0.85472

00:28:02.562 --> 00:28:04.359 would benefit from our services,
NOTE Confidence: 0.85472

00:28:04.360 --> 00:28:06.328 I'm including our phone number here,
NOTE Confidence: 0.85472

00:28:06.330 --> 00:28:08.895 so please give us a call and do not
NOTE Confidence: 0.85472

00:28:08.895 --> 00:28:10.627 hesitate to get this information
NOTE Confidence: 0.85472

00:28:10.627 --> 00:28:12.691 out to anybody that you might
NOTE Confidence: 0.85472

00:28:12.757 --> 00:28:14.249 know who would benefit.
NOTE Confidence: 0.85472

00:28:14.250 --> 00:28:16.138 From its thank you,
NOTE Confidence: 0.85472

00:28:16.138 --> 00:28:19.830 I'm going to transition now to Camille.
NOTE Confidence: 0.85472

00:28:19.830 --> 00:28:23.556 She's one of our genetic counselors
NOTE Confidence: 0.85472

00:28:23.556 --> 00:28:27.770 and she's going to segue us over.
NOTE Confidence: 0.85472

00:28:27.770 --> 00:28:28.766 To you know,
NOTE Confidence: 0.85472

00:28:28.766 --> 00:28:30.426 these additional genes that we
NOTE Confidence: 0.85472

00:28:30.426 --> 00:28:31.954 see associated with hereditary
NOTE Confidence: 0.85472

00:28:31.954 --> 00:28:33.558 breast and ovarian cancer.
NOTE Confidence: 0.85087115

00:28:37.140 --> 00:28:41.028 OK hi, so my name is Camille Ann.

NOTE Confidence: 0.85087115

00:28:41.030 --> 00:28:43.940 Thank you for being here tonight.

NOTE Confidence: 0.85087115

00:28:43.940 --> 00:28:47.948 The name of my talk today so I

NOTE Confidence: 0.85087115

00:28:47.948 --> 00:28:51.958 just need to take control of the.

NOTE Confidence: 0.85087115

00:28:51.960 --> 00:28:59.560 Erica perfect there with my talk today. Who?

NOTE Confidence: 0.60829955

00:29:02.140 --> 00:29:02.750 Once.

NOTE Confidence: 0.86355186

00:29:05.040 --> 00:29:08.665 Where can I run through

NOTE Confidence: 0.86355186

00:29:08.665 --> 00:29:10.840 Amanda's presentation quickly?

NOTE Confidence: 0.81057864

00:29:27.570 --> 00:29:30.867 Perfect, so my talk today is other

NOTE Confidence: 0.81057864

00:29:30.867 --> 00:29:32.984 hereditary breast and ovarian

NOTE Confidence: 0.81057864

00:29:32.984 --> 00:29:36.069 cancer genes and their implications.

NOTE Confidence: 0.81057864

00:29:36.070 --> 00:29:38.548 So I may be using HBO.

NOTE Confidence: 0.81057864

00:29:38.550 --> 00:29:41.822 See throughout the talk so it does tend

NOTE Confidence: 0.81057864

00:29:41.822 --> 00:29:44.760 for hereditary graph in the Bering cancer.

NOTE Confidence: 0.81057864

00:29:44.760 --> 00:29:47.749 So as previously reviewed by Amanda at

NOTE Confidence: 0.81057864

00:29:47.749 --> 00:29:50.647 the majority of cancers are for attic

NOTE Confidence: 0.81057864

00:29:50.647 --> 00:29:53.576 and only 10% of cancers are hereditary
NOTE Confidence: 0.81057864

00:29:53.576 --> 00:29:57.130 in advances in the field of genetic has
NOTE Confidence: 0.81057864

00:29:57.130 --> 00:30:00.346 led to the discovery of the PRC one.
NOTE Confidence: 0.81057864

00:30:00.350 --> 00:30:04.398 CRT two genes, but also several other genes
NOTE Confidence: 0.81057864

00:30:04.398 --> 00:30:07.834 that increase the risk for hereditary
NOTE Confidence: 0.81057864

00:30:07.834 --> 00:30:10.744 breast variant and related cancers.
NOTE Confidence: 0.81057864

00:30:10.750 --> 00:30:12.278 So Amanda already covered
NOTE Confidence: 0.81057864

00:30:12.278 --> 00:30:14.570 the PRC 1B R C2 jeans,
NOTE Confidence: 0.81057864

00:30:14.570 --> 00:30:17.776 and I will cover most of the
NOTE Confidence: 0.81057864

00:30:17.776 --> 00:30:20.030 other jeans during my talk.
NOTE Confidence: 0.81057864

00:30:20.030 --> 00:30:20.549 Um?
NOTE Confidence: 0.81057864

00:30:20.549 --> 00:30:24.182 I just wanted to discuss a different
NOTE Confidence: 0.81057864

00:30:24.182 --> 00:30:27.389 risk level associated with different
NOTE Confidence: 0.81057864

00:30:27.389 --> 00:30:31.523 genes and we have three categories.
NOTE Confidence: 0.81057864

00:30:31.530 --> 00:30:34.370 The high risk, moderate risk,
NOTE Confidence: 0.81057864

00:30:34.370 --> 00:30:39.536 an unknown risk in high risk genes

NOTE Confidence: 0.81057864

00:30:39.536 --> 00:30:41.012 are considered.

NOTE Confidence: 0.81057864

00:30:41.020 --> 00:30:44.289 Is the lifetime risk of developing cancer

NOTE Confidence: 0.81057864

00:30:44.289 --> 00:30:47.504 is more than 40% versus moderate risk?

NOTE Confidence: 0.81057864

00:30:47.504 --> 00:30:50.432 Genes would be the lifetime risk

NOTE Confidence: 0.81057864

00:30:50.432 --> 00:30:53.330 of cancer is between 20 to 43%

NOTE Confidence: 0.81057864

00:30:53.330 --> 00:30:56.066 and then for the unknown risk.

NOTE Confidence: 0.81057864

00:30:56.070 --> 00:30:58.848 Their jeans that have been discovered

NOTE Confidence: 0.81057864

00:30:58.848 --> 00:31:02.107 more recently and the data that is

NOTE Confidence: 0.81057864

00:31:02.107 --> 00:31:05.187 available for these games might be limited.

NOTE Confidence: 0.8650608

00:31:07.570 --> 00:31:10.906 So we can find general general

NOTE Confidence: 0.8650608

00:31:10.906 --> 00:31:13.130 recommendation through each categories.

NOTE Confidence: 0.8650608

00:31:13.130 --> 00:31:17.578 If we think of the high risk genes.

NOTE Confidence: 0.8650608

00:31:17.580 --> 00:31:20.215 The medical management may include

NOTE Confidence: 0.8650608

00:31:20.215 --> 00:31:23.520 starting cancer screening and an earlier

NOTE Confidence: 0.8650608

00:31:23.520 --> 00:31:26.470 age increase the screening frequency.

NOTE Confidence: 0.8650608

00:31:26.470 --> 00:31:29.105 We may recommend or consider
NOTE Confidence: 0.8650608

00:31:29.105 --> 00:31:31.740 surgical intervention and as Amanda
NOTE Confidence: 0.8650608

00:31:31.829 --> 00:31:33.641 mentioned earlier chemoprevention
NOTE Confidence: 0.8650608

00:31:33.641 --> 00:31:37.265 or medication to try to prevent.
NOTE Confidence: 0.8650608

00:31:37.270 --> 00:31:41.398 Chancer as much as possible for the moderate,
NOTE Confidence: 0.8650608

00:31:41.400 --> 00:31:44.490 risking those recommendation may still apply,
NOTE Confidence: 0.8650608

00:31:44.490 --> 00:31:47.706 but it's more of a jeans jeans basis
NOTE Confidence: 0.8650608

00:31:47.706 --> 00:31:51.745 and we may want to consider the family
NOTE Confidence: 0.8650608

00:31:51.745 --> 00:31:54.580 history for the specific medical
NOTE Confidence: 0.8650608

00:31:54.580 --> 00:31:58.426 management for those moderate risk gene.
NOTE Confidence: 0.8650608

00:31:58.430 --> 00:32:01.964 And we will talk more about
NOTE Confidence: 0.8650608

00:32:01.964 --> 00:32:04.320 it throughout the talk.
NOTE Confidence: 0.8650608

00:32:04.320 --> 00:32:07.080 For the newly discovered gene,
NOTE Confidence: 0.8650608

00:32:07.080 --> 00:32:10.110 we tried to base medical management
NOTE Confidence: 0.8650608

00:32:10.110 --> 00:32:14.024 on the family history until more data
NOTE Confidence: 0.8650608

00:32:14.024 --> 00:32:17.019 becomes available through the through,

NOTE Confidence: 0.8650608
00:32:17.020 --> 00:32:20.920 the newly discovered gene.
NOTE Confidence: 0.8650608
00:32:20.920 --> 00:32:21.580 Ann
NOTE Confidence: 0.80838865
00:32:34.820 --> 00:32:37.490 OK, so as you can see,
NOTE Confidence: 0.80838865
00:32:37.490 --> 00:32:39.715 there are many genes associated
NOTE Confidence: 0.80838865
00:32:39.715 --> 00:32:41.940 with hereditary breast into an.
NOTE Confidence: 0.80838865
00:32:41.940 --> 00:32:44.982 I'm mostly gonna focus on Selby
NOTE Confidence: 0.80838865
00:32:44.982 --> 00:32:48.997 to check to an ATM for today an.
NOTE Confidence: 0.80838865
00:32:49.000 --> 00:32:52.008 If we start with the pal B2 gene
NOTE Confidence: 0.80838865
00:32:52.008 --> 00:32:54.764 woman with a fabric termination
NOTE Confidence: 0.80838865
00:32:54.764 --> 00:32:57.954 haven't increased lifetime risk of
NOTE Confidence: 0.80838865
00:32:57.954 --> 00:33:00.636 developing breast cancer in this
NOTE Confidence: 0.80838865
00:33:00.636 --> 00:33:03.695 risk is estimated between 30 to 58%
NOTE Confidence: 0.80838865
00:33:03.700 --> 00:33:06.388 and some data suggests that there
NOTE Confidence: 0.80838865
00:33:06.388 --> 00:33:09.283 could be a possible increase risk
NOTE Confidence: 0.80838865
00:33:09.283 --> 00:33:12.325 for a second primary breast cancer
NOTE Confidence: 0.80838865

00:33:12.325 --> 00:33:15.457 in possibly male breast cancer also,
NOTE Confidence: 0.80838865

00:33:15.460 --> 00:33:19.436 but more research is needed to describe the.
NOTE Confidence: 0.80838865

00:33:19.440 --> 00:33:21.810 To clarify those specific list,
NOTE Confidence: 0.80838865

00:33:21.810 --> 00:33:24.648 there is also an associated increased
NOTE Confidence: 0.80838865

00:33:24.648 --> 00:33:26.540 risk for pancreatic cancer.
NOTE Confidence: 0.80838865

00:33:26.540 --> 00:33:28.900 For the pal V2 jeans,
NOTE Confidence: 0.80838865

00:33:28.900 --> 00:33:32.036 and there are some data that suggests
NOTE Confidence: 0.80838865

00:33:32.036 --> 00:33:34.580 additional risk or other cancers,
NOTE Confidence: 0.80838865

00:33:34.580 --> 00:33:36.468 including the ovarian cancer
NOTE Confidence: 0.80838865

00:33:36.468 --> 00:33:38.356 in the prostate cancer,
NOTE Confidence: 0.80838865

00:33:38.360 --> 00:33:41.251 but we're missing a lot of data
NOTE Confidence: 0.80838865

00:33:41.251 --> 00:33:44.677 before we can say whether there is
NOTE Confidence: 0.80838865

00:33:44.677 --> 00:33:47.815 an increased risk for these cancers.
NOTE Confidence: 0.80838865

00:33:47.820 --> 00:33:50.610 An actually changed the management.
NOTE Confidence: 0.80838865

00:33:50.610 --> 00:33:53.954 For these cancers, so as of right now,
NOTE Confidence: 0.80838865

00:33:53.960 --> 00:33:56.300 it's more.

NOTE Confidence: 0.80838865

00:33:56.300 --> 00:33:58.232 It is a possibility,

NOTE Confidence: 0.80838865

00:33:58.232 --> 00:34:01.130 but we wouldn't change any management

NOTE Confidence: 0.80838865

00:34:01.217 --> 00:34:04.295 for these variant in prostate cancer.

NOTE Confidence: 0.80838865

00:34:04.300 --> 00:34:07.611 So the focus for the management for

NOTE Confidence: 0.80838865

00:34:07.611 --> 00:34:10.699 the breast cancer woman with the

NOTE Confidence: 0.80838865

00:34:10.699 --> 00:34:13.329 power between station or recommended

NOTE Confidence: 0.80838865

00:34:13.329 --> 00:34:16.889 to have an annual breast MRI and

NOTE Confidence: 0.80838865

00:34:16.889 --> 00:34:19.299 mammogram starting at the age

NOTE Confidence: 0.80838865

00:34:19.300 --> 00:34:22.065 of 13 and in more recently they

NOTE Confidence: 0.80838865

00:34:22.065 --> 00:34:24.741 also added the recommendation or

NOTE Confidence: 0.80838865

00:34:24.741 --> 00:34:27.545 the consideration of bilateral.

NOTE Confidence: 0.80838865

00:34:27.550 --> 00:34:28.235 Mastectomy,

NOTE Confidence: 0.80838865

00:34:28.235 --> 00:34:31.660 which before it was there,

NOTE Confidence: 0.80838865

00:34:31.660 --> 00:34:36.600 was not enough data to.

NOTE Confidence: 0.80838865

00:34:36.600 --> 00:34:39.028 Should consider the bilateral

NOTE Confidence: 0.80838865

00:34:39.028 --> 00:34:42.670 mastectomy service help you to mutation?

NOTE Confidence: 0.80838865

00:34:42.670 --> 00:34:45.724 There is also the possibility to

NOTE Confidence: 0.80838865

00:34:45.724 --> 00:34:47.760 consider pancreatic cancer screening,

NOTE Confidence: 0.80838865

00:34:47.760 --> 00:34:51.057 but we will talk more about the

NOTE Confidence: 0.80838865

00:34:51.057 --> 00:34:54.030 pancreatic cancer in why the family

NOTE Confidence: 0.80838865

00:34:54.030 --> 00:34:57.453 history does play a role in determining

NOTE Confidence: 0.80838865

00:34:57.547 --> 00:35:00.985 whether someone they want to consider.

NOTE Confidence: 0.80838865

00:35:00.990 --> 00:35:04.394 Then pancreatic cancer screening.

NOTE Confidence: 0.80838865

00:35:04.394 --> 00:35:07.798 For the ATM gene.

NOTE Confidence: 0.80838865

00:35:07.800 --> 00:35:10.901 The the ATM is considered in moderate

NOTE Confidence: 0.80838865

00:35:10.901 --> 00:35:13.246 risk gene because the lifetime

NOTE Confidence: 0.80838865

00:35:13.246 --> 00:35:16.048 risk of breast cancer is estimated

NOTE Confidence: 0.80838865

00:35:16.048 --> 00:35:19.942 between 25 to 30% and there is a

NOTE Confidence: 0.80838865

00:35:19.942 --> 00:35:23.530 specific mutation that is known to.

NOTE Confidence: 0.80838865

00:35:23.530 --> 00:35:26.994 Have a higher risk for graphs camp June.

NOTE Confidence: 0.80838865

00:35:27.000 --> 00:35:29.976 Come in with the ATM gene,

NOTE Confidence: 0.80838865

00:35:29.980 --> 00:35:32.950 just like the probably 2 gene.

NOTE Confidence: 0.80838865

00:35:32.950 --> 00:35:35.926 There is also a known increase

NOTE Confidence: 0.80838865

00:35:35.926 --> 00:35:38.442 risk for pancreatic cancer, again,

NOTE Confidence: 0.80838865

00:35:38.442 --> 00:35:41.634 especially if there is a family

NOTE Confidence: 0.80838865

00:35:41.634 --> 00:35:43.950 history of pancreatic cancer.

NOTE Confidence: 0.80838865

00:35:43.950 --> 00:35:46.500 Same as the pelvic Eugene.

NOTE Confidence: 0.80838865

00:35:46.500 --> 00:35:49.638 There may be other cancers associated

NOTE Confidence: 0.80838865

00:35:49.638 --> 00:35:52.620 with imitation in the ATM gene,

NOTE Confidence: 0.80838865

00:35:52.620 --> 00:35:55.170 again, ovarian and prostate cancer.

