WEBVTT

NOTE duration:"01:13:33.3330000"

NOTE language:en-us

NOTE Confidence: 0.069090664

00:00:00.000 --> 00:00:03.592 Um? So I would like to welcome

NOTE Confidence: 0.069090664

00:00:03.592 --> 00:00:05.699 everybody to this Milo shares events.

NOTE Confidence: 0.069090664

00:00:05.700 --> 00:00:07.320 My name is Claire Healy.

NOTE Confidence: 0.069090664

00:00:07.320 --> 00:00:08.964 I'm one of the lead genetic

NOTE Confidence: 0.069090664

00:00:08.964 --> 00:00:10.532 counselors in the smilow cancer

NOTE Confidence: 0.069090664

00:00:10.532 --> 00:00:12.180 genetics and Prevention program.

NOTE Confidence: 0.069090664

00:00:12.180 --> 00:00:14.764 An I'll be helping to moderate this event.

NOTE Confidence: 0.069090664

00:00:14.770 --> 00:00:17.354 We're very happy to have you joining us.

NOTE Confidence: 0.069090664

00:00:17.360 --> 00:00:19.781 This is the third web and R Anna series

NOTE Confidence: 0.069090664

00:00:19.781 --> 00:00:21.845 geared towards individuals with hereditary

NOTE Confidence: 0.069090664

00:00:21.845 --> 00:00:24.443 breast and or ovarian cancer syndromes

NOTE Confidence: 0.069090664

00:00:24.506 --> 00:00:26.378 as well as their family members.

NOTE Confidence: 0.069090664

00:00:26.380 --> 00:00:28.265 Tonight we're pleased to welcome

NOTE Confidence: 0.069090664

00:00:28.265 --> 00:00:30.150 doctor Abraham of plastic surgeon

NOTE Confidence: 0.069090664

00:00:30.212 --> 00:00:32.648 who will speak to us about options

NOTE Confidence: 0.069090664

00:00:32.648 --> 00:00:33.692 for breast reconstruction.

NOTE Confidence: 0.069090664

00:00:33.700 --> 00:00:34.280 Doctor Ferrell,

NOTE Confidence: 0.069090664

00:00:34.280 --> 00:00:36.310 who will speak to us about risk

NOTE Confidence: 0.069090664

00:00:36.310 --> 00:00:37.903 for pancreatic cancer associated

NOTE Confidence: 0.069090664

00:00:37.903 --> 00:00:39.978 with some corrected Terry breast

NOTE Confidence: 0.069090664

00:00:39.978 --> 00:00:42.119 and ovarian cancer gene mutations,

NOTE Confidence: 0.069090664

00:00:42.120 --> 00:00:44.118 as well as options for pancreatic

NOTE Confidence: 0.069090664

00:00:44.118 --> 00:00:45.450 cancer surveillance and Amy

NOTE Confidence: 0.069090664

00:00:45.512 --> 00:00:46.880 Killea genetic counselor,

NOTE Confidence: 0.069090664

00:00:46.880 --> 00:00:49.435 who will discuss risk for cancer in

NOTE Confidence: 0.069090664

00:00:49.435 --> 00:00:51.487 men with mutations in hereditary

NOTE Confidence: 0.069090664

00:00:51.487 --> 00:00:53.707 breast and ovarian cancer genes.

NOTE Confidence: 0.069090664

00:00:53.710 --> 00:00:55.498 Each of our speakers will present

NOTE Confidence: 0.069090664

00:00:55.498 --> 00:00:56.690 for approximately 20 minutes,

NOTE Confidence: 0.069090664

00:00:56.690 --> 00:00:59.363 leaving 30 minutes at the end of the session.

NOTE Confidence: 0.069090664

00:00:59.370 --> 00:01:00.630 For questions and answers.

NOTE Confidence: 0.069090664

00:01:00.630 --> 00:01:01.890 Please submit your questions

NOTE Confidence: 0.069090664

00:01:01.890 --> 00:01:03.140 through the Q&A feature,

NOTE Confidence: 0.069090664

00:01:03.140 --> 00:01:04.586 which can be found at the

NOTE Confidence: 0.069090664

00:01:04.586 --> 00:01:06.339 bottom of the web and R window,

NOTE Confidence: 0.069090664

00:01:06.340 --> 00:01:08.484 and questions will be held to the end

NOTE Confidence: 0.069090664

00:01:08.484 --> 00:01:10.879 of all of the talks and we hope to

NOTE Confidence: 0.069090664

00:01:10.879 --> 00:01:13.415 get through as many as possible at the end.

NOTE Confidence: 0.069090664

00:01:13.420 --> 00:01:15.016 So with that I'll turn it

NOTE Confidence: 0.069090664

00:01:15.016 --> 00:01:16.080 over to Doctor Abraham.

NOTE Confidence: 0.9051004

00:01:17.560 --> 00:01:19.597 Good evening, let me just share my

NOTE Confidence: 0.9051004

00:01:19.597 --> 00:01:21.538 screen and get my PowerPoint up.

NOTE Confidence: 0.8644523

00:01:26.800 --> 00:01:29.670 Alright, can you guys see?

NOTE Confidence: 0.8644523

00:01:29.670 --> 00:01:31.234 Somebody nod. Alright, OK,

NOTE Confidence: 0.8644523

00:01:31.234 --> 00:01:34.133 so today I'm going to talk about

3

NOTE Confidence: 0.8644523

00:01:34.133 --> 00:01:36.049 Mastectomy Reconstruction and women

NOTE Confidence: 0.8644523

00:01:36.049 --> 00:01:39.040 at high risk for breast cancer.

NOTE Confidence: 0.8644523

00:01:39.040 --> 00:01:42.235 I am the one person speaking today who cannot

NOTE Confidence: 0.8644523

00:01:42.235 --> 00:01:45.159 talk too specifically about cancer risk,

NOTE Confidence: 0.8644523

00:01:45.160 --> 00:01:47.200 but an adjunct to it.

NOTE Confidence: 0.8644523

00:01:47.200 --> 00:01:48.828 Then just fair warning,

NOTE Confidence: 0.8644523

00:01:48.828 --> 00:01:51.278 this is plastic surgery talk, so

NOTE Confidence: 0.8644523

00:01:51.278 --> 00:01:54.542 there will be photos with before and after.