NOTE Confidence: 0.80838865

00:35:55.170 --> 00:35:55.704 Again,

NOTE Confidence: 0.80838865

00:35:55.704 --> 00:35:58.908 we need more research to actually

NOTE Confidence: 0.80838865

00:35:58.908 --> 00:36:02.002 determine whether there is an increased

NOTE Confidence: 0.80838865

00:36:02.002 --> 00:36:04.347 risk for these these cancers,

NOTE Confidence: 0.80838865

00:36:04.350 --> 00:36:08.230 so very similar to management.

NOTE Confidence: 0.80838865

00:36:08.230 --> 00:36:10.390 Women who have limitation in the

NOTE Confidence: 0.80838865

00:36:10.390 --> 00:36:12.897 power to Jane for the ATM with
NOTE Confidence: 0.80838865

00:36:12.897 --> 00:36:14.883 difference is the age at which
NOTE Confidence: 0.80838865

00:36:14.883 --> 00:36:17.415 we recommend to start the annual
NOTE Confidence: 0.80838865

00:36:17.415 --> 00:36:19.540 breast MRI and the mammogram.
NOTE Confidence: 0.80838865

00:36:19.540 --> 00:36:24.236 So the average of 40 instead of 30.
NOTE Confidence: 0.80838865

00:36:24.240 --> 00:36:26.552 As we can see,
NOTE Confidence: 0.80838865

00:36:26.552 --> 00:36:28.286 there is increase,
NOTE Confidence: 0.80838865

00:36:28.290 --> 00:36:31.530 certainly insufficient evidence to support
NOTE Confidence: 0.80838865

00:36:31.530 --> 00:36:34.122 or preventive bilateral mastectomy
NOTE Confidence: 0.80838865

00:36:34.122 --> 00:36:37.250 for individuals with ATM mutation.
NOTE Confidence: 0.80838865

00:36:37.250 --> 00:36:37.822 Again,
NOTE Confidence: 0.80838865

00:36:37.822 --> 00:36:40.682 because of the increase risk
NOTE Confidence: 0.80838865

00:36:40.682 --> 00:36:42.398 for pancreatic cancer,
NOTE Confidence: 0.80838865

00:36:42.400 --> 00:36:45.260 depending on the family history,
NOTE Confidence: 0.80838865

00:36:45.260 --> 00:36:48.115 some patients want to consider
NOTE Confidence: 0.80838865

00:36:48.115 --> 00:36:49.828 pancreatic cancer screening.

NOTE Confidence: 0.8711251

00:36:52.020 --> 00:36:53.876 So for pancreatic cancer,

NOTE Confidence: 0.8711251

00:36:53.876 --> 00:36:56.196 screening the recommendations or not

NOTE Confidence: 0.8711251

00:36:56.196 --> 00:36:59.157 as well established as other tensors,

NOTE Confidence: 0.8711251

00:36:59.160 --> 00:37:02.016 if we can suppress cancer screening

NOTE Confidence: 0.8711251

00:37:02.016 --> 00:37:03.920 or colon cancer screening.

NOTE Confidence: 0.8711251

00:37:03.920 --> 00:37:07.412 But what we know so far is that early

NOTE Confidence: 0.8711251

00:37:07.412 --> 00:37:10.317 diagnosis is still the most important

NOTE Confidence: 0.8711251

00:37:10.317 --> 00:37:12.752 way to improve overall survival

NOTE Confidence: 0.8711251

00:37:12.835 --> 00:37:15.515 by detecting pancreatic cancer at

NOTE Confidence: 0.8711251

00:37:15.515 --> 00:37:18.195 an earlier and treatable stage.

NOTE Confidence: 0.8711251

00:37:18.200 --> 00:37:21.062 Current research focus on individuals at

NOTE Confidence: 0.8711251

00:37:21.062 --> 00:37:24.460 increased risk based on the family history.

NOTE Confidence: 0.8711251

00:37:24.460 --> 00:37:26.830 Open traffic answer based on education.

NOTE Confidence: 0.8711251

00:37:26.830 --> 00:37:28.438 Maybe both of them,

NOTE Confidence: 0.8711251

00:37:28.438 --> 00:37:30.448 depending on which which gene

NOTE Confidence: 0.8711251

00:37:30.448 --> 00:37:32.760 the Mutation is found in an.
NOTE Confidence: 0.8711251

00:37:32.760 --> 00:37:35.590 I will give some examples.
NOTE Confidence: 0.8711251

00:37:35.590 --> 00:37:38.305 In the surveillance for these
NOTE Confidence: 0.8711251

00:37:38.305 --> 00:37:40.477 individuals is recommended to
NOTE Confidence: 0.8711251

00:37:40.477 --> 00:37:43.261 start not before the age of 50
NOTE Confidence: 0.8711251

00:37:43.261 --> 00:37:45.883 or 10 years before the youngest
NOTE Confidence: 0.8711251

00:37:45.883 --> 00:37:48.628 relative with things that cancer.
NOTE Confidence: 0.8711251

00:37:48.630 --> 00:37:52.746 We briefly discussed all the CAT5 study
NOTE Confidence: 0.8711251

00:37:52.746 --> 00:37:57.093 that is available at Yale with Doctor
NOTE Confidence: 0.8711251

00:37:57.093 --> 00:38:00.807 Ferrell in the pancreatic cancer clinic,
NOTE Confidence: 0.8711251

00:38:00.810 --> 00:38:02.292 but really,
NOTE Confidence: 0.8711251

00:38:02.292 --> 00:38:05.256 surveillance is recommended for
NOTE Confidence: 0.8711251

00:38:05.256 --> 00:38:08.878 selected individuals were at high
NOTE Confidence: 0.8711251

00:38:08.878 --> 00:38:12.700 risk and who may benefit from early
NOTE Confidence: 0.8711251

00:38:12.700 --> 00:38:15.749 detection of pancreatic cancer.
NOTE Confidence: 0.8711251

00:38:15.750 --> 00:38:18.746 So because it's still at the clinical

NOTE Confidence: 0.8711251

00:38:18.746 --> 00:38:21.005 research level that benefits the

NOTE Confidence: 0.8711251

00:38:21.005 --> 00:38:23.705 risk and the cost of surveillance

NOTE Confidence: 0.8711251

00:38:23.705 --> 00:38:25.936 of pancreatic cancer definitely

NOTE Confidence: 0.8711251

00:38:25.936 --> 00:38:28.436 mean more additional evaluation.

NOTE Confidence: 0.8658471

00:38:31.110 --> 00:38:33.170 The the cancer. Thank you.

NOTE Confidence: 0.8658471

00:38:33.170 --> 00:38:35.230 I think you're screening or

NOTE Confidence: 0.8658471

00:38:35.230 --> 00:38:37.290 top five this study there.

NOTE Confidence: 0.8658471

00:38:37.290 --> 00:38:39.395 They have very specific criteria

NOTE Confidence: 0.8658471

00:38:39.395 --> 00:38:41.955 and when I know whether patients

NOTE Confidence: 0.8658471

00:38:41.955 --> 00:38:44.211 when someone has a mutation in

NOTE Confidence: 0.8658471

00:38:44.211 --> 00:38:46.769 one of the genes listed here,

NOTE Confidence: 0.8658471

00:38:46.770 --> 00:38:49.242 we may briefly mention the option

NOTE Confidence: 0.8658471

00:38:49.242 --> 00:38:50.890 of pancreatic cancer screening,

NOTE Confidence: 0.8658471

00:38:50.890 --> 00:38:54.066 but I want to point out that the

NOTE Confidence: 0.8658471

00:38:54.066 --> 00:38:55.787 specific criteria to actually

NOTE Confidence: 0.8658471

00:38:55.787 --> 00:38:57.887 be eligible for the caps.
NOTE Confidence: 0.8658471

00:38:57.890 --> 00:39:01.643 5 so the only the only jeans listed here.
NOTE Confidence: 0.8658471

00:39:01.650 --> 00:39:05.694 That there is a recommendation of
NOTE Confidence: 0.8658471

00:39:05.694 --> 00:39:09.052 starting this screening regardless of
NOTE Confidence: 0.8658471

00:39:09.052 --> 00:39:12.937 family history is the STK 11 mutation
NOTE Confidence: 0.8658471

00:39:12.937 --> 00:39:15.940 associated with Proteger syndrome.
NOTE Confidence: 0.8658471

00:39:15.940 --> 00:39:18.070 Which we have been covered,
NOTE Confidence: 0.8658471

00:39:18.070 --> 00:39:20.667 yet all the other jeans V RCA2BR
NOTE Confidence: 0.8658471

00:39:20.667 --> 00:39:23.505 C A1 Palb two ATM that we've
NOTE Confidence: 0.8658471

00:39:23.505 --> 00:39:26.517 talked about in some of the Lynch
NOTE Confidence: 0.8658471

00:39:26.517 --> 00:39:29.863 syndrome genes that we we will talk
NOTE Confidence: 0.8658471

00:39:29.863 --> 00:39:32.775 about having a mutation may not be
NOTE Confidence: 0.8658471

00:39:32.775 --> 00:39:35.490 enough to be eligible for capsize,
NOTE Confidence: 0.8658471

00:39:35.490 --> 00:39:38.129 and it's always good to meet with
NOTE Confidence: 0.8658471

00:39:38.129 --> 00:39:40.270 someone to discuss the benefits
NOTE Confidence: 0.8658471

00:39:40.270 --> 00:39:43.060 and limitation of the same static

NOTE Confidence: 0.8658471

00:39:43.060 --> 00:39:43.990 cancer screening.

NOTE Confidence: 0.8658471

00:39:43.990 --> 00:39:46.340 But to actually participate in.

NOTE Confidence: 0.8658471

00:39:46.340 --> 00:39:50.300 Capsize more.

NOTE Confidence: 0.8658471

00:39:50.300 --> 00:39:52.948 It's it's not everyone who may be eligible,

NOTE Confidence: 0.8658471

00:39:52.950 --> 00:39:55.092 so sometimes even if there is no

NOTE Confidence: 0.8658471

00:39:55.092 --> 00:39:56.807 mutation that has been identified

NOTE Confidence: 0.8658471

00:39:56.807 --> 00:39:57.908 in the family,

NOTE Confidence: 0.8658471

00:39:57.910 --> 00:40:00.318 but there is a strong family history.

NOTE Confidence: 0.8658471

00:40:00.320 --> 00:40:04.247 Thank you, had cancer and multiple relatives.

NOTE Confidence: 0.8658471

00:40:04.250 --> 00:40:07.100 Individuals may also be eligible or

NOTE Confidence: 0.8658471

00:40:07.100 --> 00:40:09.845 if there is hereditary pancreatitis

NOTE Confidence: 0.8658471

00:40:09.845 --> 00:40:12.119 or chronic pancreatitis.

NOTE Confidence: 0.8658471

00:40:12.120 --> 00:40:14.368 Is it also criteria?

NOTE Confidence: 0.79332805

00:40:16.540 --> 00:40:21.175 For the moving on to the check 2 gene,

NOTE Confidence: 0.79332805

00:40:21.180 --> 00:40:23.760 just like the ATM gene,

NOTE Confidence: 0.79332805

00:40:23.760 --> 00:40:26.180 check two is considered and
NOTE Confidence: 0.79332805

00:40:26.180 --> 00:40:29.230 moderate risk gene with a lifetime
NOTE Confidence: 0.79332805

00:40:29.230 --> 00:40:31.920 risk for breast cancer estimated
NOTE Confidence: 0.79332805

00:40:31.920 --> 00:40:35.475 between 20 to 44% an there is.
NOTE Confidence: 0.79332805

00:40:35.475 --> 00:40:39.919 Most of the studies are so far has been
NOTE Confidence: 0.79332805

00:40:39.919 --> 00:40:44.680 done with the Pacific 1100 LC Mutation in we,
NOTE Confidence: 0.79332805

00:40:44.680 --> 00:40:47.864 so all the data, most of the data
NOTE Confidence: 0.79332805

00:40:47.864 --> 00:40:51.728 that we have is really based on this
NOTE Confidence: 0.79332805

00:40:51.728 --> 00:40:55.068 common mutation in the check 2 gene,
NOTE Confidence: 0.79332805

00:40:55.070 --> 00:40:57.656 but there are other common mutation
NOTE Confidence: 0.79332805

00:40:57.656 --> 00:40:59.934 that check to genes including
NOTE Confidence: 0.79332805

00:40:59.934 --> 00:41:02.754 the I-150 Seventy in the S4428X.
NOTE Confidence: 0.7768166

00:41:04.770 --> 00:41:07.494 Are thought to only causes slightly
NOTE Confidence: 0.7768166

00:41:07.494 --> 00:41:09.310 higher restaura breast cancers
NOTE Confidence: 0.7768166

00:41:09.381 --> 00:41:11.786 compared to the general population,
NOTE Confidence: 0.7768166

00:41:11.790 --> 00:41:15.437 and so with someone who has a

NOTE Confidence: 0.7768166

00:41:15.437 --> 00:41:18.629 mutation in the check 2 gene.

NOTE Confidence: 0.7768166

00:41:18.630 --> 00:41:21.507 Again, there may be an increase risk

NOTE Confidence: 0.7768166

00:41:21.507 --> 00:41:24.268 for other cancers than breast cancer,

NOTE Confidence: 0.7768166

00:41:24.270 --> 00:41:26.440 including colon cancer and Melanoma,

NOTE Confidence: 0.7768166

00:41:26.440 --> 00:41:29.050 prostate cancer, and Mel breast cancer,

NOTE Confidence: 0.7768166

00:41:29.050 --> 00:41:31.220 but more research is needed.

NOTE Confidence: 0.7768166

00:41:31.220 --> 00:41:33.818 The management, as you can see,

NOTE Confidence: 0.7768166

00:41:33.820 --> 00:41:36.424 is very similar to the other

NOTE Confidence: 0.7768166

00:41:36.424 --> 00:41:38.160 moderate risk team ATM.

NOTE Confidence: 0.83971447

00:41:40.660 --> 00:41:42.724 Is include starting a breast MRI

NOTE Confidence: 0.83971447

00:41:42.724 --> 00:41:45.550 and mammogram at the age of 40 and

NOTE Confidence: 0.83971447

00:41:45.550 --> 00:41:47.270 again there is insufficient evidence

NOTE Confidence: 0.83971447

00:41:47.270 --> 00:41:49.270 to support preventative bilateral

NOTE Confidence: 0.83971447

00:41:49.270 --> 00:41:51.905 mastectomy because of that slightly

NOTE Confidence: 0.83971447

00:41:51.905 --> 00:41:54.268 increased risk for colon cancer,

NOTE Confidence: 0.83971447

00:41:54.268 --> 00:41:56.884 it is recommended to start an
NOTE Confidence: 0.83971447

00:41:56.884 --> 00:41:59.189 earlier age for the colonoscopies so
NOTE Confidence: 0.83971447

00:41:59.189 --> 00:42:02.734 I'd be age of 40 versus 50 in the
NOTE Confidence: 0.83971447

00:42:02.734 --> 00:42:04.834 general population or around the
NOTE Confidence: 0.83971447

00:42:04.834 --> 00:42:07.647 age of 50 and not to exceed five
NOTE Confidence: 0.83971447

00:42:07.647 --> 00:42:09.770 years between each colonoscopies.
NOTE Confidence: 0.81237614

00:42:12.730 --> 00:42:16.503 I do wanna talk about those moderate
NOTE Confidence: 0.81237614

00:42:16.503 --> 00:42:20.437 risk genes for ATM check to an
NOTE Confidence: 0.81237614

00:42:20.437 --> 00:42:23.197 many other moderate or unknown.
NOTE Confidence: 0.81237614

00:42:23.200 --> 00:42:27.620 Unknown with gene they.
NOTE Confidence: 0.81237614

00:42:27.620 --> 00:42:29.846 Breast cancers and families who have
NOTE Confidence: 0.81237614

00:42:29.846 --> 00:42:32.493 a mutation in the moderate risk gene
NOTE Confidence: 0.81237614

00:42:32.493 --> 00:42:35.041 may be influenced by the number of
NOTE Confidence: 0.81237614

00:42:35.114 --> 00:42:37.519 family members with breast cancers,
NOTE Confidence: 0.81237614

00:42:37.520 --> 00:42:40.328 and it may risk of breast cancer may
NOTE Confidence: 0.81237614

00:42:40.328 --> 00:42:43.493 be higher in families that there is a

NOTE Confidence: 0.81237614

00:42:43.493 --> 00:42:46.637 strong family history of breast cancer, so.