NOTE Confidence: 0.8644523

00:01:54.550 --> 00:01:57.406 So if anybody has a problem with

NOTE Confidence: 0.8644523

00:01:57.406 --> 00:02:01.009 photos of breasts, just fair warning.

NOTE Confidence: 0.8644523

00:02:01.010 --> 00:02:02.042 Just a brief outline.

NOTE Confidence: 0.8644523

00:02:02.042 --> 00:02:04.436 We're going to talk a little bit about

NOTE Confidence: 0.8644523

00:02:04.436 --> 00:02:06.020 background of breast reconstruction,

NOTE Confidence: 0.8644523

00:02:06.020 --> 00:02:08.764 how this relates to high risk patients.

NOTE Confidence: 0.8644523

00:02:08.770 --> 00:02:09.970 What the reconstructive konsult

NOTE Confidence: 0.8644523

00:02:09.970 --> 00:02:12.411 is all about and how to figure out

NOTE Confidence: 0.8644523

00:02:12.411 --> 00:02:14.169 a little bit about your options,

NOTE Confidence: 0.8644523

00:02:14.170 --> 00:02:17.563 as well as some examples of women that have

NOTE Confidence: 0.8644523

00:02:17.563 --> 00:02:19.897 reconstructive implants in their own tissue.

NOTE Confidence: 0.8644523

00:02:19.900 --> 00:02:21.448 So my second reconstruction

NOTE Confidence: 0.8644523

00:02:21.448 --> 00:02:22.996 is very common operation.

NOTE Confidence: 0.8644523

00:02:23.000 --> 00:02:25.429 In 2017 the Americans sided plastic surgery

NOTE Confidence: 0.8644523

00:02:25.429 --> 00:02:27.420 approximates that more than 100,000

NOTE Confidence: 0.8644523

00:02:27.420 --> 00:02:29.208 women underwent breast reconstruction.

NOTE Confidence: 0.8644523

00:02:29.210 --> 00:02:31.145 The vast majority of those

NOTE Confidence: 0.8644523

00:02:31.145 --> 00:02:32.693 nationwide were implant based.

NOTE Confidence: 0.8644523

00:02:32.700 --> 00:02:33.864 Reconstruction with less

NOTE Confidence: 0.8644523

00:02:33.864 --> 00:02:35.416 than 5000 being autologous,

NOTE Confidence: 0.8644523

00:02:35.420 --> 00:02:36.242 that is,

NOTE Confidence: 0.8644523

00:02:36.242 --> 00:02:38.297 using their own tissues and

NOTE Confidence: 0.8644523

00:02:38.297 --> 00:02:40.849 that's driven by a lot of things,

NOTE Confidence: 0.8644523

00:02:40.850 --> 00:02:42.695 including the fact that breast

NOTE Confidence: 0.8644523

00:02:42.695 --> 00:02:44.540 cancers are common disease and

NOTE Confidence: 0.8644523

00:02:44.609 --> 00:02:46.669 also some medical economic issues,

NOTE Confidence: 0.8644523

00:02:46.670 --> 00:02:48.775 and something called the Women's

NOTE Confidence: 0.8644523

00:02:48.775 --> 00:02:51.310 Health cancer Rights Act of 1998.

NOTE Confidence: 0.8644523

00:02:51.310 --> 00:02:53.752 So the Women's Health counselor Rights

NOTE Confidence: 0.8644523

00:02:53.752 --> 00:02:56.875 Act in 1998 specifies that insurance is

NOTE Confidence: 0.8644523

00:02:56.875 --> 00:02:59.250 must cover mist ectomy reconstruction.

NOTE Confidence: 0.8644523

00:02:59.250 --> 00:03:01.455 Any surgery that's necessary for

NOTE Confidence: 0.8644523

00:03:01.455 --> 00:03:03.660 symmetrization by an unaffected breast.

NOTE Confidence: 0.8644523

00:03:03.660 --> 00:03:05.860 Any revision surgery that's necessary,

NOTE Confidence: 0.8644523

00:03:05.860 --> 00:03:08.947 as well as prosthesis and special bras.

NOTE Confidence: 0.8644523

00:03:08.950 --> 00:03:10.086 So therefore,

NOTE Confidence: 0.8644523

00:03:10.086 --> 00:03:12.926 that creates an environment where

NOTE Confidence: 0.8644523

00:03:12.926 --> 00:03:15.136 breast reconstruction can be

NOTE Confidence: 0.8644523

00:03:15.136 --> 00:03:16.816 a very common operation.

NOTE Confidence: 0.8644523

00:03:16.820 --> 00:03:17.932 And then you know,

NOTE Confidence: 0.8644523

00:03:17.932 --> 00:03:20.427 I I obviously we have a limited amount

NOTE Confidence: 0.8644523

00:03:20.427 --> 00:03:22.750 of time, so I can't be comprehensive.

NOTE Confidence: 0.8644523

00:03:22.750 --> 00:03:24.370 But there are some issues that

NOTE Confidence: 0.8644523

00:03:24.370 --> 00:03:26.077 are specific to the patients that

NOTE Confidence: 0.8644523

00:03:26.077 --> 00:03:27.793 are high risk patients when it

NOTE Confidence: 0.8644523

00:03:27.793 --> 00:03:29.610 comes to breast reconstruction.

NOTE Confidence: 0.8644523

00:03:29.610 --> 00:03:31.170 For example, in this population,

NOTE Confidence: 0.8644523

00:03:31.170 --> 00:03:32.418 surgery may be preventative

NOTE Confidence: 0.8644523

00:03:32.418 --> 00:03:33.354 rather than therapeutic.

NOTE Confidence: 0.8644523

00:03:33.360 --> 00:03:33.982 That is,

NOTE Confidence: 0.8644523

00:03:33.982 --> 00:03:36.159 these women may not have breast cancer,

NOTE Confidence: 0.8644523

00:03:36.160 --> 00:03:38.038 therefore there may be less urgency.

NOTE Confidence: 0.8644523

00:03:38.040 --> 00:03:40.528 There may be more options on the table,

NOTE Confidence: 0.8644523

00:03:40.530 --> 00:03:42.450 and there are really a different

7

NOTE Confidence: 0.8644523

00:03:42.450 --> 00:03:44.189 set of psychological and emotional

NOTE Confidence: 0.8644523

00:03:44.189 --> 00:03:46.159 impacts that can be encountered.

NOTE Confidence: 0.8644523

00:03:46.160 --> 00:03:48.536 The patient population that we deal

NOTE Confidence: 0.8644523

00:03:48.536 --> 00:03:51.522 with that's high risk may be younger

NOTE Confidence: 0.8644523

00:03:51.522 --> 00:03:53.737 than the typical mastectomy patient,

NOTE Confidence: 0.8644523

00:03:53.740 --> 00:03:55.845 and again that has lifestyle

NOTE Confidence: 0.8644523

00:03:55.845 --> 00:03:57.108 and psychological implications.

NOTE Confidence: 0.8644523

00:03:57.110 --> 00:03:59.630 There can be different body shapes,

NOTE Confidence: 0.8644523

00:03:59.630 --> 00:04:01.740 body types, and breast issues,

NOTE Confidence: 0.8644523

00:04:01.740 --> 00:04:03.845 and Additionally these patients may

NOTE Confidence: 0.8644523

00:04:03.845 --> 00:04:05.950 have risks for additional cancers.

NOTE Confidence: 0.8644523

00:04:05.950 --> 00:04:08.050 And as I'll discuss later,

NOTE Confidence: 0.8644523

00:04:08.050 --> 00:04:11.165 that can lead to some synergies and

NOTE Confidence: 0.8644523

00:04:11.165 --> 00:04:13.143 some quote coordination between

NOTE Confidence: 0.8644523

00:04:13.143 --> 00:04:15.379 surgical and oncologic teams.

NOTE Confidence: 0.8644523

00:04:15.380 --> 00:04:17.180 Some other considerations that are

NOTE Confidence: 0.8644523

00:04:17.180 --> 00:04:18.620 that nipple sparing mastectomy.

NOTE Confidence: 0.8644523

00:04:18.620 --> 00:04:20.420 There's something that you guys

NOTE Confidence: 0.8644523

00:04:20.420 --> 00:04:21.860 may have heard about,

NOTE Confidence: 0.8644523

00:04:21.860 --> 00:04:24.218 and it's actually a very individualized

NOTE Confidence: 0.8644523

00:04:24.218 --> 00:04:25.790 decision whether to preserve

NOTE Confidence: 0.8644523

00:04:25.857 --> 00:04:26.897 the nipple or not,

NOTE Confidence: 0.8644523

00:04:26.900 --> 00:04:29.645 and it really needs to be made in concert

NOTE Confidence: 0.8644523

00:04:29.645 --> 00:04:31.937 with the breast oncologic surgeon.

NOTE Confidence: 0.8644523

00:04:31.940 --> 00:04:33.907 That's going to be doing the mistake

NOTE Confidence: 0.8644523

00:04:33.907 --> 00:04:36.425 to me and takes into account their

NOTE Confidence: 0.8644523

00:04:36.425 --> 00:04:38.037 technical comfort the patient

NOTE Confidence: 0.8644523

00:04:38.037 --> 00:04:39.695 desires and anatomic realities

NOTE Confidence: 0.8644523

00:04:39.695 --> 00:04:41.660 of a womans breast breast.

NOTE Confidence: 0.82467175

00:04:41.660 --> 00:04:43.100 Risk reducing surgery can

NOTE Confidence: 0.82467175

00:04:43.100 --> 00:04:44.900 also be combined with you.

NOTE Confidence: 0.82467175

00:04:44.900 --> 00:04:48.146 Answered risk reducing surgery as we.

NOTE Confidence: 0.82467175

00:04:48.150 --> 00:04:51.195 As I sort of alluded to earlier,

NOTE Confidence: 0.82467175

00:04:51.200 --> 00:04:53.756 because a lot of the genetic

NOTE Confidence: 0.82467175

00:04:53.756 --> 00:04:55.981 syndromes that are associated with

NOTE Confidence: 0.82467175

00:04:55.981 --> 00:04:58.627 an increased risk of breast cancer

NOTE Confidence: 0.82467175

00:04:58.627 --> 00:05:00.867 also associated with an increased

NOTE Confidence: 0.82467175

00:05:00.867 --> 00:05:02.967 risk of that logic answers.

NOTE Confidence: 0.8228902

00:05:05.180 --> 00:05:07.724 And we found that there are rates of

NOTE Confidence: 0.8228902

00:05:07.724 --> 00:05:09.189 preventative mastectomies are increasing.

NOTE Confidence: 0.8228902

00:05:09.190 --> 00:05:11.846 This has been going on for sometime and

NOTE Confidence: 0.8228902

00:05:11.846 --> 00:05:14.866 while we can't say for sure where that is,

NOTE Confidence: 0.8228902

00:05:14.870 --> 00:05:17.282 we can suspect that it has to do with

NOTE Confidence: 0.8228902

00:05:17.282 --> 00:05:19.139 increased knowledge regarding jeans were

NOTE Confidence: 0.8228902

00:05:19.139 --> 00:05:21.431 finding jeans that are putting women

NOTE Confidence: 0.8228902

00:05:21.494 --> 00:05:23.546 at increased risk for breast cancer.

NOTE Confidence: 0.8228902

00:05:23.550 --> 00:05:25.014 We're finding new ones.

NOTE Confidence: 0.8228902

00:05:25.014 --> 00:05:26.844 There's greater patient awareness and

NOTE Confidence: 0.8228902

00:05:26.844 --> 00:05:28.809 there's events like this that allow

NOTE Confidence: 0.8228902

00:05:28.809 --> 00:05:30.715 patients to feel empowered and educate

NOTE Confidence: 0.8228902

00:05:30.715 --> 00:05:32.899 themselves on us to breast cancer risk.

NOTE Confidence: 0.8228902

00:05:32.900 --> 00:05:35.469 And there's also an increased access to

NOTE Confidence: 0.8228902

00:05:35.469 --> 00:05:37.279 breast reconstruction across the country.

NOTE Confidence: 0.8228902

00:05:37.280 --> 00:05:40.136 Now, when it comes to this,

NOTE Confidence: 0.8228902

00:05:40.140 --> 00:05:42.660 I think patient awareness of

NOTE Confidence: 0.8228902

00:05:42.660 --> 00:05:44.172 reconstruction after Mastectomy

NOTE Confidence: 0.8228902

00:05:44.172 --> 00:05:47.277 as a before and after May 2013,

NOTE Confidence: 0.8228902

00:05:47.280 --> 00:05:49.520 because in May 2013.