NOTE Confidence: 0.81237614

00:42:46.637 --> 00:42:49.893 It may be due to other modifier genes

NOTE Confidence: 0.81237614

00:42:49.893 --> 00:42:53.538 or shared environmental risk factors,

NOTE Confidence: 0.81237614

00:42:53.540 --> 00:42:56.534 but we need additional studies to

NOTE Confidence: 0.81237614

00:42:56.534 --> 00:42:59.014 fully understand how some families

NOTE Confidence: 0.81237614

00:42:59.014 --> 00:43:01.793 with an ATM or check to Mutation

NOTE Confidence: 0.81237614

00:43:01.793 --> 00:43:05.173 has a very strong history of very

NOTE Confidence: 0.81237614

00:43:05.173 --> 00:43:07.668 strong family history of breast

NOTE Confidence: 0.81237614

00:43:07.670 --> 00:43:09.900 cancers and other families where

NOTE Confidence: 0.81237614

00:43:09.900 --> 00:43:12.850 we don't see any breast cancers.

NOTE Confidence: 0.81237614

00:43:12.850 --> 00:43:15.742 So when we meet with patients

NOTE Confidence: 0.81237614

00:43:15.742 --> 00:43:18.280 who are tested for this.

NOTE Confidence: 0.81237614

00:43:18.280 --> 00:43:19.032 Chameleon Mutation,

NOTE Confidence: 0.81237614

00:43:19.032 --> 00:43:22.040 one of the one of these jeans and

NOTE Confidence: 0.81237614

00:43:22.119 --> 00:43:24.507 they they their results are negative

NOTE Confidence: 0.81237614

00:43:24.507 --> 00:43:26.937 or their their true negative for
NOTE Confidence: 0.81237614

00:43:26.937 --> 00:43:29.235 the familial mutation we we like
NOTE Confidence: 0.81237614

00:43:29.235 --> 00:43:32.100 to still screen them based on the
NOTE Confidence: 0.81237614

00:43:32.100 --> 00:43:34.190 family history because that mutation
NOTE Confidence: 0.81237614

00:43:34.265 --> 00:43:36.855 may not explain the full history of
NOTE Confidence: 0.81237614

00:43:36.855 --> 00:43:38.999 the breath sensors in the family.
NOTE Confidence: 0.81237614

00:43:39.000 --> 00:43:42.128 So if there is a strong family history,
NOTE Confidence: 0.81237614

00:43:42.130 --> 00:43:43.960 even if someone tests negative
NOTE Confidence: 0.81237614

00:43:43.960 --> 00:43:46.819 for an ATM or check two mutation,
NOTE Confidence: 0.81237614

00:43:46.820 --> 00:43:49.148 we may still want to squeeze
NOTE Confidence: 0.81237614

00:43:49.148 --> 00:43:51.210 them more closely because there.
NOTE Confidence: 0.81237614

00:43:51.210 --> 00:43:53.960 Breast cancer risk may still
NOTE Confidence: 0.81237614

00:43:53.960 --> 00:43:56.160 be significantly higher than.
NOTE Confidence: 0.81237614

00:43:56.160 --> 00:43:57.678 The general population.
NOTE Confidence: 0.83885866

00:44:00.980 --> 00:44:04.396 Here's a list of other breast cancer genes,
NOTE Confidence: 0.83885866

00:44:04.400 --> 00:44:07.808 but I'm not gonna talk in great detail.

NOTE Confidence: 0.83885866

00:44:07.810 --> 00:44:10.722 I listed some of the cancer risk

NOTE Confidence: 0.83885866

00:44:10.722 --> 00:44:12.510 associated with these jeans.

NOTE Confidence: 0.83885866

00:44:12.510 --> 00:44:15.144 There are newer jeans newly discovered

NOTE Confidence: 0.83885866

00:44:15.144 --> 00:44:18.058 at the bottom here of this slide,

NOTE Confidence: 0.83885866

00:44:18.060 --> 00:44:20.526 and if you need any additional

NOTE Confidence: 0.83885866

00:44:20.526 --> 00:44:23.179 information for any of these jeans,

NOTE Confidence: 0.83885866

00:44:23.180 --> 00:44:25.730 please feel free to contact our

NOTE Confidence: 0.83885866

00:44:25.730 --> 00:44:28.949 clinic and we will be happy to

NOTE Confidence: 0.83885866

00:44:28.949 --> 00:44:31.339 review more information with you.

NOTE Confidence: 0.83885866

00:44:31.340 --> 00:44:33.680 But given the time limit

NOTE Confidence: 0.83885866

00:44:33.680 --> 00:44:35.084 for this presentation,

NOTE Confidence: 0.83885866

00:44:35.090 --> 00:44:38.030 I just wanted to pick one of

NOTE Confidence: 0.83885866

00:44:38.030 --> 00:44:40.250 the more common mutation.

NOTE Confidence: 0.7804732

00:44:42.380 --> 00:44:45.068 For the bearing hereditary ovarian cancers,

NOTE Confidence: 0.7804732

00:44:45.070 --> 00:44:47.770 again, there are many genes that,

NOTE Confidence: 0.7804732

00:44:47.770 --> 00:44:51.442 if there isn't, which is why we've used to
NOTE Confidence: 0.7804732

00:44:51.442 --> 00:44:54.949 greatly increase the risk for ovarian cancer.
NOTE Confidence: 0.7804732

00:44:54.950 --> 00:44:58.982 BRC 1B R C2, covered by reviewed by Amanda,
NOTE Confidence: 0.7804732

00:44:58.990 --> 00:45:03.285 Explain. A part of those are
NOTE Confidence: 0.7804732

00:45:03.285 --> 00:45:04.656 hereditary ovarian cancer,
NOTE Confidence: 0.7804732

00:45:04.660 --> 00:45:08.284 but I wanted to like we discussed these
NOTE Confidence: 0.7804732

00:45:08.284 --> 00:45:12.504 newer jeans or other genes, part of a
NOTE Confidence: 0.7804732

00:45:12.504 --> 00:45:15.016 different hereditary cancer syndrome.
NOTE Confidence: 0.7804732

00:45:15.020 --> 00:45:18.953 If we think of the grip one that reads
NOTE Confidence: 0.7804732

00:45:18.953 --> 00:45:23.355 that you want to see in this ad 51 G jeans,
NOTE Confidence: 0.7804732

00:45:23.360 --> 00:45:25.445 they've only been clinically available
NOTE Confidence: 0.7804732

00:45:25.445 --> 00:45:27.696 pretty recently, so we need again.
NOTE Confidence: 0.7804732

00:45:27.696 --> 00:45:31.279 I feel like it's a regular occurrence theme.
NOTE Confidence: 0.7804732

00:45:31.280 --> 00:45:32.796 We need more research,
NOTE Confidence: 0.7804732

00:45:32.796 --> 00:45:35.582 more data to better understand the risks
NOTE Confidence: 0.7804732

00:45:35.582 --> 00:45:38.216 for these jeans and ultimately adjusting

NOTE Confidence: 0.7804732

00:45:38.216 --> 00:45:40.868 management based on the available data.

NOTE Confidence: 0.7804732

00:45:40.870 --> 00:45:43.789 But free porn and read 51 C.

NOTE Confidence: 0.7804732

00:45:43.790 --> 00:45:45.161 The risk of.

NOTE Confidence: 0.7804732

00:45:45.161 --> 00:45:48.725 Ovarian cancer is close to an up to

NOTE Confidence: 0.7804732

00:45:48.725 --> 00:45:52.787 9% and then read 61 D up to about 12%,

NOTE Confidence: 0.7804732

00:45:52.790 --> 00:45:55.940 and this is compared to the general

NOTE Confidence: 0.7804732

00:45:55.940 --> 00:45:57.752 population risk for ovarian

NOTE Confidence: 0.7804732

00:45:57.752 --> 00:45:59.996 cancer of about 1 to 2%,

NOTE Confidence: 0.7804732

00:46:00.000 --> 00:46:00.864 so increased,

NOTE Confidence: 0.7804732

00:46:00.864 --> 00:46:05.090 maybe not as high as the BRC 1B RC two,

NOTE Confidence: 0.7804732

00:46:05.090 --> 00:46:08.050 but still significant increase.

NOTE Confidence: 0.7804732

00:46:08.050 --> 00:46:11.010 There are some data.

NOTE Confidence: 0.7804732

00:46:11.010 --> 00:46:13.518 Just increase risk for breast cancer,

NOTE Confidence: 0.7804732

00:46:13.520 --> 00:46:15.705 especially triple negative breast cancer

NOTE Confidence: 0.7804732

00:46:15.705 --> 00:46:18.969 when there is a notation in these jeans,

NOTE Confidence: 0.7804732

00:46:18.970 --> 00:46:21.578 but we don't have enough data to actually
NOTE Confidence: 0.7804732

00:46:21.578 --> 00:46:23.422 change the management recommendation
NOTE Confidence: 0.7804732

00:46:23.422 --> 00:46:25.678 for breast cancer screening.
NOTE Confidence: 0.7804732

00:46:25.680 --> 00:46:28.711 For these three ovarian cancer genes and
NOTE Confidence: 0.7804732

00:46:28.711 --> 00:46:32.378 based on the data that we have right now,
NOTE Confidence: 0.7804732

00:46:32.380 --> 00:46:34.455 there doesn't seem like there
NOTE Confidence: 0.7804732

00:46:34.455 --> 00:46:36.990 is an increased risk from them.
NOTE Confidence: 0.7804732

00:46:36.990 --> 00:46:38.434 But for the management,
NOTE Confidence: 0.7804732

00:46:38.434 --> 00:46:41.347 it is recommended to have a bilateral
NOTE Confidence: 0.7804732

00:46:41.347 --> 00:46:43.385 salpingo, oophorectomy or VSO.
NOTE Confidence: 0.7804732

00:46:43.385 --> 00:46:46.570 Between the age of 45 to 50,
NOTE Confidence: 0.7804732

00:46:46.570 --> 00:46:47.402 of course,
NOTE Confidence: 0.7804732

00:46:47.402 --> 00:46:49.898 all these ages are dependent on
NOTE Confidence: 0.7804732

00:46:49.898 --> 00:46:51.440 the family history.
NOTE Confidence: 0.7804732

00:46:51.440 --> 00:46:54.653 It could be a earlier age if the first
NOTE Confidence: 0.7804732

00:46:54.653 --> 00:46:57.710 they wanna get relative with varying

NOTE Confidence: 0.7804732

00:46:57.710 --> 00:47:01.160 tensor had cancer before before this age.

NOTE Confidence: 0.7804732

00:47:01.160 --> 00:47:04.502 So we it is recommended to

NOTE Confidence: 0.7804732

00:47:04.502 --> 00:47:07.948 have the VSO around 45 to 50.

NOTE Confidence: 0.7804732

00:47:07.950 --> 00:47:09.870 In the for the,

NOTE Confidence: 0.7804732

00:47:09.870 --> 00:47:12.750 some individuals may want to do

NOTE Confidence: 0.7804732

00:47:12.859 --> 00:47:15.464 screening for the ovarian cancer

NOTE Confidence: 0.7804732

00:47:15.464 --> 00:47:18.790 and this is with a trans.

NOTE Confidence: 0.7804732

00:47:18.790 --> 00:47:21.375 Vaginal ultrasound CA 125 blood

NOTE Confidence: 0.7804732

00:47:21.375 --> 00:47:24.460 markers and physical exam every year.

NOTE Confidence: 0.7804732

00:47:24.460 --> 00:47:26.584 Although the effectiveness of

NOTE Confidence: 0.7804732

00:47:26.584 --> 00:47:29.239 the screening strategies in early

NOTE Confidence: 0.7804732

00:47:29.239 --> 00:47:30.649 detection is limited.

NOTE Confidence: 0.7804732

00:47:30.650 --> 00:47:33.230 Limited, as Amanda discussed earlier,

NOTE Confidence: 0.7804732

00:47:33.230 --> 00:47:35.855 some individuals may want to

NOTE Confidence: 0.7804732

00:47:35.855 --> 00:47:37.955 consider the use of.

NOTE Confidence: 0.7804732

00:47:37.960 --> 00:47:40.752 Oral contraceptives, oral contraceptives.
NOTE Confidence: 0.7804732

00:47:40.752 --> 00:47:44.242 To decrease the maximum risk
NOTE Confidence: 0.7804732

00:47:44.242 --> 00:47:47.308 for ovarian cancer overtime.
NOTE Confidence: 0.768291

00:47:49.610 --> 00:47:55.294 For Lynch syndrome, so many visuals made.
NOTE Confidence: 0.768291

00:47:55.300 --> 00:47:57.538 Create Lynch syndrome with an increase
NOTE Confidence: 0.768291

00:47:57.538 --> 00:48:00.539 risk for Colon and uterine cancer mostly,
NOTE Confidence: 0.768291

00:48:00.540 --> 00:48:03.812 but there is also an increased risk for
NOTE Confidence: 0.768291

00:48:03.812 --> 00:48:06.988 ovarian cancer between Jade between 4 to 20%,
NOTE Confidence: 0.768291

00:48:06.990 --> 00:48:09.979 depending on which gene the Mutation is
NOTE Confidence: 0.768291

00:48:09.979 --> 00:48:13.777 found in in the list of genes associated
NOTE Confidence: 0.768291

00:48:13.777 --> 00:48:16.710 with Lynch syndrome is listed here.
NOTE Confidence: 0.768291

00:48:16.710 --> 00:48:20.598 But there are also an increased risk for
NOTE Confidence: 0.768291

00:48:20.598 --> 00:48:24.450 other cancers listed here for lunch then gym.
NOTE Confidence: 0.768291

00:48:24.450 --> 00:48:27.354 I want to focus on the
NOTE Confidence: 0.768291

00:48:27.354 --> 00:48:28.806 ovarian cancer management,
NOTE Confidence: 0.768291

00:48:28.810 --> 00:48:32.626 which is the same as the jeans that we

NOTE Confidence: 0.768291
00:48:32.626 --> 00:48:36.887 just talked about with the RC1V RCA to
NOTE Confidence: 0.768291
00:48:36.887 --> 00:48:40.485 the management would be would be very
NOTE Confidence: 0.768291
00:48:40.485 --> 00:48:43.856 similar except that we may also if
NOTE Confidence: 0.768291
00:48:43.856 --> 00:48:47.538 we remove the ovaries and folk into.
NOTE Confidence: 0.768291
00:48:47.540 --> 00:48:51.172 You may also want to remove the uterus
NOTE Confidence: 0.768291
00:48:51.172 --> 00:48:54.539 given the high uterine cancer risk,
NOTE Confidence: 0.768291
00:48:54.540 --> 00:48:57.396 but in addition to this recommendation
NOTE Confidence: 0.768291
00:48:57.396 --> 00:49:00.422 there many other screening for colon
NOTE Confidence: 0.768291
00:49:00.422 --> 00:49:03.037 cancer with very frequent colonoscopies.
NOTE Confidence: 0.768291
00:49:03.040 --> 00:49:06.040 An Upper Endoscopies for the upper
NOTE Confidence: 0.768291
00:49:06.040 --> 00:49:07.540 GI cancer risk,
NOTE Confidence: 0.768291
00:49:07.540 --> 00:49:10.040 and just an annual physical
NOTE Confidence: 0.768291
00:49:10.040 --> 00:49:12.040 exam and dermatology exam.
NOTE Confidence: 0.768291
00:49:12.040 --> 00:49:15.920 Given other cancer risk.
NOTE Confidence: 0.768291
00:49:15.920 --> 00:49:17.228 So in conclusions,
NOTE Confidence: 0.768291

00:49:17.228 --> 00:49:19.844 some of these jeans have been
NOTE Confidence: 0.768291

00:49:19.844 --> 00:49:22.539 studied for much longer than others.
NOTE Confidence: 0.768291

00:49:22.540 --> 00:49:25.180 In as we gather more data,
NOTE Confidence: 0.768291

00:49:25.180 --> 00:49:26.455 their cancer risk,
NOTE Confidence: 0.768291

00:49:26.455 --> 00:49:29.430 we may get a better understanding on
NOTE Confidence: 0.768291

00:49:29.513 --> 00:49:32.297 the counter risk and we may be able
NOTE Confidence: 0.768291

00:49:32.297 --> 00:49:35.204 to change the recommendation for the
NOTE Confidence: 0.768291

00:49:35.204 --> 00:49:37.336 recommendation may change overtime
NOTE Confidence: 0.768291

00:49:37.336 --> 00:49:40.078 and for this reason it's really
NOTE Confidence: 0.768291

00:49:40.078 --> 00:49:43.082 important to stay in touch with their
NOTE Confidence: 0.768291

00:49:43.082 --> 00:49:46.050 program in the future to ensure that
NOTE Confidence: 0.768291

00:49:46.050 --> 00:49:48.649 your personal cancer screening plan.
NOTE Confidence: 0.768291

00:49:48.650 --> 00:49:51.178 Is best for you.
NOTE Confidence: 0.768291

00:49:51.178 --> 00:49:54.640 Then thank you and I will
NOTE Confidence: 0.768291

00:49:54.640 --> 00:49:56.904 present Elizabeth Dub Dub,
NOTE Confidence: 0.768291

00:49:56.910 --> 00:50:00.396 where no one of the generic.