NOTE Confidence: 0.8228902

00:05:49.520 --> 00:05:50.640 This woman,

NOTE Confidence: 0.8228902

00:05:50.640 --> 00:05:53.058 Angelina Jolie publicized that she had

NOTE Confidence: 0.8228902

00:05:53.058 --> 00:05:55.620 undergone a bilateral mastectomy for risk

NOTE Confidence: 0.8228902

00:05:55.620 --> 00:05:57.400 reduction with implant reconstruction,

NOTE Confidence: 0.8228902

00:05:57.400 --> 00:05:59.505 and this really obviously generated

NOTE Confidence: 0.8228902

00:05:59.505 --> 00:06:01.189 a lot of buzz.

NOTE Confidence: 0.8228902

00:06:01.190 --> 00:06:04.086 And also I think when you think of

NOTE Confidence: 0.8228902

00:06:04.086 --> 00:06:06.792 a woman whose appearance and who's

NOTE Confidence: 0.8228902

00:06:06.792 --> 00:06:10.546 breast play a larger role in her life

NOTE Confidence: 0.8228902

00:06:10.546 --> 00:06:13.423 than they do for most other women,

NOTE Confidence: 0.8228902

00:06:13.430 --> 00:06:15.956 can go ahead and do this.

NOTE Confidence: 0.8228902

00:06:15.960 --> 00:06:19.481 I think many women in the community

NOTE Confidence: 0.8228902

00:06:19.481 --> 00:06:22.120 at large felt empowered.

NOTE Confidence: 0.8228902

00:06:22.120 --> 00:06:23.806 So there's a lot of decisions

NOTE Confidence: 0.8228902

00:06:23.806 --> 00:06:25.310 that need to be made,

NOTE Confidence: 0.8228902

00:06:25.310 --> 00:06:27.050 and some of these are difficult

NOTE Confidence: 0.8228902

00:06:27.050 --> 00:06:28.210 and evolved complex choices.

NOTE Confidence: 0.8228902

00:06:28.210 --> 00:06:30.240 There's a lot of data that relates

NOTE Confidence: 0.8228902

00:06:30.240 --> 00:06:31.110 to preventative mastectomy,

NOTE Confidence: 0.8228902

00:06:31.110 --> 00:06:33.042 and it can be really be difficult

NOTE Confidence: 0.8228902

00:06:33.042 --> 00:06:35.617 to parse and process one of the good

NOTE Confidence: 0.8228902

00:06:35.617 --> 00:06:37.297 things about breast cancers that

NOTE Confidence: 0.8228902

00:06:37.365 --> 00:06:39.229 we have a lot of data about it,

NOTE Confidence: 0.8228902

00:06:39.230 --> 00:06:41.198 but it can really make decision

NOTE Confidence: 0.8228902

00:06:41.198 --> 00:06:42.810 making very complicated and even

NOTE Confidence: 0.8228902

00:06:42.810 --> 00:06:44.738 for us it's hard to keep track of.

NOTE Confidence: 0.8228902

00:06:44.740 --> 00:06:46.450 So these decisions really should be

NOTE Confidence: 0.8228902

00:06:46.450 --> 00:06:47.930 made in consultation with experts

NOTE Confidence: 0.8228902

00:06:47.930 --> 00:06:49.090 and breast cancer risk.

NOTE Confidence: 0.8228902

00:06:49.090 --> 00:06:50.374 There are specifically expert

NOTE Confidence: 0.8228902

00:06:50.374 --> 00:06:52.640 that that and that could be your.

NOTE Confidence: 0.8228902

00:06:52.640 --> 00:06:53.904 Breast uncle, logic surgeon.

NOTE Confidence: 0.8228902

00:06:53.904 --> 00:06:55.800 It could be your breast medical

NOTE Confidence: 0.8228902

00:06:55.862 --> 00:06:57.358 oncologist or Jeanette assist

NOTE Confidence: 0.8228902

00:06:57.358 --> 00:06:59.228 that has specific training and

NOTE Confidence: 0.8228902

00:06:59.228 --> 00:07:01.220 experience with this particular risk

NOTE Confidence: 0.8228902

00:07:01.220 --> 00:07:02.776 genetic sister genetic counselor.

NOTE Confidence: 0.8333814

00:07:05.100 --> 00:07:06.714 So finally, we're getting to the

NOTE Confidence: 0.8333814

00:07:06.714 --> 00:07:08.170 plastic surgery aspect of things,

NOTE Confidence: 0.8333814

00:07:08.170 --> 00:07:09.058 the reconstructive console.

NOTE Confidence: 0.8333814

00:07:09.058 --> 00:07:11.130 There's going to be a lot that's

NOTE Confidence: 0.8333814

00:07:11.182 --> 00:07:12.904 thrown at the patient at this time.

NOTE Confidence: 0.8333814

00:07:12.910 --> 00:07:14.536 The console is appropriate even if

NOTE Confidence: 0.8333814

00:07:14.536 --> 00:07:16.538 the patient is not ready to proceed.

NOTE Confidence: 0.8333814

00:07:16.540 --> 00:07:18.332 I do these alot, and while they're

NOTE Confidence: 0.8333814

00:07:18.332 --> 00:07:19.889 not always the highest yield,

NOTE Confidence: 0.8333814

00:07:19.890 --> 00:07:21.661 and I think of them a little

NOTE Confidence: 0.8333814

00:07:21.661 --> 00:07:22.960 bit as information sessions,

NOTE Confidence: 0.8333814

00:07:22.960 --> 00:07:25.184 I think it's a lot to think about,

NOTE Confidence: 0.8333814

00:07:25.190 --> 00:07:26.864 and you can store to start

NOTE Confidence: 0.8333814

14

00:07:26.864 --> 00:07:27.980 getting the process percolating.

NOTE Confidence: 0.8333814

00:07:27.980 --> 00:07:29.648 There's really a ton of options,

NOTE Confidence: 0.8333814

00:07:29.650 --> 00:07:31.330 and it can be really overwhelming.

NOTE Confidence: 0.8333814

00:07:31.330 --> 00:07:33.255 I encourage patients to write down the

NOTE Confidence: 0.8333814

00:07:33.255 --> 00:07:35.378 questions and to bring somebody with them.

NOTE Confidence: 0.8333814

00:07:35.380 --> 00:07:36.808 That could help him remember things

NOTE Confidence: 0.8333814

00:07:36.808 --> 00:07:38.189 and sort of advocate for them.