NOTE Confidence: 0.768291

00:50:00.400 --> 00:50:02.320 Counselors in the smile center

NOTE Confidence: 0.768291

00:50:02.320 --> 00:50:03.856 genetics and Prevention Program.

NOTE Confidence: 0.768291

00:50:03.860 --> 00:50:06.530 Who will be.

NOTE Confidence: 0.768291

00:50:06.530 --> 00:50:08.186 Talking about the next,

NOTE Confidence: 0.768291

00:50:08.186 --> 00:50:10.669 the next communication there we go.

NOTE Confidence: 0.768291

00:50:10.670 --> 00:50:11.085 OK,

NOTE Confidence: 0.768291

00:50:11.085 --> 00:50:12.330 so everyone my

NOTE Confidence: 0.8640193

00:50:12.330 --> 00:50:14.774 name is Liz for short, Elizabeth.

NOTE Confidence: 0.8640193

00:50:14.774 --> 00:50:17.392 For long I'm going to be talking

NOTE Confidence: 0.8640193

00:50:17.392 --> 00:50:19.516 about approaching the conversation or

NOTE Confidence: 0.8640193

00:50:19.516 --> 00:50:21.696 just different strategies for sharing

NOTE Confidence: 0.8640193

00:50:21.696 --> 00:50:23.920 your positive genetic test results.

NOTE Confidence: 0.8640193

00:50:23.920 --> 00:50:26.260 If you did test positive for

NOTE Confidence: 0.8640193

00:50:26.260 --> 00:50:28.470 mutation with your family members,

NOTE Confidence: 0.8640193

00:50:28.470 --> 00:50:32.838 so give me a second here.

NOTE Confidence: 0.8640193

00:50:32.840 --> 00:50:35.088 OK, so why is it important in
NOTE Confidence: 0.8640193

00:50:35.088 --> 00:50:36.912 the 1st place to share genetic
NOTE Confidence: 0.8640193

00:50:36.912 --> 00:50:38.399 test results with relatives?
NOTE Confidence: 0.8640193

00:50:38.400 --> 00:50:41.016 Well, we know in most cases that parents,
NOTE Confidence: 0.8640193

00:50:41.020 --> 00:50:42.805 brothers, sisters and children of
NOTE Confidence: 0.8640193

00:50:42.805 --> 00:50:45.204 the person who was found to have
NOTE Confidence: 0.8640193

00:50:45.204 --> 00:50:47.224 the mutation have a 50% or 1/2
NOTE Confidence: 0.8640193

00:50:47.224 --> 00:50:49.186 chance to have the same mutation.
NOTE Confidence: 0.8640193

00:50:49.190 --> 00:50:51.479 And we also know that other family
NOTE Confidence: 0.8640193

00:50:51.479 --> 00:50:53.675 members on both sides of the family
NOTE Confidence: 0.8640193

00:50:53.675 --> 00:50:56.060 are at risk to have that Mutation.
NOTE Confidence: 0.8640193

00:50:56.060 --> 00:50:58.172 And of course that's true unless
NOTE Confidence: 0.8640193

00:50:58.172 --> 00:50:59.931 we've already identified where the
NOTE Confidence: 0.8640193

00:50:59.931 --> 00:51:01.940 Mutation has come from in the family.
NOTE Confidence: 0.8640193

00:51:01.940 --> 00:51:05.310 So if we already knew that it came from the.
NOTE Confidence: 0.8640193

00:51:05.310 --> 00:51:06.900 Maternal side of the family.

NOTE Confidence: 0.8640193

00:51:06.900 --> 00:51:09.147 Of course we don't think of the

NOTE Confidence: 0.8640193

00:51:09.147 --> 00:51:11.648 paternal side of the family is at risk.

NOTE Confidence: 0.8640193

00:51:11.650 --> 00:51:13.526 Another thing to keep in mind is

NOTE Confidence: 0.8640193

00:51:13.526 --> 00:51:15.421 that it's important to have the

NOTE Confidence: 0.8640193

00:51:15.421 --> 00:51:16.801 conversation with relatives about

NOTE Confidence: 0.8640193

00:51:16.801 --> 00:51:18.310 positive genetic test results,

NOTE Confidence: 0.8640193

00:51:18.310 --> 00:51:20.308 even if other family members have

NOTE Confidence: 0.8640193

00:51:20.308 --> 00:51:22.329 known about the mutation in the

NOTE Confidence: 0.8640193

00:51:22.329 --> 00:51:24.219 family for awhile and it's really

NOTE Confidence: 0.8640193

00:51:24.219 --> 00:51:25.776 important also to assume that

NOTE Confidence: 0.8640193

00:51:25.776 --> 00:51:27.498 relatives do not want to know.

NOTE Confidence: 0.8640193

00:51:27.500 --> 00:51:29.055 Remember that you're never actually

NOTE Confidence: 0.8640193

00:51:29.055 --> 00:51:30.979 forcing a relative to do anything

NOTE Confidence: 0.8640193

00:51:30.979 --> 00:51:32.887 by sharing your results with them.

NOTE Confidence: 0.8640193

00:51:32.890 --> 00:51:34.278 It's really just something

NOTE Confidence: 0.8640193

00:51:34.278 --> 00:51:35.319 that empowers them.
NOTE Confidence: 0.8640193

00:51:35.320 --> 00:51:38.043 To make their own decisions and ultimately
NOTE Confidence: 0.8640193

00:51:38.043 --> 00:51:40.593 the decision to actually move forward
NOTE Confidence: 0.8640193

00:51:40.593 --> 00:51:42.773 with genetic counseling and testing
NOTE Confidence: 0.8640193

00:51:42.773 --> 00:51:45.868 for the mutation is up to that relative.
NOTE Confidence: 0.8640193

00:51:45.870 --> 00:51:48.086 So who is responsible for sharing
NOTE Confidence: 0.8640193

00:51:48.086 --> 00:51:49.558 the results with relatives?
NOTE Confidence: 0.8640193

00:51:49.560 --> 00:51:51.924 This question comes up very frequently
NOTE Confidence: 0.8640193

00:51:51.924 --> 00:51:53.895 and it's generally accepted that
NOTE Confidence: 0.8640193

00:51:53.895 --> 00:51:56.233 the person who is being tested has
NOTE Confidence: 0.8640193

00:51:56.233 --> 00:51:58.059 a responsibility to share those
NOTE Confidence: 0.8640193

00:51:58.059 --> 00:51:59.884 results with other family members.
NOTE Confidence: 0.8640193

00:51:59.890 --> 00:52:02.008 The health care provider who is
NOTE Confidence: 0.8640193

00:52:02.008 --> 00:52:04.253 receiving the test results like the
NOTE Confidence: 0.8640193

00:52:04.253 --> 00:52:06.168 genetic counselor or the physician,
NOTE Confidence: 0.8640193

00:52:06.170 --> 00:52:08.746 is not going to be the one to

NOTE Confidence: 0.8640193

00:52:08.746 --> 00:52:10.958 reach out to family members,

NOTE Confidence: 0.8640193

00:52:10.960 --> 00:52:13.516 but they might play a key role in helping

NOTE Confidence: 0.8640193

00:52:13.516 --> 00:52:16.128 to facilitate that results disclosure,

NOTE Confidence: 0.8640193

00:52:16.130 --> 00:52:16.892 for example.

NOTE Confidence: 0.8640193

00:52:16.892 --> 00:52:18.416 So some clinics like.

NOTE Confidence: 0.8640193

00:52:18.420 --> 00:52:20.340 Cars have consent forms that patients

NOTE Confidence: 0.8640193

00:52:20.340 --> 00:52:23.159 can fill out and that will allow family

NOTE Confidence: 0.8640193

00:52:23.159 --> 00:52:25.367 members to receive genetic test results

NOTE Confidence: 0.8640193

00:52:25.429 --> 00:52:27.326 if they reach out to the clinic.

NOTE Confidence: 0.8640193

00:52:27.330 --> 00:52:27.650 So,

NOTE Confidence: 0.8640193

00:52:27.650 --> 00:52:28.290 for example,

NOTE Confidence: 0.8640193

00:52:28.290 --> 00:52:30.210 of the patient actually wrote down

NOTE Confidence: 0.8640193

00:52:30.210 --> 00:52:32.610 those family members on that consent form,

NOTE Confidence: 0.8640193

00:52:32.610 --> 00:52:34.260 giving them that opportunity to

NOTE Confidence: 0.8640193

00:52:34.260 --> 00:52:35.910 reach out to the clinic.

NOTE Confidence: 0.8640193

00:52:35.910 --> 00:52:37.142 Genetic counselors in particular
NOTE Confidence: 0.8640193

00:52:37.142 --> 00:52:38.990 can help patients come up with
NOTE Confidence: 0.8640193

00:52:39.045 --> 00:52:40.437 strategies for sharing genetic
NOTE Confidence: 0.8640193

00:52:40.437 --> 00:52:42.177 test results with family members.
NOTE Confidence: 0.8640193

00:52:42.180 --> 00:52:44.820 You know, just like we're talking about now,
NOTE Confidence: 0.8640193

00:52:44.820 --> 00:52:47.130 but for their specific situation as well,
NOTE Confidence: 0.8640193

00:52:47.130 --> 00:52:48.985 especially if they're finding this
NOTE Confidence: 0.8640193

00:52:48.985 --> 00:52:51.939 really to be a more difficult task.
NOTE Confidence: 0.8640193

00:52:51.940 --> 00:52:53.902 Another thing that genetic counselors can
NOTE Confidence: 0.8640193

00:52:53.902 --> 00:52:56.934 help to do that we do quite often, I think,
NOTE Confidence: 0.8640193

00:52:56.934 --> 00:52:59.118 is helped to create a family letter.
NOTE Confidence: 0.8640193

00:52:59.120 --> 00:53:00.938 So that would explain the mutation
NOTE Confidence: 0.8640193

00:53:00.938 --> 00:53:02.859 that was found in the family,
NOTE Confidence: 0.8640193

00:53:02.860 --> 00:53:04.810 how family members can access genetic
NOTE Confidence: 0.8640193

00:53:04.810 --> 00:53:07.287 services in order to see if they also
NOTE Confidence: 0.8640193

00:53:07.287 --> 00:53:08.967 carry that Mutation and just have

NOTE Confidence: 0.8718222

00:53:09.025 --> 00:53:10.939 some more general information that you

NOTE Confidence: 0.8718222

00:53:10.939 --> 00:53:13.476 know having it all written down for family

NOTE Confidence: 0.8718222

00:53:13.476 --> 00:53:15.360 members and creating that family member

NOTE Confidence: 0.8718222

00:53:15.414 --> 00:53:17.208 family letter can be really helpful.

NOTE Confidence: 0.8718222

00:53:17.210 --> 00:53:19.268 An in general, genetic counselors can be

NOTE Confidence: 0.8718222

00:53:19.268 --> 00:53:21.629 helpful in many different ways to patients.

NOTE Confidence: 0.8718222

00:53:21.630 --> 00:53:25.942 Are struggling in this area or looking for

NOTE Confidence: 0.8718222

00:53:25.942 --> 00:53:29.480 strategies for their specific situation.

NOTE Confidence: 0.8718222

00:53:29.480 --> 00:53:31.984 So how will my family members

NOTE Confidence: 0.8718222

00:53:31.984 --> 00:53:34.069 feel about my test results?

NOTE Confidence: 0.8718222

00:53:34.070 --> 00:53:35.834 Another really common question.

NOTE Confidence: 0.8718222

00:53:35.834 --> 00:53:38.958 It's normal for family members to display

NOTE Confidence: 0.8718222

00:53:38.958 --> 00:53:41.765 a range of very challenging reactions when

NOTE Confidence: 0.8718222

00:53:41.765 --> 00:53:45.001 they are confronted with the news of a

NOTE Confidence: 0.8718222

00:53:45.001 --> 00:53:47.696 positive genetic test result in the family.

NOTE Confidence: 0.8718222

00:53:47.696 --> 00:53:50.300 So it's important just to understand that

NOTE Confidence: 0.8718222

00:53:50.370 --> 00:53:52.830 negative reactions are really common,

NOTE Confidence: 0.8718222

00:53:52.830 --> 00:53:54.920 so negative reactions like anger,

NOTE Confidence: 0.8718222

00:53:54.920 --> 00:53:55.754 frustration, sadness,

NOTE Confidence: 0.8718222

00:53:55.754 --> 00:53:57.839 even disinterest are also typically

NOTE Confidence: 0.8718222

00:53:57.840 --> 00:53:59.996 not directed at you personally.

NOTE Confidence: 0.8718222

00:53:59.996 --> 00:54:02.206 That's another really important thing.

NOTE Confidence: 0.8718222

00:54:02.210 --> 00:54:04.394 To understand is that this is something

NOTE Confidence: 0.8718222

00:54:04.394 --> 00:54:06.378 that that the person is probably

NOTE Confidence: 0.8718222

00:54:06.378 --> 00:54:08.681 just thinking about this all at once,

NOTE Confidence: 0.8718222

00:54:08.690 --> 00:54:10.325 and even though these negative

NOTE Confidence: 0.8718222

00:54:10.325 --> 00:54:12.250 feelings might come out to you,

NOTE Confidence: 0.8718222

00:54:12.250 --> 00:54:14.200 it's not usually directed at you.

NOTE Confidence: 0.8718222

00:54:14.200 --> 00:54:15.127 So, for example,

NOTE Confidence: 0.8718222

00:54:15.127 --> 00:54:17.290 someone might feel angered by just the

NOTE Confidence: 0.8718222

00:54:17.346 --> 00:54:18.762 disruptiveness that this information

NOTE Confidence: 0.8718222

00:54:18.762 --> 00:54:21.536 can have on their life and on their

NOTE Confidence: 0.8718222

00:54:21.536 --> 00:54:23.615 thoughts and maybe what they had planned

NOTE Confidence: 0.8718222

00:54:23.615 --> 00:54:25.971 for that week and how you know they're

NOTE Confidence: 0.8718222

00:54:25.971 --> 00:54:28.447 going to be thinking about this now.

NOTE Confidence: 0.8718222

00:54:28.450 --> 00:54:30.364 Others might feel anxious or alarmed

NOTE Confidence: 0.8718222

00:54:30.364 --> 00:54:32.703 by just knowing about the cancer risks

NOTE Confidence: 0.8718222

00:54:32.703 --> 00:54:34.719 that are associated with the mutation.

NOTE Confidence: 0.8718222

00:54:34.720 --> 00:54:37.016 And thinking about how their medical care

NOTE Confidence: 0.8718222

00:54:37.016 --> 00:54:39.728 could change if the Mutation were identified.

NOTE Confidence: 0.8718222

00:54:39.730 --> 00:54:41.692 Some people might just be worried

NOTE Confidence: 0.8718222

00:54:41.692 --> 00:54:44.029 about the risk to their children.

NOTE Confidence: 0.8718222

00:54:44.030 --> 00:54:46.136 Some family members might just be

NOTE Confidence: 0.8718222

00:54:46.136 --> 00:54:48.264 overwhelmed by the information or just

NOTE Confidence: 0.8718222

00:54:48.264 --> 00:54:50.268 kind of confused about these different

NOTE Confidence: 0.8718222

00:54:50.268 --> 00:54:52.258 topics related to genetic inheritance.

NOTE Confidence: 0.8718222

00:54:52.260 --> 00:54:54.913 Some of these things people really have
NOTE Confidence: 0.8718222

00:54:54.913 --> 00:54:57.136 not thought about until they've been
NOTE Confidence: 0.8718222

00:54:57.136 --> 00:54:59.919 kind of forced to think about it when
NOTE Confidence: 0.8718222

00:54:59.919 --> 00:55:02.639 they hear this news from a family member,
NOTE Confidence: 0.8718222

00:55:02.640 --> 00:55:04.430 a patient might feel guilty,
NOTE Confidence: 0.8718222

00:55:04.430 --> 00:55:06.290 for example, if their apparent.
NOTE Confidence: 0.8718222

00:55:06.290 --> 00:55:08.467 And and they might know that they
NOTE Confidence: 0.8718222

00:55:08.467 --> 00:55:10.358 could have passed on a mutation
NOTE Confidence: 0.8718222

00:55:10.358 --> 00:55:11.843 to their son or daughter,
NOTE Confidence: 0.8718222

00:55:11.850 --> 00:55:14.402 and so maybe sharing that information with a
NOTE Confidence: 0.8718222

00:55:14.402 --> 00:55:16.799 family member can make them think about that.
NOTE Confidence: 0.8718222

00:55:16.800 --> 00:55:18.802 For example, a sibling could feel guilty
NOTE Confidence: 0.8718222

00:55:18.802 --> 00:55:21.120 if they test negative for the Mutation.
NOTE Confidence: 0.8718222

00:55:21.120 --> 00:55:23.290 That's that's a different type of thing.
NOTE Confidence: 0.8718222

00:55:23.290 --> 00:55:24.835 But a sibling could feel
NOTE Confidence: 0.8718222

00:55:24.835 --> 00:55:26.380 guilty if they test negative.

NOTE Confidence: 0.8718222

00:55:26.380 --> 00:55:28.630 That's something that we call

NOTE Confidence: 0.8718222

00:55:28.630 --> 00:55:30.430 survivor guilt in genetics.

NOTE Confidence: 0.8718222

00:55:30.430 --> 00:55:31.090 Your hand,

NOTE Confidence: 0.8718222

00:55:31.090 --> 00:55:32.740 some relatives might even use

NOTE Confidence: 0.8718222

00:55:32.740 --> 00:55:34.133 this information more positively

NOTE Confidence: 0.8718222

00:55:34.133 --> 00:55:35.838 and might display some positive

NOTE Confidence: 0.8718222

00:55:35.838 --> 00:55:37.740 types of responses or feelings,

NOTE Confidence: 0.8718222

00:55:37.740 --> 00:55:40.348 so some might feel empowered to use this

NOTE Confidence: 0.8718222

00:55:40.348 --> 00:55:42.610 information to address their cancer risk.

NOTE Confidence: 0.8718222

00:55:42.610 --> 00:55:44.872 Some might feel thankful for having

NOTE Confidence: 0.8718222

00:55:44.872 --> 00:55:47.044 learned this information and hopeful that

NOTE Confidence: 0.8718222

00:55:47.044 --> 00:55:49.444 they may be able to do something about

NOTE Confidence: 0.8718222

00:55:49.511 --> 00:55:51.982 the cancer risk and still some relatives

NOTE Confidence: 0.8718222

00:55:51.982 --> 00:55:54.094 might be dismissive of the information,

NOTE Confidence: 0.8718222

00:55:54.094 --> 00:55:57.229 or they might not seem to care up first,

NOTE Confidence: 0.8718222

00:55:57.230 --> 00:56:00.353 or just might not show any emotion at all,
NOTE Confidence: 0.8718222

00:56:00.360 --> 00:56:01.852 which can be frustrating.
NOTE Confidence: 0.8718222

00:56:01.852 --> 00:56:02.598 For you,
NOTE Confidence: 0.8718222

00:56:02.600 --> 00:56:04.335 as the person who's told
NOTE Confidence: 0.8718222

00:56:04.335 --> 00:56:05.723 this information to them,
NOTE Confidence: 0.8718222

00:56:05.730 --> 00:56:07.118 they could be passive.
NOTE Confidence: 0.8718222

00:56:07.118 --> 00:56:08.853 They can be in different.
NOTE Confidence: 0.8891502

00:56:08.860 --> 00:56:12.339 It's also important to know that family.
NOTE Confidence: 0.8891502

00:56:12.340 --> 00:56:13.835 Members reactions to this information
NOTE Confidence: 0.8891502

00:56:13.835 --> 00:56:15.979 are really likely to change overtime too,
NOTE Confidence: 0.8891502

00:56:15.980 --> 00:56:17.798 so someone who had a very
NOTE Confidence: 0.8891502

00:56:17.798 --> 00:56:19.010 negative reaction at first.
NOTE Confidence: 0.8891502

00:56:19.010 --> 00:56:21.124 Maybe there were very overwhelmed and angry.
NOTE Confidence: 0.8891502

00:56:21.130 --> 00:56:22.786 They might sit with that information
NOTE Confidence: 0.8891502

00:56:22.786 --> 00:56:24.582 and end up feeling grateful for
NOTE Confidence: 0.8891502

00:56:24.582 --> 00:56:25.866 learning this information or

NOTE Confidence: 0.8891502

00:56:25.866 --> 00:56:27.502 encouraged to use this information

NOTE Confidence: 0.8891502

00:56:27.502 --> 00:56:29.609 to take charge of their health care.

NOTE Confidence: 0.8891502

00:56:29.610 --> 00:56:31.602 And I think that's a lot of times

NOTE Confidence: 0.8891502

00:56:31.602 --> 00:56:33.563 are really common response or change

NOTE Confidence: 0.8891502

00:56:33.563 --> 00:56:35.669 of feelings during this whole thing.

NOTE Confidence: 0.8891502

00:56:35.670 --> 00:56:37.680 Other family members may be in

NOTE Confidence: 0.8891502

00:56:37.680 --> 00:56:39.601 different in the beginning or say

NOTE Confidence: 0.8891502

00:56:39.601 --> 00:56:41.428 they don't want to talk about it,

NOTE Confidence: 0.8891502

00:56:41.430 --> 00:56:42.459 but they might.

NOTE Confidence: 0.8891502

00:56:42.459 --> 00:56:44.174 Eventually come around you with

NOTE Confidence: 0.8891502

00:56:44.174 --> 00:56:46.210 questions and feel more open to

NOTE Confidence: 0.8891502

00:56:46.210 --> 00:56:47.815 that conversation and overall it's

NOTE Confidence: 0.8891502

00:56:47.815 --> 00:56:49.886 just important to be aware that

NOTE Confidence: 0.8891502

00:56:49.886 --> 00:56:51.238 these reactions are normal.

NOTE Confidence: 0.8891502

00:56:51.240 --> 00:56:53.110 An expected really of anybody

NOTE Confidence: 0.8891502

00:56:53.110 --> 00:56:55.536 that you're going to be sharing
NOTE Confidence: 0.8891502

00:56:55.536 --> 00:56:57.946 these results within your family.
NOTE Confidence: 0.8891502

00:56:57.950 --> 00:56:59.636 So when you're preparing to
NOTE Confidence: 0.8891502

00:56:59.636 --> 00:57:00.650 discuss these results,
NOTE Confidence: 0.8891502

00:57:00.650 --> 00:57:02.678 it's important to realize that you,
NOTE Confidence: 0.8891502

00:57:02.680 --> 00:57:04.370 being fearful or anxious about
NOTE Confidence: 0.8891502

00:57:04.370 --> 00:57:05.384 having this conversation,
NOTE Confidence: 0.8891502

00:57:05.390 --> 00:57:07.080 is completely normal as well.
NOTE Confidence: 0.8891502

00:57:07.080 --> 00:57:09.108 So just like we're talking about
NOTE Confidence: 0.8891502

00:57:09.108 --> 00:57:10.460 on the previous slide,
NOTE Confidence: 0.8891502

00:57:10.460 --> 00:57:12.614 it's important to prepare for the
NOTE Confidence: 0.8891502

00:57:12.614 --> 00:57:14.050 possible negative reactions from
NOTE Confidence: 0.8891502

00:57:14.105 --> 00:57:15.645 the relative that you're going
NOTE Confidence: 0.8891502

00:57:15.645 --> 00:57:16.877 to be speaking with.
NOTE Confidence: 0.8891502

00:57:16.880 --> 00:57:19.239 It's important to be aware that OK,
NOTE Confidence: 0.8891502

00:57:19.240 --> 00:57:20.930 I'm feeling nervous right now

NOTE Confidence: 0.8891502

00:57:20.930 --> 00:57:22.282 about talking this relative,

NOTE Confidence: 0.8891502

00:57:22.290 --> 00:57:24.649 and that's also a very normal thing.

NOTE Confidence: 0.8891502

00:57:24.650 --> 00:57:26.792 It's also important just to be aware

NOTE Confidence: 0.8891502

00:57:26.792 --> 00:57:29.150 of where those negative feelings that.

NOTE Confidence: 0.8891502

00:57:29.150 --> 00:57:30.620 Relatives have, or you know,

NOTE Confidence: 0.8891502

00:57:30.620 --> 00:57:31.138 those responses,

NOTE Confidence: 0.8891502

00:57:31.138 --> 00:57:32.692 that they might have that are

NOTE Confidence: 0.8891502

00:57:32.692 --> 00:57:33.840 sort of challenging.

NOTE Confidence: 0.8891502

00:57:33.840 --> 00:57:35.574 It's important to be aware of

NOTE Confidence: 0.8891502

00:57:35.574 --> 00:57:37.060 where those things come from,

NOTE Confidence: 0.8891502

00:57:37.060 --> 00:57:38.758 just like the examples that we

NOTE Confidence: 0.8891502

00:57:38.758 --> 00:57:40.579 talked about on the last slide,

NOTE Confidence: 0.8891502

00:57:40.580 --> 00:57:42.556 and it can be helpful to try to

NOTE Confidence: 0.8891502

00:57:42.556 --> 00:57:44.904 imagine how you might feel if you were

NOTE Confidence: 0.8891502

00:57:44.904 --> 00:57:47.019 confronted with this type of information.

NOTE Confidence: 0.8891502

00:57:47.020 --> 00:57:49.388 So if you were that receiving family member

NOTE Confidence: 0.8891502

00:57:49.388 --> 00:57:51.419 learning about the mutation in the family,

NOTE Confidence: 0.8891502

00:57:51.420 --> 00:57:53.070 what do you think your response

NOTE Confidence: 0.8891502

00:57:53.070 --> 00:57:55.519 would be as a member of the family,

NOTE Confidence: 0.8891502

00:57:55.520 --> 00:57:56.474 and more importantly,

NOTE Confidence: 0.8891502

00:57:56.474 --> 00:57:58.382 what would you want from your

NOTE Confidence: 0.8891502

00:57:58.382 --> 00:57:59.180 relative in that?

NOTE Confidence: 0.8891502

00:57:59.180 --> 00:57:59.490 Situation,

NOTE Confidence: 0.8891502

00:57:59.490 --> 00:58:01.660 so doing some of the things that

NOTE Confidence: 0.8891502

00:58:01.660 --> 00:58:03.721 you would want your relative to do

NOTE Confidence: 0.8891502

00:58:03.721 --> 00:58:05.459 to support you in that situation

NOTE Confidence: 0.8891502

00:58:05.459 --> 00:58:07.253 will likely be helpful for you

NOTE Confidence: 0.8891502

00:58:07.253 --> 00:58:09.710 to try and to do sort of in the

NOTE Confidence: 0.8891502

00:58:09.710 --> 00:58:11.440 same way for your relative.

NOTE Confidence: 0.8891502

00:58:11.440 --> 00:58:12.632 So maybe you're someone,

NOTE Confidence: 0.8891502

00:58:12.632 --> 00:58:13.228 for example,

NOTE Confidence: 0.8891502

00:58:13.230 --> 00:58:14.832 that really feels like they need

NOTE Confidence: 0.8891502

00:58:14.832 --> 00:58:17.203 to take some time and sit and think

NOTE Confidence: 0.8891502

00:58:17.203 --> 00:58:18.753 and read through something before

NOTE Confidence: 0.8891502

00:58:18.753 --> 00:58:20.408 having a conversation about it,

NOTE Confidence: 0.8891502

00:58:20.410 --> 00:58:22.198 maybe giving your relative some space,

NOTE Confidence: 0.8891502

00:58:22.200 --> 00:58:24.132 allowing them to take some time to

NOTE Confidence: 0.8891502

00:58:24.132 --> 00:58:25.930 do that before talking with them

NOTE Confidence: 0.8891502

00:58:25.930 --> 00:58:28.058 more about it could be helpful after

NOTE Confidence: 0.8891502

00:58:28.119 --> 00:58:30.429 you initially give them that information.

NOTE Confidence: 0.8891502

00:58:30.430 --> 00:58:32.348 And keep in mind that what family

NOTE Confidence: 0.8891502

00:58:32.348 --> 00:58:34.168 members decide to do with this

NOTE Confidence: 0.8891502

00:58:34.168 --> 00:58:35.424 information is their choice.

NOTE Confidence: 0.8891502

00:58:35.430 --> 00:58:36.900 So as we said previously,

NOTE Confidence: 0.8891502

00:58:36.900 --> 00:58:38.365 the decision to share the

NOTE Confidence: 0.8891502

00:58:38.365 --> 00:58:39.244 information with them.

NOTE Confidence: 0.8891502

00:58:39.250 --> 00:58:41.594 Ultimately, no matter how they feel about it.

NOTE Confidence: 0.8891502

00:58:41.600 --> 00:58:43.805 What you're doing is empowering

NOTE Confidence: 0.8891502

00:58:43.805 --> 00:58:46.670 them to make their own choice.

NOTE Confidence: 0.8891502

00:58:46.670 --> 00:58:48.200 So sharing results with a

NOTE Confidence: 0.8891502

00:58:48.200 --> 00:58:49.118 stranger distant relatives.

NOTE Confidence: 0.87802804

00:58:49.120 --> 00:58:51.262 So if you're a strange for many

NOTE Confidence: 0.87802804

00:58:51.262 --> 00:58:53.296 of your relatives, or if you feel

NOTE Confidence: 0.87802804

00:58:53.296 --> 00:58:54.970 like any of your relationships with

NOTE Confidence: 0.87802804

00:58:55.035 --> 00:58:56.770 some family members or awkward,

NOTE Confidence: 0.87802804

00:58:56.770 --> 00:58:59.218 or just not as close as you really

NOTE Confidence: 0.87802804

00:58:59.220 --> 00:59:01.628 would have liked them to be to have

NOTE Confidence: 0.87802804

00:59:01.628 --> 00:59:03.498 a conversation like this with them,

NOTE Confidence: 0.87802804

00:59:03.500 --> 00:59:05.912 there are many things that you can do to

NOTE Confidence: 0.87802804

00:59:05.912 --> 00:59:08.397 make sure that they have the information.

NOTE Confidence: 0.87802804

00:59:08.400 --> 00:59:10.242 So first you might consider enlisting

NOTE Confidence: 0.87802804

00:59:10.242 --> 00:59:12.721 the help of what we call a linking

NOTE Confidence: 0.87802804

00:59:12.721 --> 00:59:14.206 or a connector family member.

NOTE Confidence: 0.87802804

00:59:14.210 --> 00:59:16.102 So basically someone that you feel

NOTE Confidence: 0.87802804

00:59:16.102 --> 00:59:18.118 closer to than that family member.

NOTE Confidence: 0.87802804

00:59:18.120 --> 00:59:20.240 That you want to talk to who may

NOTE Confidence: 0.87802804

00:59:20.240 --> 00:59:22.427 also be closer to that relative,

NOTE Confidence: 0.87802804

00:59:22.430 --> 00:59:24.894 so this could be a linking family member.

NOTE Confidence: 0.87802804

00:59:24.900 --> 00:59:25.514 More literally,

NOTE Confidence: 0.87802804

00:59:25.514 --> 00:59:27.049 in your actual family structure.

NOTE Confidence: 0.87802804

00:59:27.050 --> 00:59:29.700 So maybe you have no idea how you would go

NOTE Confidence: 0.87802804

00:59:29.765 --> 00:59:32.285 about reaching out to an uncles Cousins.

NOTE Confidence: 0.87802804

00:59:32.290 --> 00:59:33.522 1st Cousins once removed.

NOTE Confidence: 0.87802804

00:59:33.522 --> 00:59:34.138 Second cousins,

NOTE Confidence: 0.87802804

00:59:34.140 --> 00:59:35.568 basically more distant relatives

NOTE Confidence: 0.87802804

00:59:35.568 --> 00:59:37.710 that you're just kind of overwhelmed

NOTE Confidence: 0.87802804

00:59:37.765 --> 00:59:39.368 by trying to reach out to them.