NOTE Confidence: 0.8333814

00:07:38.190 --> 00:07:39.588 And it's OK to remember this

NOTE Confidence: 0.8333814

00:07:39.588 --> 00:07:40.287 is really complicated.

NOTE Confidence: 0.8333814

00:07:40.290 --> 00:07:42.602 Took me 10 years to learn what all

NOTE Confidence: 0.8333814

00:07:42.602 --> 00:07:44.662 the options are and I don't expect

NOTE Confidence: 0.8333814

00:07:44.662 --> 00:07:46.694 the patient to be able to figure

NOTE Confidence: 0.8333814

00:07:46.694 --> 00:07:48.902 that out in 45 minutes to an hour.

NOTE Confidence: 0.8333814

00:07:48.910 --> 00:07:50.525 And it's important to remember

NOTE Confidence: 0.8333814

00:07:50.525 --> 00:07:51.817 the breast reconstruction is

NOTE Confidence: 0.8333814

00:07:51.817 --> 00:07:53.338 about empowering the patient.

NOTE Confidence: 0.8333814

00:07:53.340 --> 00:07:55.386 You know alot of women have

NOTE Confidence: 0.8333814

00:07:55.386 --> 00:07:56.750 guilt associated with us,

NOTE Confidence: 0.8333814

00:07:56.750 --> 00:07:59.165 but I think it's important to remember

NOTE Confidence: 0.8333814

00:07:59.165 --> 00:08:01.870 that wanting to have breasts is not vain.

NOTE Confidence: 0.8333814

00:08:01.870 --> 00:08:04.397 Women are generally used to seeing themselves

NOTE Confidence: 0.8333814

00:08:04.397 --> 00:08:06.299 with breast starting from age 1213.

NOTE Confidence: 0.8333814

00:08:06.300 --> 00:08:07.374 Something like that.

NOTE Confidence: 0.8333814

00:08:07.374 --> 00:08:09.164 And by the time they

NOTE Confidence: 0.8333814

00:08:09.164 --> 00:08:10.728 reached their 30s and 40s,

NOTE Confidence: 0.8333814

00:08:10.730 --> 00:08:13.458 this sort of imprinted in their self image.

NOTE Confidence: 0.8333814

00:08:13.460 --> 00:08:15.206 And I think it's very traumatic

NOTE Confidence: 0.8333814

00:08:15.206 --> 00:08:17.660 to lose that the console should be

NOTE Confidence: 0.8333814

00:08:17.660 --> 00:08:19.705 centered around the patient's goals.

NOTE Confidence: 0.8333814

00:08:19.710 --> 00:08:21.702 And the patient should feel confident

NOTE Confidence: 0.8333814

00:08:21.702 --> 00:08:23.430 to openly share their goals,

NOTE Confidence: 0.8333814

00:08:23.430 --> 00:08:24.104 their concerns,

NOTE Confidence: 0.8333814

00:08:24.104 --> 00:08:25.452 and their preconceptions with

NOTE Confidence: 0.8333814

00:08:25.452 --> 00:08:26.463 their plastic surgeon.

NOTE Confidence: 0.8333814

00:08:26.470 --> 00:08:28.857 And I think it's also important to

NOTE Confidence: 0.8333814

00:08:28.857 --> 00:08:30.860 encourage the patient to be educated.

NOTE Confidence: 0.8333814

00:08:30.860 --> 00:08:33.227 And we all know that this is a double

NOTE Confidence: 0.8333814

00:08:33.227 --> 00:08:35.388 edged sword because the information that

NOTE Confidence: 0.8333814

00:08:35.388 --> 00:08:37.960 you find can be sometimes misleading.

NOTE Confidence: 0.8333814

00:08:37.960 --> 00:08:40.326 But I always find that an educated

NOTE Confidence: 0.8333814

00:08:40.326 --> 00:08:42.930 patient isn't happy, patient.

NOTE Confidence: 0.8333814

00:08:42.930 --> 00:08:43.776 And then I,

NOTE Confidence: 0.8333814

00:08:43.776 --> 00:08:44.904 as the plastic surgeon,

NOTE Confidence: 0.8333814

00:08:44.910 --> 00:08:46.891 need to learn a lot about you

NOTE Confidence: 0.8333814

00:08:46.891 --> 00:08:47.740 at this console.

NOTE Confidence: 0.8333814

00:08:47.740 --> 00:08:50.004 They need to know all sorts of things.

NOTE Confidence: 0.8333814

00:08:50.010 --> 00:08:51.420 Value ranging from the mundane,

NOTE Confidence: 0.8333814

00:08:51.420 --> 00:08:53.420 such as your age and other medical problems

NOTE Confidence: 0.8333814

00:08:53.420 --> 00:08:55.522 to things that are specific to breast

NOTE Confidence: 0.8333814

00:08:55.522 --> 00:08:57.077 reconstruction suits your breast size,

NOTE Confidence: 0.8333814

00:08:57.080 --> 00:08:57.988 your shape,

NOTE Confidence: 0.8333814

00:08:57.988 --> 00:08:59.350 your body type.

NOTE Confidence: 0.8333814

00:08:59.350 --> 00:09:02.810 Oh epic wants me to upgrade what

NOTE Confidence: 0.8333814

00:09:02.810 --> 00:09:04.110 previous surgeries you've had?

NOTE Confidence: 0.8333814

00:09:04.110 --> 00:09:06.060 What do you do for living?

NOTE Confidence: 0.8333814

00:09:06.060 --> 00:09:07.986 Are you able to miss significant

NOTE Confidence: 0.8333814

00:09:07.986 --> 00:09:09.640 amount of time from work?

NOTE Confidence: 0.8333814

00:09:09.640 --> 00:09:11.260 What lifestyle issues are there,

NOTE Confidence: 0.8333814

00:09:11.260 --> 00:09:13.521 and what are the activities that are

NOTE Confidence: 0.8333814

00:09:13.521 --> 00:09:16.544 important to you that we don't want to

NOTE Confidence: 0.8333814

00:09:16.544 --> 00:09:18.529 harm when performing breast reconstruction?