NOTE Confidence: 0.87802804

00:59:39.370 --> 00:59:41.526 You know that they are at risk,
NOTE Confidence: 0.87802804

00:59:41.530 --> 00:59:42.454 but you're just.
NOTE Confidence: 0.87802804

00:59:42.454 --> 00:59:44.302 There's just too many to try
NOTE Confidence: 0.87802804

00:59:44.302 --> 00:59:45.838 to reach out to them,
NOTE Confidence: 0.87802804

00:59:45.840 --> 00:59:47.375 so you might consider reaching
NOTE Confidence: 0.87802804

00:59:47.375 --> 00:59:48.937 out to your aunts, uncles,
NOTE Confidence: 0.87802804

00:59:48.937 --> 00:59:51.226 and Cousins that you feel closer to.
NOTE Confidence: 0.87802804

00:59:51.230 --> 00:59:53.435 Who might be closer to those individuals,
NOTE Confidence: 0.87802804

00:59:53.440 --> 00:59:55.610 or know them a little bit better
NOTE Confidence: 0.87802804

00:59:55.610 --> 00:59:57.528 than you do to help them,
NOTE Confidence: 0.87802804

00:59:57.530 --> 01:00:00.070 or to help you to, you know, try to.
NOTE Confidence: 0.87802804

01:00:00.070 --> 01:00:02.139 Talk to them and reach out to them
NOTE Confidence: 0.87802804

01:00:02.139 --> 01:00:03.843 and that linking family member might
NOTE Confidence: 0.87802804

01:00:03.843 --> 01:00:05.737 also be a family member that's
NOTE Confidence: 0.87802804

01:00:05.737 --> 01:00:07.639 linking in terms of a relationship,
NOTE Confidence: 0.87802804

01:00:07.640 --> 01:00:09.152 so not necessarily the structure of

NOTE Confidence: 0.87802804

01:00:09.152 --> 01:00:10.805 your family like it's someone that's

NOTE Confidence: 0.87802804

01:00:10.805 --> 01:00:12.593 distant because there are far relative,

NOTE Confidence: 0.87802804

01:00:12.600 --> 01:00:14.637 but it could even be someone like

NOTE Confidence: 0.87802804

01:00:14.637 --> 01:00:16.318 your brother that you just don't

NOTE Confidence: 0.87802804

01:00:16.318 --> 01:00:17.563 know how to talk to,

NOTE Confidence: 0.87802804

01:00:17.570 --> 01:00:19.184 so maybe you're not close with

NOTE Confidence: 0.87802804

01:00:19.184 --> 01:00:20.873 your brother or you haven't talked

NOTE Confidence: 0.87802804

01:00:20.873 --> 01:00:22.258 to him in many years,

NOTE Confidence: 0.87802804

01:00:22.260 --> 01:00:24.332 but you know that both of you are

NOTE Confidence: 0.87802804

01:00:24.332 --> 01:00:26.127 actually really close with the cousins.

NOTE Confidence: 0.87802804

01:00:26.130 --> 01:00:27.870 So maybe your cousin could help

NOTE Confidence: 0.87802804

01:00:27.870 --> 01:00:29.439 you relay that information to him.

NOTE Confidence: 0.87802804

01:00:29.440 --> 01:00:30.865 Another thing to consider kind

NOTE Confidence: 0.87802804

01:00:30.865 --> 01:00:32.290 of going off of that.

NOTE Confidence: 0.87802804

01:00:32.290 --> 01:00:34.313 Is that you might consider just using

NOTE Confidence: 0.87802804

01:00:34.313 --> 01:00:35.921 different types of communication and
NOTE Confidence: 0.87802804

01:00:35.921 --> 01:00:38.329 what you would feel most comfortable with.
NOTE Confidence: 0.87802804

01:00:38.330 --> 01:00:40.269 So a family letter like we talked
NOTE Confidence: 0.87802804

01:00:40.269 --> 01:00:41.548 about previously is something
NOTE Confidence: 0.87802804

01:00:41.548 --> 01:00:43.096 that involves less contact.
NOTE Confidence: 0.87802804

01:00:43.100 --> 01:00:45.008 You can even make it anonymous.
NOTE Confidence: 0.87802804

01:00:45.010 --> 01:00:47.264 You can explain that someone in the
NOTE Confidence: 0.87802804

01:00:47.264 --> 01:00:49.239 family has been identified to carry
NOTE Confidence: 0.87802804

01:00:49.239 --> 01:00:51.813 a mutation and this is what it means
NOTE Confidence: 0.87802804

01:00:51.813 --> 01:00:53.917 for the cancer risks in the family.
NOTE Confidence: 0.87802804

01:00:53.917 --> 01:00:56.395 And this is how you can go about
NOTE Confidence: 0.87802804

01:00:56.395 --> 01:00:57.615 seeking genetic counseling and
NOTE Confidence: 0.87802804

01:00:57.615 --> 01:00:59.319 genetic testing for that mutation.
NOTE Confidence: 0.87802804

01:00:59.320 --> 01:01:01.606 An email might also be more
NOTE Confidence: 0.87802804

01:01:01.606 --> 01:01:03.130 comfortable for some people.
NOTE Confidence: 0.87802804

01:01:03.130 --> 01:01:04.888 And if you would feel more

NOTE Confidence: 0.87802804
01:01:04.888 --> 01:01:06.060 comfortable having more contact,
NOTE Confidence: 0.87802804
01:01:06.060 --> 01:01:07.818 so maybe that's not something that
NOTE Confidence: 0.87802804
01:01:07.818 --> 01:01:09.280 you would feel comfortable with,
NOTE Confidence: 0.87802804
01:01:09.280 --> 01:01:11.038 just kind of having less contact.
NOTE Confidence: 0.87802804
01:01:11.040 --> 01:01:14.088 Maybe you would like to have more contact.
NOTE Confidence: 0.87802804
01:01:14.090 --> 01:01:16.570 You could consider a phone call or you
NOTE Confidence: 0.87802804
01:01:16.570 --> 01:01:19.114 could consider planning to meet face to face.
NOTE Confidence: 0.87802804
01:01:19.114 --> 01:01:20.598 Another really important thing to
NOTE Confidence: 0.87802804
01:01:20.598 --> 01:01:22.600 keep in mind is that depending on
NOTE Confidence: 0.898339
01:01:22.662 --> 01:01:23.820 your family dynamics,
NOTE Confidence: 0.898339
01:01:23.820 --> 01:01:26.284 it can be wise to avoid holiday celebrations
NOTE Confidence: 0.898339
01:01:26.284 --> 01:01:28.530 and family reunions if at all possible.
NOTE Confidence: 0.898339
01:01:28.530 --> 01:01:30.420 So some people will say Oh,
NOTE Confidence: 0.898339
01:01:30.420 --> 01:01:31.990 you know it's perfect timing.
NOTE Confidence: 0.898339
01:01:31.990 --> 01:01:34.076 I have this family holiday coming up
NOTE Confidence: 0.898339

01:01:34.076 --> 01:01:36.378 and that's not actually the best time.
NOTE Confidence: 0.898339

01:01:36.380 --> 01:01:38.900 A lot of times to share this information.
NOTE Confidence: 0.898339

01:01:38.900 --> 01:01:40.808 So remember, like we talked about
NOTE Confidence: 0.898339

01:01:40.808 --> 01:01:42.455 that negative reactions from family
NOTE Confidence: 0.898339

01:01:42.455 --> 01:01:44.040 members should be expected so.
NOTE Confidence: 0.898339

01:01:44.040 --> 01:01:46.384 You may not want to share this information
NOTE Confidence: 0.898339

01:01:46.384 --> 01:01:48.256 with someone at an event like those,
NOTE Confidence: 0.898339

01:01:48.260 --> 01:01:50.018 because it could really intensify any
NOTE Confidence: 0.898339

01:01:50.018 --> 01:01:51.908 negative reactions that they would have had.
NOTE Confidence: 0.898339

01:01:51.910 --> 01:01:52.753 So, for example,
NOTE Confidence: 0.898339

01:01:52.753 --> 01:01:54.439 if you're at a family party,
NOTE Confidence: 0.898339

01:01:54.440 --> 01:01:56.627 maybe people have been having a lot of fun
NOTE Confidence: 0.898339

01:01:56.627 --> 01:01:58.650 doing things like drinking or something.
NOTE Confidence: 0.898339

01:01:58.650 --> 01:02:00.554 It might not be the best time to
NOTE Confidence: 0.898339

01:02:00.554 --> 01:02:02.308 bring up this emotional topic,
NOTE Confidence: 0.898339

01:02:02.310 --> 01:02:04.088 and instead of using this event as

NOTE Confidence: 0.898339
01:02:04.088 --> 01:02:06.239 a time to talk about the results,
NOTE Confidence: 0.898339
01:02:06.240 --> 01:02:07.998 it might actually be an appropriate
NOTE Confidence: 0.898339
01:02:07.998 --> 01:02:10.248 time to let them know that you would
NOTE Confidence: 0.898339
01:02:10.248 --> 01:02:12.824 like to call them or meet up some other
NOTE Confidence: 0.898339
01:02:12.824 --> 01:02:14.816 time to talk about something important.
NOTE Confidence: 0.898339
01:02:14.820 --> 01:02:15.732 So use it.
NOTE Confidence: 0.898339
01:02:15.732 --> 01:02:17.556 Kind of a stepping stone rather
NOTE Confidence: 0.898339
01:02:17.556 --> 01:02:18.709 than as you know,
NOTE Confidence: 0.898339
01:02:18.710 --> 01:02:21.094 the chance to talk about that with them.
NOTE Confidence: 0.898339
01:02:21.100 --> 01:02:21.662 And Lastly,
NOTE Confidence: 0.898339
01:02:21.662 --> 01:02:23.629 if you have family members who have
NOTE Confidence: 0.898339
01:02:23.629 --> 01:02:24.988 intellectual or mental differences,
NOTE Confidence: 0.898339
01:02:24.990 --> 01:02:27.238 don't try to go about this alone and
NOTE Confidence: 0.898339
01:02:27.238 --> 01:02:28.869 sharing those results with them.
NOTE Confidence: 0.898339
01:02:28.870 --> 01:02:30.562 It's really helpful to involve other
NOTE Confidence: 0.898339

01:02:30.562 --> 01:02:32.312 family members or their care providers
NOTE Confidence: 0.898339

01:02:32.312 --> 01:02:34.028 when you're planning how you're going
NOTE Confidence: 0.898339

01:02:34.028 --> 01:02:36.346 to share that information with that relative.
NOTE Confidence: 0.898339

01:02:36.350 --> 01:02:39.560 That can be really helpful.
NOTE Confidence: 0.898339

01:02:39.560 --> 01:02:41.526 So sharing results with your children.
NOTE Confidence: 0.898339

01:02:41.526 --> 01:02:43.166 So when thinking about sharing
NOTE Confidence: 0.898339

01:02:43.166 --> 01:02:44.150 results with children,
NOTE Confidence: 0.898339

01:02:44.150 --> 01:02:45.790 an important piece of advice
NOTE Confidence: 0.898339

01:02:45.790 --> 01:02:47.430 for children of any age,
NOTE Confidence: 0.898339

01:02:47.430 --> 01:02:48.086 even adults,
NOTE Confidence: 0.898339

01:02:48.086 --> 01:02:50.054 is just to answer questions truthfully.
NOTE Confidence: 0.898339

01:02:50.060 --> 01:02:51.092 Another important consideration
NOTE Confidence: 0.898339

01:02:51.092 --> 01:02:53.839 is to think about the age of your
NOTE Confidence: 0.898339

01:02:53.839 --> 01:02:55.764 child and how much you would really
NOTE Confidence: 0.898339

01:02:55.764 --> 01:02:57.927 want to dive into genetics concept.
NOTE Confidence: 0.898339

01:02:57.930 --> 01:03:00.219 So for example, for a young child,

NOTE Confidence: 0.898339
01:03:00.220 --> 01:03:01.524 maybe five years old,
NOTE Confidence: 0.898339
01:03:01.524 --> 01:03:03.154 they're just starting to learn
NOTE Confidence: 0.898339
01:03:03.154 --> 01:03:04.159 about their body.
NOTE Confidence: 0.898339
01:03:04.160 --> 01:03:05.624 You might consider incorporating
NOTE Confidence: 0.898339
01:03:05.624 --> 01:03:07.088 this information and explaining
NOTE Confidence: 0.898339
01:03:07.088 --> 01:03:08.747 our bodies are made of books,
NOTE Confidence: 0.898339
01:03:08.750 --> 01:03:10.724 cells that carry our genetic information,
NOTE Confidence: 0.898339
01:03:10.724 --> 01:03:13.020 and this determines what we look like,
NOTE Confidence: 0.898339
01:03:13.020 --> 01:03:14.082 how we grow.
NOTE Confidence: 0.898339
01:03:14.082 --> 01:03:16.206 And as your child gets older,
NOTE Confidence: 0.898339
01:03:16.210 --> 01:03:18.010 you can talk more openly about
NOTE Confidence: 0.898339
01:03:18.010 --> 01:03:19.680 the family history of cancer.
NOTE Confidence: 0.898339
01:03:19.680 --> 01:03:21.605 It might be easier than a later
NOTE Confidence: 0.898339
01:03:21.605 --> 01:03:23.571 time to talk about this gene
NOTE Confidence: 0.898339
01:03:23.571 --> 01:03:25.366 mutation that's in the family.
NOTE Confidence: 0.898339

01:03:25.370 --> 01:03:27.434 That increases the risk for cancer
NOTE Confidence: 0.898339

01:03:27.434 --> 01:03:29.429 and then thinking about an older
NOTE Confidence: 0.898339

01:03:29.429 --> 01:03:31.368 child like a tween or a teenager.
NOTE Confidence: 0.898339

01:03:31.370 --> 01:03:32.950 It's always a good idea,
NOTE Confidence: 0.898339

01:03:32.950 --> 01:03:34.520 just not to underestimate what
NOTE Confidence: 0.898339

01:03:34.520 --> 01:03:36.456 they might be learning about genes
NOTE Confidence: 0.898339

01:03:36.456 --> 01:03:38.006 and cancer from the Internet,
NOTE Confidence: 0.898339

01:03:38.010 --> 01:03:38.656 school friends,
NOTE Confidence: 0.898339

01:03:38.656 --> 01:03:40.271 other family members that you
NOTE Confidence: 0.898339

01:03:40.271 --> 01:03:41.800 might not be aware of.
NOTE Confidence: 0.898339

01:03:41.800 --> 01:03:43.905 Them may have already mentioned
NOTE Confidence: 0.898339

01:03:43.905 --> 01:03:46.010 something about this to them.
NOTE Confidence: 0.898339

01:03:46.010 --> 01:03:48.586 And then being honest with them is important.
NOTE Confidence: 0.898339

01:03:48.590 --> 01:03:50.669 You can reassure them by explaining what
NOTE Confidence: 0.898339

01:03:50.669 --> 01:03:52.790 you're doing to keep yourself healthy.
NOTE Confidence: 0.898339

01:03:52.790 --> 01:03:55.010 Maybe share your experience of going

NOTE Confidence: 0.898339

01:03:55.010 --> 01:03:57.359 through genetic testing in a way that

NOTE Confidence: 0.898339

01:03:57.359 --> 01:03:59.249 feels right for you and your child.

NOTE Confidence: 0.898339

01:03:59.250 --> 01:04:01.504 And depending on your child's age and

NOTE Confidence: 0.8884019

01:04:01.510 --> 01:04:03.086 their questions, you can connect

NOTE Confidence: 0.8884019

01:04:03.086 --> 01:04:04.904 them with a genetic counselor that

NOTE Confidence: 0.8884019

01:04:04.904 --> 01:04:06.680 can always be extremely helpful.

NOTE Confidence: 0.8884019

01:04:06.680 --> 01:04:08.540 So a genetic counselor can assist

NOTE Confidence: 0.8884019

01:04:08.540 --> 01:04:10.164 with determining the timing of

NOTE Confidence: 0.8884019

01:04:10.164 --> 01:04:12.144 testing and can help to navigate

NOTE Confidence: 0.8884019

01:04:12.144 --> 01:04:13.134 feelings surrounding testing.

NOTE Confidence: 0.8884019

01:04:13.140 --> 01:04:16.146 And even if your son or daughter isn't of.

NOTE Confidence: 0.8884019

01:04:16.150 --> 01:04:17.956 Age, or even if they are,

NOTE Confidence: 0.8884019

01:04:17.960 --> 01:04:19.766 but they're not ready to actually

NOTE Confidence: 0.8884019

01:04:19.766 --> 01:04:20.970 go through genetic testing.

NOTE Confidence: 0.8884019

01:04:20.970 --> 01:04:23.973 Meeting with a genetic counselor can help

NOTE Confidence: 0.8884019

01:04:23.973 --> 01:04:26.897 mentally prepare them for this in the future.

NOTE Confidence: 0.8884019

01:04:26.900 --> 01:04:27.500 Another question,

NOTE Confidence: 0.8884019

01:04:27.500 --> 01:04:29.768 we get quite a bit from women with

NOTE Confidence: 0.8884019

01:04:29.768 --> 01:04:31.231 gene mutations that cause hereditary

NOTE Confidence: 0.8884019

01:04:31.231 --> 01:04:33.324 breast and ovarian cancer is whether or

NOTE Confidence: 0.8884019

01:04:33.324 --> 01:04:35.599 not to share this with male relatives.