NOTE Confidence: 0.8333814

00:09:18.530 --> 00:09:20.378 And then I think the next important

NOTE Confidence: 0.8333814

18

00:09:20.378 --> 00:09:21.833 part is setting expectations and

NOTE Confidence: 0.8333814

00:09:21.833 --> 00:09:23.663 what the goals of the reconstruction

NOTE Confidence: 0.8333814

00:09:23.663 --> 00:09:25.728 is so you know some of these things

NOTE Confidence: 0.8333814

00:09:25.728 --> 00:09:27.660 that I say come straight out of sort

NOTE Confidence: 0.8333814

00:09:27.660 --> 00:09:29.910 of my spiel that I give to patients.

NOTE Confidence: 0.8333814

00:09:29.910 --> 00:09:30.615 And you know,

NOTE Confidence: 0.8333814

00:09:30.615 --> 00:09:32.260 I talk to patient about three goals

NOTE Confidence: 0.8333814

00:09:32.308 --> 00:09:33.818 of Reconstruction and the first

NOTE Confidence: 0.8333814

00:09:33.818 --> 00:09:35.328 2 should be readily achievable,

NOTE Confidence: 0.8333814

00:09:35.330 --> 00:09:36.685 barring a complication and 3rd

NOTE Confidence: 0.8333814

00:09:36.685 --> 00:09:38.040 takes time and takes time,

NOTE Confidence: 0.8333814

00:09:38.040 --> 00:09:38.309 time,

NOTE Confidence: 0.8333814

00:09:38.309 --> 00:09:40.730 and work both on my part and the patients

NOTE Confidence: 0.86149955

00:09:40.791 --> 00:09:42.646 bar, because some of it is psychological.

NOTE Confidence: 0.86149955

00:09:42.650 --> 00:09:44.666 And the first goal is that in in

NOTE Confidence: 0.86149955

00:09:44.666 --> 00:09:46.169 clothing nobody should know women.

19

NOTE Confidence: 0.86149955

00:09:46.170 --> 00:09:47.934 You know, pretty much pretty much

NOTE Confidence: 0.86149955

00:09:47.934 --> 00:09:50.040 every woman does not want this to be.

NOTE Confidence: 0.86149955

00:09:50.040 --> 00:09:51.415 A conversation starter with strangers

NOTE Confidence: 0.86149955

00:09:51.415 --> 00:09:53.349 asking what's going on with her breasts.

NOTE Confidence: 0.86149955

00:09:53.350 --> 00:09:55.348 An second goal is that I want my patients

NOTE Confidence: 0.86149955

00:09:55.348 --> 00:09:57.487 to be comfortable looking at themselves.

NOTE Confidence: 0.86149955

00:09:57.490 --> 00:10:00.109 The we can't have a situation where woman is.

NOTE Confidence: 0.86149955

00:10:00.110 --> 00:10:01.919 Your clothes off to go take a shower and

NOTE Confidence: 0.86149955

00:10:01.919 --> 00:10:03.623 is avoiding the mirror because she's

NOTE Confidence: 0.86149955

00:10:03.623 --> 00:10:05.745 horrified to look at herself and then third

NOTE Confidence: 0.86149955

00:10:05.745 --> 00:10:07.426 goal and this takes time as I mentioned,

NOTE Confidence: 0.86149955

00:10:07.426 --> 00:10:08.370 is being comfortable with

NOTE Confidence: 0.86149955

00:10:08.370 --> 00:10:09.550 somebody else seeing their brows.

NOTE Confidence: 0.86149955

00:10:09.550 --> 00:10:10.730 Somebody else touching the breast.

NOTE Confidence: 0.86149955

00:10:10.730 --> 00:10:13.076 Since things like sex and intimacy.

NOTE Confidence: 0.86149955

00:10:13.080 --> 00:10:13.734 And again,

NOTE Confidence: 0.86149955

00:10:13.734 --> 00:10:15.696 in terms of setting expectations important,

NOTE Confidence: 0.86149955

00:10:15.700 --> 00:10:17.692 remember the reconstructed breasts will never

NOTE Confidence: 0.86149955

00:10:17.692 --> 00:10:19.970 look exactly the same as native breasts.

NOTE Confidence: 0.86149955

00:10:19.970 --> 00:10:21.610 Whether they will look better.

NOTE Confidence: 0.86149955

00:10:21.610 --> 00:10:23.245 Worst indifferent is sort of

NOTE Confidence: 0.86149955

00:10:23.245 --> 00:10:24.553 multifactorial and also subjective,

NOTE Confidence: 0.86149955

00:10:24.560 --> 00:10:27.180 so I think that I try not to get into

NOTE Confidence: 0.86149955

00:10:27.256 --> 00:10:29.806 that because that's a judgment call,

NOTE Confidence: 0.86149955

00:10:29.810 --> 00:10:31.778 but ultimately it's important to remember.

NOTE Confidence: 0.86149955

00:10:31.780 --> 00:10:35.036 The rest will not look exactly the same.

NOTE Confidence: 0.86149955

00:10:35.040 --> 00:10:36.870 And the last thing that's important

NOTE Confidence: 0.86149955

00:10:36.870 --> 00:10:38.837 to remember is that for the

NOTE Confidence: 0.86149955

00:10:38.837 --> 00:10:39.869 optimal static outcome,

NOTE Confidence: 0.86149955

00:10:39.870 --> 00:10:42.187 and this is variable from women to

NOTE Confidence: 0.86149955

00:10:42.187 --> 00:10:44.446 women's two from woman to woman has

NOTE Confidence: 0.86149955

00:10:44.446 --> 00:10:46.630 to how important this is to them.

NOTE Confidence: 0.86149955

00:10:46.630 --> 00:10:48.562 The optimal aesthetic outcome will almost

NOTE Confidence: 0.86149955

00:10:48.562 --> 00:10:49.850 certainly require additional revision,

NOTE Confidence: 0.86149955

00:10:49.850 --> 00:10:50.858 so additional small surgeries.

NOTE Confidence: 0.86149955

00:10:50.858 --> 00:10:53.254 So while a lot of these reconstructions are

NOTE Confidence: 0.86149955

00:10:53.254 --> 00:10:55.324 presented as single stage reconstructions,

NOTE Confidence: 0.86149955

00:10:55.330 --> 00:10:58.998 they almost all require small touch ups.