NOTE Confidence: 0.8884019

01:04:35.600 --> 01:04:38.264 So Amanda hit on this quite a bit already

NOTE Confidence: 0.8884019

01:04:38.264 --> 01:04:40.997 and the answer to this is of course yes,

NOTE Confidence: 0.8884019

01:04:41.000 --> 01:04:42.500 absolutely many genes you know,

NOTE Confidence: 0.8884019

01:04:42.500 --> 01:04:44.300 like we were just talking about,

NOTE Confidence: 0.8884019

01:04:44.300 --> 01:04:46.400 we kind of went through this already,

NOTE Confidence: 0.8884019

01:04:46.400 --> 01:04:48.368 but it's important to keep in mind that

NOTE Confidence: 0.8884019

01:04:48.368 --> 01:04:50.218 many genes that are associated with

NOTE Confidence: 0.8884019

01:04:50.218 --> 01:04:52.168 hereditary breast and ovarian cancer also

NOTE Confidence: 0.8884019

01:04:52.225 --> 01:04:54.199 cause increase risk for certain cancers.

NOTE Confidence: 0.8884019

01:04:54.200 --> 01:04:56.000 In men like male breast cancer,

NOTE Confidence: 0.8884019

01:04:56.000 --> 01:04:56.632 prostate cancer,

NOTE Confidence: 0.8884019

01:04:56.632 --> 01:04:57.580 pancreatic cancer, and.

NOTE Confidence: 0.8884019

01:04:57.580 --> 01:04:59.488 Others, and those results do often

NOTE Confidence: 0.8884019

01:04:59.488 --> 01:05:01.400 impact a man's Healthcare Management,

NOTE Confidence: 0.8884019

01:05:01.400 --> 01:05:03.829 which we kind of heard more about.

NOTE Confidence: 0.8884019

01:05:03.830 --> 01:05:04.916 So, for example,

NOTE Confidence: 0.8884019

01:05:04.916 --> 01:05:07.450 prostate cancer screening becomes a lot more

NOTE Confidence: 0.8884019

01:05:07.515 --> 01:05:10.067 important for men who have a BRCA Mutation.

NOTE Confidence: 0.8884019

01:05:10.070 --> 01:05:12.822 Another important thing to keep in mind is

NOTE Confidence: 0.8884019

01:05:12.822 --> 01:05:15.277 the relatives of that male relative, right?

NOTE Confidence: 0.8884019

01:05:15.277 --> 01:05:17.359 So he if he has daughters,

NOTE Confidence: 0.8884019

01:05:17.360 --> 01:05:18.054 for example,

NOTE Confidence: 0.8884019

01:05:18.054 --> 01:05:20.136 those are female relatives as well,

NOTE Confidence: 0.8884019

01:05:20.140 --> 01:05:21.870 that would be at risk.

NOTE Confidence: 0.8884019

01:05:21.870 --> 01:05:22.893 So in general,

NOTE Confidence: 0.8884019

01:05:22.893 --> 01:05:25.725 you know sharing these results with all of
NOTE Confidence: 0.8884019

01:05:25.725 --> 01:05:27.999 your family members is helpful equally.
NOTE Confidence: 0.8884019

01:05:28.000 --> 01:05:30.196 So hopefully that helps to clarify
NOTE Confidence: 0.8884019

01:05:30.196 --> 01:05:32.515 why it's important to share those
NOTE Confidence: 0.8884019

01:05:32.515 --> 01:05:34.475 results equally in the family.
NOTE Confidence: 0.8884019

01:05:34.480 --> 01:05:36.352 So thank you all for attending
NOTE Confidence: 0.8884019

01:05:36.352 --> 01:05:38.668 this talk and an for this event.
NOTE Confidence: 0.8884019

01:05:38.670 --> 01:05:40.548 I hope that this specific talk
NOTE Confidence: 0.8884019

01:05:40.548 --> 01:05:42.161 help clarify some questions or
NOTE Confidence: 0.8884019

01:05:42.161 --> 01:05:43.973 concerns that you have had about
NOTE Confidence: 0.8884019

01:05:43.973 --> 01:05:45.749 sharing results with your relatives.
NOTE Confidence: 0.86320555

01:05:54.560 --> 01:05:57.262 OK, looks like it's the question and
NOTE Confidence: 0.86320555

01:05:57.262 --> 01:05:59.929 answer portion of our session tonight.
NOTE Confidence: 0.86320555

01:05:59.930 --> 01:06:02.814 Thank you everybody for those great talks.
NOTE Confidence: 0.86320555

01:06:02.820 --> 01:06:04.885 That was excellent and insurance
NOTE Confidence: 0.86320555

01:06:04.885 --> 01:06:06.537 speaking more than myself.

NOTE Confidence: 0.86320555

01:06:06.540 --> 01:06:10.180 When I say that the time, the past,

NOTE Confidence: 0.86320555

01:06:10.180 --> 01:06:14.240 hour and a half just flew by.

NOTE Confidence: 0.86320555

01:06:14.240 --> 01:06:18.299 Let me see if there are any questions that

NOTE Confidence: 0.86320555

01:06:18.299 --> 01:06:22.259 we can answer from our audience here.

NOTE Confidence: 0.86320555

01:06:22.260 --> 01:06:25.036 So someone had asked about what is involved,

NOTE Confidence: 0.86320555

01:06:25.040 --> 01:06:26.368 and pancreatic cancer screening.

NOTE Confidence: 0.86320555

01:06:26.368 --> 01:06:28.850 And since I'm not a panelist tonight,

NOTE Confidence: 0.86320555

01:06:28.850 --> 01:06:31.146 I'll let you guys that tackle the current

NOTE Confidence: 0.86320555

01:06:31.146 --> 01:06:33.360 status of pancreatic cancer screening.

NOTE Confidence: 0.86320555

01:06:33.360 --> 01:06:35.442 Not as black and white in

NOTE Confidence: 0.86320555

01:06:35.442 --> 01:06:36.830 something as breast cancer,

NOTE Confidence: 0.86320555

01:06:36.830 --> 01:06:41.014 but with any one like to address that.

NOTE Confidence: 0.86320555

01:06:41.020 --> 01:06:44.810 No. I can briefly address it,

NOTE Confidence: 0.86320555

01:06:44.810 --> 01:06:47.554 but I can't remember what is the

NOTE Confidence: 0.86320555

01:06:47.554 --> 01:06:49.981 date exactly for Doctor Ferrell

NOTE Confidence: 0.86320555

01:06:49.981 --> 01:06:52.896 talk on pancreatic cancer screening.
NOTE Confidence: 0.86320555

01:06:52.900 --> 01:06:56.244 Anyone has the schedule in front of them?
NOTE Confidence: 0.86320555

01:06:56.250 --> 01:06:58.764 He will definitely go in much
NOTE Confidence: 0.86320555

01:06:58.764 --> 01:07:00.440 more detail about it,
NOTE Confidence: 0.86320555

01:07:00.440 --> 01:07:02.910 but pancreatic cancer screening would
NOTE Confidence: 0.86320555

01:07:02.910 --> 01:07:06.887 be some type of imaging and then most of
NOTE Confidence: 0.86320555

01:07:06.887 --> 01:07:10.080 the time it would be either just an MRI.
NOTE Confidence: 0.86320555

01:07:10.080 --> 01:07:12.588 It can be endoscopy in there,
NOTE Confidence: 0.86320555

01:07:12.590 --> 01:07:15.104 they may start looking for early
NOTE Confidence: 0.86320555

01:07:15.104 --> 01:07:16.780 pancreatic cancer markers also,
NOTE Confidence: 0.86320555

01:07:16.780 --> 01:07:19.720 but he will talk more about it.
NOTE Confidence: 0.86320555

01:07:19.720 --> 01:07:21.810 Is it a cover? 6?
NOTE Confidence: 0.86320555

01:07:21.810 --> 01:07:23.070 Is that right?
NOTE Confidence: 0.8492775

01:07:26.710 --> 01:07:29.005 Perfect so I would definitely
NOTE Confidence: 0.8492775

01:07:29.005 --> 01:07:32.176 attend the his talk and he will
NOTE Confidence: 0.8492775

01:07:32.176 --> 01:07:34.906 go in much more detail about what

NOTE Confidence: 0.8492775
01:07:34.906 --> 01:07:37.513 the results are of the clinical
NOTE Confidence: 0.8492775
01:07:37.513 --> 01:07:40.072 child so far and what what,
NOTE Confidence: 0.8492775
01:07:40.072 --> 01:07:41.800 what the recommendations are.
NOTE Confidence: 0.8884536
01:07:48.750 --> 01:07:51.200 OK, would someone be able to talk
NOTE Confidence: 0.8884536
01:07:51.200 --> 01:07:53.131 about the timeline and process
NOTE Confidence: 0.8884536
01:07:53.131 --> 01:07:54.747 for genetic counseling and
NOTE Confidence: 0.8884536
01:07:54.747 --> 01:07:57.110 testing so from start to finish?
NOTE Confidence: 0.8884536
01:07:57.110 --> 01:07:59.390 What is that process look like?
NOTE Confidence: 0.8884536
01:07:59.390 --> 01:08:01.670 How long does it normally take,
NOTE Confidence: 0.8884536
01:08:01.670 --> 01:08:03.290 etc. Alright,
NOTE Confidence: 0.877902
01:08:03.290 --> 01:08:05.140 I can take this question
NOTE Confidence: 0.877902
01:08:05.140 --> 01:08:07.300 for the group if that's OK.
NOTE Confidence: 0.877902
01:08:07.300 --> 01:08:09.834 So typically once an appointment is made
NOTE Confidence: 0.877902
01:08:09.834 --> 01:08:12.049 and were visiting with the patient,
NOTE Confidence: 0.877902
01:08:12.050 --> 01:08:13.506 an collecting information about
NOTE Confidence: 0.877902

01:08:13.506 --> 01:08:15.326 their personal and family history.
NOTE Confidence: 0.877902

01:08:15.330 --> 01:08:16.790 Typically we get results
NOTE Confidence: 0.877902

01:08:16.790 --> 01:08:18.250 back from genetic testing.
NOTE Confidence: 0.877902

01:08:18.250 --> 01:08:21.090 If we're doing a full panel of genes
NOTE Confidence: 0.877902

01:08:21.090 --> 01:08:24.088 that can take as much as three weeks,
NOTE Confidence: 0.877902

01:08:24.090 --> 01:08:25.635 sometimes a little bit sooner
NOTE Confidence: 0.877902

01:08:25.635 --> 01:08:27.658 if we're looking for or testing
NOTE Confidence: 0.877902

01:08:27.658 --> 01:08:29.728 just specifically for a known
NOTE Confidence: 0.877902

01:08:29.728 --> 01:08:31.384 mutation within someone's family.
NOTE Confidence: 0.877902

01:08:31.390 --> 01:08:32.938 Those results are usually.
NOTE Confidence: 0.877902

01:08:32.938 --> 01:08:36.080 Back on average in one to two weeks.
NOTE Confidence: 0.877902

01:08:36.080 --> 01:08:38.796 So sort of from start to finish.
NOTE Confidence: 0.877902

01:08:38.800 --> 01:08:41.012 We are talking less than a month
NOTE Confidence: 0.877902

01:08:41.012 --> 01:08:43.405 to meet with a genetic counselor
NOTE Confidence: 0.877902

01:08:43.405 --> 01:08:45.690 after the appointments made to
NOTE Confidence: 0.877902

01:08:45.690 --> 01:08:47.425 coordinate the genetic testing

NOTE Confidence: 0.877902
01:08:47.425 --> 01:08:50.050 which were able to do in person.
NOTE Confidence: 0.877902
01:08:50.050 --> 01:08:52.378 We typically are collecting a blood
NOTE Confidence: 0.877902
01:08:52.378 --> 01:08:54.824 sample when we're doing our Tele
NOTE Confidence: 0.877902
01:08:54.824 --> 01:08:56.480 health or virtual appointments
NOTE Confidence: 0.877902
01:08:56.480 --> 01:08:58.553 were using saliva based testing
NOTE Confidence: 0.877902
01:08:58.553 --> 01:09:00.641 to collect the sample for the
NOTE Confidence: 0.877902
01:09:00.641 --> 01:09:03.205 test which then gets mailed to
NOTE Confidence: 0.877902
01:09:03.205 --> 01:09:06.740 the laboratory to do the test so.
NOTE Confidence: 0.877902
01:09:06.740 --> 01:09:08.616 The remote testing right now is taking
NOTE Confidence: 0.877902
01:09:08.616 --> 01:09:10.244 a little bit longer just because
NOTE Confidence: 0.877902
01:09:10.244 --> 01:09:12.368 it takes time to get the test kit
NOTE Confidence: 0.877902
01:09:12.368 --> 01:09:14.244 mailed to the patient to collect the
NOTE Confidence: 0.877902
01:09:14.244 --> 01:09:16.388 sample and Mail it back to the laboratory.
NOTE Confidence: 0.877902
01:09:16.390 --> 01:09:17.725 So on average that can
NOTE Confidence: 0.877902
01:09:17.725 --> 01:09:18.793 add another week possibly,
NOTE Confidence: 0.877902

01:09:18.800 --> 01:09:19.589 but blood work.
NOTE Confidence: 0.877902

01:09:19.589 --> 01:09:21.430 We can do an coordinate at the
NOTE Confidence: 0.877902

01:09:21.488 --> 01:09:23.090 time of the in person visit,
NOTE Confidence: 0.877902

01:09:23.090 --> 01:09:24.430 so that does help expedite
NOTE Confidence: 0.8671482

01:09:24.430 --> 01:09:25.770 things a little bit more.
NOTE Confidence: 0.88316274

01:09:29.780 --> 01:09:30.299 Is that all?
NOTE Confidence: 0.88286525

01:09:32.430 --> 01:09:34.274 I think so, yeah,
NOTE Confidence: 0.88286525

01:09:34.274 --> 01:09:37.040 that covered it covered it well.
NOTE Confidence: 0.88286525

01:09:37.040 --> 01:09:39.693 So I know insurance is a tricky
NOTE Confidence: 0.88286525

01:09:39.693 --> 01:09:41.710 subject and someone had asked
NOTE Confidence: 0.88286525

01:09:41.710 --> 01:09:43.715 about what insurance should be
NOTE Confidence: 0.88286525

01:09:43.715 --> 01:09:46.190 set up before genetic testing.
NOTE Confidence: 0.88286525

01:09:46.190 --> 01:09:47.360 Besides life insurance,
NOTE Confidence: 0.88286525

01:09:47.360 --> 01:09:50.518 they would one of you be able to
NOTE Confidence: 0.88286525

01:09:50.518 --> 01:09:52.940 talk a little bit more about you
NOTE Confidence: 0.88286525

01:09:52.940 --> 01:09:55.775 know things to consider before doing

NOTE Confidence: 0.88286525

01:09:55.775 --> 01:09:57.839 genetic testing insurance wise.

NOTE Confidence: 0.8994081

01:10:01.930 --> 01:10:04.050 Sure, I can feel that question.

NOTE Confidence: 0.8994081

01:10:04.050 --> 01:10:06.444 So the other types of insurance that we don't

NOTE Confidence: 0.8994081

01:10:06.444 --> 01:10:08.638 have protections against discrimination,

NOTE Confidence: 0.8994081

01:10:08.640 --> 01:10:10.430 besides life insurance or disability

NOTE Confidence: 0.8994081

01:10:10.430 --> 01:10:12.220 insurance and then long term

NOTE Confidence: 0.8994081

01:10:12.277 --> 01:10:13.927 and short term care insurance.

NOTE Confidence: 0.8994081

01:10:13.930 --> 01:10:15.700 So those types of things,

NOTE Confidence: 0.8994081

01:10:15.700 --> 01:10:17.460 if you're interested in obtaining

NOTE Confidence: 0.8994081

01:10:17.460 --> 01:10:18.868 those types of policies,

NOTE Confidence: 0.8994081

01:10:18.870 --> 01:10:21.630 some people do decide that they would prefer

NOTE Confidence: 0.8994081

01:10:21.630 --> 01:10:24.878 to do that prior to having a genetic test.