NOTE Confidence: 0.86149955

00:10:59.000 --> 00:10:59.267 Alright,

NOTE Confidence: 0.86149955

00:10:59.267 --> 00:11:01.403 so when I talk to women about options

NOTE Confidence: 0.86149955

00:11:01.403 --> 00:11:03.119 for mastectomy reconstruction,

NOTE Confidence: 0.86149955

00:11:03.120 --> 00:11:05.160 I tell them right off the bat that

NOTE Confidence: 0.86149955

00:11:05.160 --> 00:11:06.882 I'm going to oversimplify things

NOTE Confidence: 0.86149955

00:11:06.882 --> 00:11:08.414 because otherwise we're just

NOTE Confidence: 0.86149955

00:11:08.414 --> 00:11:10.320 going to drown information.

NOTE Confidence: 0.86149955

00:11:10.320 --> 00:11:12.344 So let's go ahead and supply things and

NOTE Confidence: 0.86149955

00:11:12.344 --> 00:11:14.941 find X and the oversimplification is that

NOTE Confidence: 0.86149955

00:11:14.941 --> 00:11:16.976 there are implants based reconstruction

NOTE Confidence: 0.86149955

00:11:17.033 --> 00:11:18.818 and tissue based reconstruction and

NOTE Confidence: 0.86149955

00:11:18.818 --> 00:11:20.925 choosing between the two were required

NOTE Confidence: 0.86149955

00:11:20.925 --> 00:11:22.815 taking into account patients goals as

NOTE Confidence: 0.86149955

00:11:22.815 --> 00:11:25.278 well as the reality of their specific

NOTE Confidence: 0.86149955

00:11:25.278 --> 00:11:27.462 situation in terms of medical conditions,

NOTE Confidence: 0.86149955

00:11:27.470 --> 00:11:30.590 body types, and lifestyle issues.

NOTE Confidence: 0.86149955

00:11:30.590 --> 00:11:31.625 So implant reconstruction,

NOTE Confidence: 0.86149955

00:11:31.625 --> 00:11:32.660 there it is.

NOTE Confidence: 0.86149955

00:11:32.660 --> 00:11:34.676 There's the the breast implant usually

NOTE Confidence: 0.86149955

00:11:34.676 --> 00:11:37.149 done either in one or two operations.

NOTE Confidence: 0.86149955

00:11:37.150 --> 00:11:38.185 Sometimes the temporary

NOTE Confidence: 0.86149955

00:11:38.185 --> 00:11:39.220 implants plays followed,

NOTE Confidence: 0.86149955

00:11:39.220 --> 00:11:40.600 replaced by replacing it

NOTE Confidence: 0.86149955

00:11:40.600 --> 00:11:41.980 with a permanent implant.

00:11:41.980 --> 00:11:44.050 Implants are either Saline or silicone.

00:11:44.050 --> 00:11:46.120 Again, without getting into too much,

00:11:46.120 --> 00:11:47.840 a strongly favorite silicone implants,

00:11:47.840 --> 00:11:50.185 I'm happy to discuss that with anybody

00:11:50.185 --> 00:11:52.329 that has specific questions to that,

00:11:52.330 --> 00:11:54.268 and then the important thing to

00:11:54.268 --> 00:11:56.638 remember is that we do not use

00:11:56.638 --> 00:11:58.318 textured implants or the solid

00:11:58.318 --> 00:12:00.769 implants so called gummy bear implants.

00:12:00.770 --> 00:12:03.759 Those have been associated with a rare

00:12:03.759 --> 00:12:06.406 type of lymphoma and actually yell

00:12:06.406 --> 00:12:09.395 was at the forefront of banning these

00:12:09.480 --> 00:12:12.276 implants even before the FDA active.

00:12:12.280 --> 00:12:13.984 So what are the advantages of

00:12:13.984 --> 00:12:14.836 using implants reconstruction?

00:12:14.840 --> 00:12:16.255 It's a shorter operation and

NOTE Confidence: 0.86149955

00:12:16.255 --> 00:12:17.387 a shorter recovery time.

NOTE Confidence: 0.86149955

00:12:17.390 --> 00:12:19.520 It does not add a ton of surgery to the

NOTE Confidence: 0.86149955

00:12:19.575 --> 00:12:21.650 mastectomy that you're already having,

NOTE Confidence: 0.86149955

00:12:21.650 --> 00:12:23.360 and basically it's volume on demand.

NOTE Confidence: 0.86149955

00:12:23.360 --> 00:12:25.118 So the implants come off the

NOTE Confidence: 0.86149955

00:12:25.118 --> 00:12:26.290 shelves in a variety

NOTE Confidence: 0.83780384

00:12:26.349 --> 00:12:29.039 of sizes and we can pick sizes based on that.

NOTE Confidence: 0.841585

00:12:29.990 --> 00:12:30.842 There are disadvantages.

NOTE Confidence: 0.841585

00:12:30.842 --> 00:12:31.410 Biggest disadvantage,

NOTE Confidence: 0.841585

00:12:31.410 --> 00:12:33.498 I think, is that it's not always the most

NOTE Confidence: 0.841585

00:12:33.498 --> 00:12:35.387 natural looking or feeling reconstruction.

NOTE Confidence: 0.841585

00:12:35.390 --> 00:12:37.577 It's not the same as putting in a breast

NOTE Confidence: 0.841585

00:12:37.577 --> 00:12:39.650 implant for cosmetic surgery with implants.

NOTE Confidence: 0.841585

00:12:39.650 --> 00:12:40.750 It's under the breast.

NOTE Confidence: 0.841585

00:12:40.750 --> 00:12:42.125 Your implant is essentially sitting

NOTE Confidence: 0.841585

00:12:42.125 --> 00:12:43.907 under the skin and particularly renewed.

NOTE Confidence: 0.841585

00:12:43.910 --> 00:12:45.919 It's fairly obvious that it's breast mound

NOTE Confidence: 0.841585

00:12:45.919 --> 00:12:48.166 in most cases rather than a true breast.

NOTE Confidence: 0.841585

00:12:48.170 --> 00:12:49.994 Implants are likely to have a

NOTE Confidence: 0.841585

00:12:49.994 --> 00:12:51.771 problem that requires them to be

NOTE Confidence: 0.841585

00:12:51.771 --> 00:12:53.277 replaced at some point in time.

NOTE Confidence: 0.841585

00:12:53.280 --> 00:12:55.030 That's going to come into the into

NOTE Confidence: 0.841585

00:12:55.030 --> 00:12:56.690 play during the woman's lifetime.