NOTE Confidence: 0.8994081

01:10:24.880 --> 01:10:27.358 And we also have just more helpful

NOTE Confidence: 0.8994081

01:10:27.358 --> 01:10:29.339 information and links about discrimination

NOTE Confidence: 0.8994081

01:10:29.339 --> 01:10:31.883 and sort of insurance concerns and

NOTE Confidence: 0.8994081

01:10:31.883 --> 01:10:34.696 things like that on our website if you go.
NOTE Confidence: 0.8994081

01:10:34.700 --> 01:10:37.836 To the fact sheets section of our website,
NOTE Confidence: 0.8994081

01:10:37.840 --> 01:10:40.968 we have a fact sheet about insurance concerns,
NOTE Confidence: 0.8994081

01:10:40.970 --> 01:10:44.106 so maybe we can link the website somewhere.
NOTE Confidence: 0.8994081

01:10:44.110 --> 01:10:46.456 In the comments Alex so that
NOTE Confidence: 0.8994081

01:10:46.456 --> 01:10:48.420 people can check that out.
NOTE Confidence: 0.8832416

01:10:51.710 --> 01:10:54.314 Yeah, I'd be happy to facilitate that.
NOTE Confidence: 0.8832416

01:10:54.320 --> 01:10:56.075 'cause I think someone had
NOTE Confidence: 0.8832416

01:10:56.075 --> 01:10:58.300 also asked if this talk would
NOTE Confidence: 0.8832416

01:10:58.300 --> 01:11:00.290 be available on the website,
NOTE Confidence: 0.8832416

01:11:00.290 --> 01:11:02.528 and I know we're recording it,
NOTE Confidence: 0.8832416

01:11:02.530 --> 01:11:04.762 but someone fact checking it should
NOTE Confidence: 0.8832416

01:11:04.762 --> 01:11:07.054 be available on our website as
NOTE Confidence: 0.8832416

01:11:07.054 --> 01:11:09.238 well as the insurance FAQ sheet.
NOTE Confidence: 0.40076256

01:11:15.490 --> 01:11:20.462 On OK, let's see. So a couple
NOTE Confidence: 0.40076256

01:11:20.462 --> 01:11:23.160 of questions. I have one.

NOTE Confidence: 0.84061253

01:11:26.170 --> 01:11:27.140 One second.

NOTE Confidence: 0.86254144

01:11:29.530 --> 01:11:31.768 This is a very specific question,

NOTE Confidence: 0.86254144

01:11:31.770 --> 01:11:33.842 and to the P show participant who

NOTE Confidence: 0.86254144

01:11:33.842 --> 01:11:36.148 asked if I would recommend would

NOTE Confidence: 0.86254144

01:11:36.148 --> 01:11:38.398 be speaking with your genetic

NOTE Confidence: 0.86254144

01:11:38.398 --> 01:11:40.718 counselor about this in more detail,

NOTE Confidence: 0.86254144

01:11:40.720 --> 01:11:42.585 who would know the specifics

NOTE Confidence: 0.86254144

01:11:42.585 --> 01:11:44.077 of your current situation,

NOTE Confidence: 0.86254144

01:11:44.080 --> 01:11:47.098 including your personal and family history.

NOTE Confidence: 0.86254144

01:11:47.100 --> 01:11:51.125 Um? What city? So variants of

NOTE Confidence: 0.86254144

01:11:51.125 --> 01:11:52.849 uncertain significance is there.

NOTE Confidence: 0.86254144

01:11:52.850 --> 01:11:55.282 Would someone be able to talk a little

NOTE Confidence: 0.86254144

01:11:55.282 --> 01:11:58.018 bit more about the process of how we

NOTE Confidence: 0.86254144

01:11:58.018 --> 01:12:00.348 handle those currently in the process

NOTE Confidence: 0.86254144

01:12:00.348 --> 01:12:02.568 of updating patients on information,

NOTE Confidence: 0.86254144

01:12:02.570 --> 01:12:04.950 or what completions do if they have
NOTE Confidence: 0.86254144

01:12:04.950 --> 01:12:07.680 a variant of uncertain significance?
NOTE Confidence: 0.86254144

01:12:07.680 --> 01:12:10.116 I'm happy to address these questions,
NOTE Confidence: 0.86254144

01:12:10.120 --> 01:12:12.150 so just for background information,
NOTE Confidence: 0.86254144

01:12:12.150 --> 01:12:13.438 for those of you,
NOTE Confidence: 0.86254144

01:12:13.438 --> 01:12:16.921 those of us who may not be as familiar
NOTE Confidence: 0.86254144

01:12:16.921 --> 01:12:19.855 with a variant of uncertain significance,
NOTE Confidence: 0.86254144

01:12:19.860 --> 01:12:22.092 it's basically when there is a
NOTE Confidence: 0.86254144

01:12:22.092 --> 01:12:24.513 genetic change we just don't know
NOTE Confidence: 0.86254144

01:12:24.513 --> 01:12:26.653 if the change actually actually
NOTE Confidence: 0.86254144

01:12:26.653 --> 01:12:28.789 increases the risk for cancer,
NOTE Confidence: 0.86254144

01:12:28.790 --> 01:12:31.744 or if it's just a normal variation
NOTE Confidence: 0.86254144

01:12:31.744 --> 01:12:34.068 that makes us who we are.
NOTE Confidence: 0.86254144

01:12:34.070 --> 01:12:36.554 So because most variants of uncertain
NOTE Confidence: 0.86254144

01:12:36.554 --> 01:12:37.796 significance are reclassified
NOTE Confidence: 0.86254144

01:12:37.796 --> 01:12:39.400 as a normal variation.

NOTE Confidence: 0.86254144
01:12:39.400 --> 01:12:40.534 In the future,
NOTE Confidence: 0.86254144
01:12:40.534 --> 01:12:43.796 we treat those results most of the time
NOTE Confidence: 0.86254144
01:12:43.796 --> 01:12:47.527 it just has been negative results until
NOTE Confidence: 0.86254144
01:12:47.527 --> 01:12:49.519 further reclassification by the lab.
NOTE Confidence: 0.86254144
01:12:49.520 --> 01:12:52.523 So most labs and this is very
NOTE Confidence: 0.86254144
01:12:52.523 --> 01:12:54.360 specific for each labs.
NOTE Confidence: 0.86254144
01:12:54.360 --> 01:12:56.922 Most labs they work really hard to
NOTE Confidence: 0.86254144
01:12:56.922 --> 01:12:59.486 re classify all of these variants
NOTE Confidence: 0.86254144
01:12:59.486 --> 01:13:01.796 of uncertain significance in when
NOTE Confidence: 0.86254144
01:13:01.796 --> 01:13:04.039 they gather more information,
NOTE Confidence: 0.86254144
01:13:04.040 --> 01:13:06.632 more data on the specific variance
NOTE Confidence: 0.86254144
01:13:06.632 --> 01:13:09.339 they are able to re classify
NOTE Confidence: 0.86254144
01:13:09.339 --> 01:13:11.574 it as a normal variation.
NOTE Confidence: 0.86254144
01:13:11.580 --> 01:13:15.508 Or a mutation an when they do so,
NOTE Confidence: 0.86254144
01:13:15.510 --> 01:13:19.101 they let the ordering provider know about
NOTE Confidence: 0.86254144

01:13:19.101 --> 01:13:21.151 the reclassification and ultimately
NOTE Confidence: 0.86254144

01:13:21.151 --> 01:13:23.713 it is our responsibility to reach
NOTE Confidence: 0.86254144

01:13:23.713 --> 01:13:27.671 out to the patient to let them know
NOTE Confidence: 0.86254144

01:13:27.671 --> 01:13:29.743 about the variant reclassification.
NOTE Confidence: 0.86254144

01:13:29.750 --> 01:13:34.169 So there's nothing to do on the patients end.
NOTE Confidence: 0.86254144

01:13:34.170 --> 01:13:37.600 It's really the lab that's working hard,
NOTE Confidence: 0.86254144

01:13:37.600 --> 01:13:39.672 and then they communicate
NOTE Confidence: 0.86254144

01:13:39.672 --> 01:13:41.744 those reclassification with us.
NOTE Confidence: 0.86254144

01:13:41.750 --> 01:13:44.890 Who ultimately communicate their the
NOTE Confidence: 0.86254144

01:13:44.890 --> 01:13:47.402 reclassification with the patients?
NOTE Confidence: 0.86254144

01:13:47.410 --> 01:13:48.556 For the so,
NOTE Confidence: 0.86254144

01:13:48.556 --> 01:13:50.848 I hope this answers the question
NOTE Confidence: 0.86254144

01:13:50.848 --> 01:13:52.826 for what to do with it.
NOTE Confidence: 0.86254144

01:13:52.830 --> 01:13:55.490 The variant of uncertain significance
NOTE Confidence: 0.86254144

01:13:55.490 --> 01:13:57.618 at regarding the Followups.
NOTE Confidence: 0.86254144

01:13:57.620 --> 01:14:01.666 And for the second questions regarding the

NOTE Confidence: 0.86254144

01:14:01.666 --> 01:14:06.249 age at which your son could get tested.

NOTE Confidence: 0.86254144

01:14:06.250 --> 01:14:08.215 Except most mutation,

NOTE Confidence: 0.86254144

01:14:08.215 --> 01:14:11.490 most genes we don't recommend

NOTE Confidence: 0.86254144

01:14:11.490 --> 01:14:15.247 to test before the age of 18.

NOTE Confidence: 0.86254144

01:14:15.250 --> 01:14:19.450 There are some exceptions to the rule.

NOTE Confidence: 0.86254144

01:14:19.450 --> 01:14:25.239 If there are increased risk for children.

NOTE Confidence: 0.86254144

01:14:25.240 --> 01:14:29.270 Potential risk for in childhood.

NOTE Confidence: 0.86254144

01:14:29.270 --> 01:14:32.518 And so with the check two mutation,

NOTE Confidence: 0.86254144

01:14:32.520 --> 01:14:34.336 their recommendation would be

NOTE Confidence: 0.86254144

01:14:34.336 --> 01:14:37.620 at the age of 18 or more.

NOTE Confidence: 0.86254144

01:14:37.620 --> 01:14:40.254 But we even recommend to wait

NOTE Confidence: 0.86254144

01:14:40.254 --> 01:14:42.590 until there's an actual change

NOTE Confidence: 0.86254144

01:14:42.590 --> 01:14:44.546 in the management recommendation

NOTE Confidence: 0.86254144

01:14:44.546 --> 01:14:48.394 and or if they want to find out

NOTE Confidence: 0.86254144

01:14:48.394 --> 01:14:50.146 before starting a family.

NOTE Confidence: 0.86254144

01:14:50.150 --> 01:14:53.654 So the age of 18 or even later
NOTE Confidence: 0.86254144

01:14:53.654 --> 01:14:57.308 if there's not going to be any
NOTE Confidence: 0.86254144

01:14:57.308 --> 01:14:59.978 changes to the management for.
NOTE Confidence: 0.86254144

01:14:59.980 --> 01:15:00.829 For the children.
NOTE Confidence: 0.72942066

01:15:04.510 --> 01:15:05.510 Thanks Camille.
NOTE Confidence: 0.8778165

01:15:08.060 --> 01:15:10.406 So, as genetic counselors we all
NOTE Confidence: 0.8778165

01:15:10.406 --> 01:15:12.801 have some experience with some of
NOTE Confidence: 0.8778165

01:15:12.801 --> 01:15:15.075 the emotional impacts and even close.
NOTE Confidence: 0.8778165

01:15:15.080 --> 01:15:17.960 You brought up a really
NOTE Confidence: 0.8778165

01:15:17.960 --> 01:15:20.264 good range of possibilities.
NOTE Confidence: 0.8778165

01:15:20.270 --> 01:15:23.154 Bad reactions to these positive test results.
NOTE Confidence: 0.8778165

01:15:23.160 --> 01:15:25.946 So someone had asked if there are
NOTE Confidence: 0.8778165

01:15:25.946 --> 01:15:27.695 any psychologists or therapists
NOTE Confidence: 0.8778165

01:15:27.695 --> 01:15:31.048 who are trained to help deal with
NOTE Confidence: 0.8778165

01:15:31.048 --> 01:15:33.122 emotional challenges that can come
NOTE Confidence: 0.8778165

01:15:33.122 --> 01:15:35.198 as a result of genetic testing

NOTE Confidence: 0.8778165

01:15:35.198 --> 01:15:37.070 or dealing with those impacts.

NOTE Confidence: 0.8778165

01:15:37.070 --> 01:15:39.903 Would any of you like to elaborate

NOTE Confidence: 0.8778165

01:15:39.903 --> 01:15:41.328 on that further?

NOTE Confidence: 0.8709274

01:15:42.070 --> 01:15:44.718 Yep, so we do have a therapist who

NOTE Confidence: 0.8709274

01:15:44.718 --> 01:15:47.705 we have worked with in refer refer

NOTE Confidence: 0.8709274

01:15:47.705 --> 01:15:49.950 patients to who are interested

NOTE Confidence: 0.8709274

01:15:50.033 --> 01:15:53.009 in meeting with someone who is

NOTE Confidence: 0.8709274

01:15:53.009 --> 01:15:54.993 knowledgeable both about either.

NOTE Confidence: 0.8709274

01:15:55.000 --> 01:15:57.478 In some cases people want someone

NOTE Confidence: 0.8709274

01:15:57.478 --> 01:16:00.115 who works with cancer patients or

NOTE Confidence: 0.8709274

01:16:00.115 --> 01:16:02.330 survivors but also specialized in

NOTE Confidence: 0.8709274

01:16:02.330 --> 01:16:04.053 understanding the uniqueness of

NOTE Confidence: 0.8709274

01:16:04.053 --> 01:16:05.777 having a hereditary predisposition.

NOTE Confidence: 0.8709274

01:16:05.780 --> 01:16:09.276 So we do have therapists on staff that

NOTE Confidence: 0.8709274

01:16:09.276 --> 01:16:12.270 we can refer to or find providers.

NOTE Confidence: 0.8709274

01:16:12.270 --> 01:16:14.782 Local in the area who can also
NOTE Confidence: 0.8709274

01:16:14.782 --> 01:16:16.930 be a service to patients
NOTE Confidence: 0.90221184

01:16:16.930 --> 01:16:18.079 or other relative.
NOTE Confidence: 0.8763983

01:16:20.360 --> 01:16:22.300 So just give us a call.
NOTE Confidence: 0.8763983

01:16:22.300 --> 01:16:24.298 We're happy to help give the
NOTE Confidence: 0.8763983

01:16:24.298 --> 01:16:25.630 provided information to anybody
NOTE Confidence: 0.8763983

01:16:25.694 --> 01:16:27.139 who would find it helpful.
NOTE Confidence: 0.857488946153846

01:16:28.250 --> 01:16:31.281 Thanks my love. And so I think
NOTE Confidence: 0.857488946153846

01:16:31.281 --> 01:16:34.280 that's the last bit of questions.
NOTE Confidence: 0.857488946153846

01:16:34.280 --> 01:16:36.746 If anyone does have remaining questions,
NOTE Confidence: 0.857488946153846

01:16:36.750 --> 01:16:38.810 I encourage you to speak.
NOTE Confidence: 0.857488946153846

01:16:38.810 --> 01:16:39.893 Now. My panelists.
NOTE Confidence: 0.857488946153846

01:16:39.893 --> 01:16:42.420 I don't know if you guys have
NOTE Confidence: 0.857488946153846

01:16:42.503 --> 01:16:44.759 any final words or parting words
NOTE Confidence: 0.857488946153846

01:16:44.759 --> 01:16:47.311 of wisdom and did great takeaway
NOTE Confidence: 0.857488946153846

01:16:47.311 --> 01:16:50.685 slides that last chance to leave our

NOTE Confidence: 0.857488946153846

01:16:50.685 --> 01:16:52.818 participants and guests with some

NOTE Confidence: 0.857488946153846

01:16:52.818 --> 01:16:54.466 information from tonight's session.

NOTE Confidence: 0.88438946

01:17:01.550 --> 01:17:03.698 I'm also just want to thank

NOTE Confidence: 0.88438946

01:17:03.698 --> 01:17:05.540 everyone for spending you know,

NOTE Confidence: 0.88438946

01:17:05.540 --> 01:17:07.586 your night with last year and

NOTE Confidence: 0.88438946

01:17:07.586 --> 01:17:09.402 hopefully with the weeks coming

NOTE Confidence: 0.88438946

01:17:09.402 --> 01:17:11.347 ahead will continue to expand.

NOTE Confidence: 0.88438946

01:17:11.350 --> 01:17:13.170 The information about these genes,

NOTE Confidence: 0.88438946

01:17:13.170 --> 01:17:14.980 hereditary of risk medical management,

NOTE Confidence: 0.88438946

01:17:14.980 --> 01:17:16.800 and the various options that

NOTE Confidence: 0.88438946

01:17:16.800 --> 01:17:19.034 are available to people who are

NOTE Confidence: 0.88438946

01:17:19.034 --> 01:17:20.786 at increased risk for cancer.

NOTE Confidence: 0.88438946

01:17:20.786 --> 01:17:22.980 So we appreciate you tuning in

NOTE Confidence: 0.88438946

01:17:22.980 --> 01:17:25.220 and hopefully will see you guys.

NOTE Confidence: 0.88438946

01:17:25.220 --> 01:17:27.788 And maybe even more next week.