NOTE Confidence: 0.841585

00:12:56.690 --> 00:12:59.530 I tell women an average of 15 years or so,

NOTE Confidence: 0.841585

00:12:59.530 --> 00:13:01.010 and then there's an entity

NOTE Confidence: 0.841585

00:13:01.010 --> 00:13:02.194 called breast implant illness.

NOTE Confidence: 0.841585

00:13:02.200 --> 00:13:04.096 Or buy this is there are women there

NOTE Confidence: 0.841585

00:13:04.096 --> 00:13:05.723 report that they feel like they've

NOTE Confidence: 0.841585

00:13:05.723 --> 00:13:07.379 been harmed by their implants and

NOTE Confidence: 0.841585

00:13:07.433 --> 00:13:08.969 they reported a variety of symptoms

NOTE Confidence: 0.841585

00:13:08.969 --> 00:13:10.238 that are sort of nonspecific.

NOTE Confidence: 0.841585

00:13:10.238 --> 00:13:12.380 And while I don't know for sure that implants

NOTE Confidence: 0.841585

00:13:12.422 --> 00:13:13.897 are actually causing these symptoms,

NOTE Confidence: 0.841585

00:13:13.900 --> 00:13:15.720 I don't think these women are crazy.

NOTE Confidence: 0.841585

00:13:15.720 --> 00:13:17.286 They're feeling what it is that

NOTE Confidence: 0.841585

00:13:17.286 --> 00:13:18.888 they're feeling and we don't know

NOTE Confidence: 0.841585

00:13:18.888 --> 00:13:20.652 for sure that it's not the implants,

NOTE Confidence: 0.841585

00:13:20.660 --> 00:13:23.208 so it's something to keep in mind.

NOTE Confidence: 0.841585

00:13:23.210 --> 00:13:25.765 So just some examples and you know,

NOTE Confidence: 0.841585

00:13:25.770 --> 00:13:27.118 as I warned you,

NOTE Confidence: 0.841585

00:13:27.118 --> 00:13:29.800 we're going to be seeing some breasts.

NOTE Confidence: 0.841585

00:13:29.800 --> 00:13:32.416 This is a woman in her 20s who

NOTE Confidence: 0.841585

00:13:32.416 --> 00:13:33.820 underwent preventative mastectomy,

NOTE Confidence: 0.841585

00:13:33.820 --> 00:13:36.028 and then a reconstruction with temporary

NOTE Confidence: 0.841585

00:13:36.028 --> 00:13:37.908 implants followed by permanent implants

NOTE Confidence: 0.841585

00:13:37.908 --> 00:13:39.678 and a nipple sparing mastectomy.

NOTE Confidence: 0.841585

00:13:39.680 --> 00:13:42.368 And this is her outcome about a month

NOTE Confidence: 0.841585

00:13:42.368 --> 00:13:45.121 after her implant exchange fairly good

NOTE Confidence: 0.841585

00:13:45.121 --> 00:13:48.127 outcome with reasonable volume and shape.

NOTE Confidence: 0.841585

00:13:48.130 --> 00:13:50.512 This is a woman and you'll

NOTE Confidence: 0.841585

00:13:50.512 --> 00:13:52.100 see the blue squares.

NOTE Confidence: 0.841585

00:13:52.100 --> 00:13:54.085 When I blocked out potentially

NOTE Confidence: 0.841585

00:13:54.085 --> 00:13:54.879 identifying tattoos.

NOTE Confidence: 0.841585

00:13:54.880 --> 00:13:56.788 This is another woman very slight

NOTE Confidence: 0.841585

00:13:56.788 --> 00:13:59.472 in her 20s with very good breast

NOTE Confidence: 0.841585

00:13:59.472 --> 00:14:01.712 aesthetics that wanted a single

NOTE Confidence: 0.841585

00:14:01.712 --> 00:14:03.927 stage reconstruction so she had

NOTE Confidence: 0.841585

00:14:03.927 --> 00:14:05.595 her preventative mastectomy again.

NOTE Confidence: 0.841585

00:14:05.600 --> 00:14:08.018 Nipple sparing followed wide implant that

NOTE Confidence: 0.841585

00:14:08.018 --> 00:14:11.548 was placed at the same time of them stacking.

NOTE Confidence: 0.8671866

00:14:13.920 --> 00:14:15.846 And then just our last example.

NOTE Confidence: 0.8671866

00:14:15.850 --> 00:14:18.426 This is one more woman that was done.

NOTE Confidence: 0.8671866

00:14:18.430 --> 00:14:19.546 This was more recent.

NOTE Confidence: 0.8671866

00:14:19.546 --> 00:14:21.886 I wonder if we can see her kovid

NOTE Confidence: 0.8671866

00:14:21.886 --> 00:14:23.972 mask in one of these pictures and

NOTE Confidence: 0.8671866

00:14:23.972 --> 00:14:26.590 she also had a single stage single

NOTE Confidence: 0.8671866

00:14:26.590 --> 00:14:28.515 stage reconstruction with an implant.

NOTE Confidence: 0.8671866

00:14:28.515 --> 00:14:30.640 And as you can see,

NOTE Confidence: 0.8671866

00:14:30.640 --> 00:14:32.146 these are all very good results.

NOTE Confidence: 0.8671866

00:14:32.150 --> 00:14:33.167 Very asthetic results,

NOTE Confidence: 0.8671866

00:14:33.167 --> 00:14:35.201 but they do not look exactly

NOTE Confidence: 0.8671866

00:14:35.201 --> 00:14:37.206 the same as their native rust.

NOTE Confidence: 0.8671866

00:14:37.210 --> 00:14:38.825 And then there's tissue reconstruction

NOTE Confidence: 0.8671866

00:14:38.825 --> 00:14:40.117 and for Full disclosure,

NOTE Confidence: 0.8671866

00:14:40.120 --> 00:14:41.730 this is my preferred method

NOTE Confidence: 0.8671866

00:14:41.730 --> 00:14:42.374 of reconstruction.

NOTE Confidence: 0.8671866

00:14:42.380 --> 00:14:43.202 For most women,

NOTE Confidence: 0.8671866

00:14:43.202 --> 00:14:44.572 it's a preferred operations to

NOTE Confidence: 0.8671866

00:14:44.572 --> 00:14:46.250 much more interesting operation.

NOTE Confidence: 0.8671866

00:14:46.250 --> 00:14:48.188 I think it's a better and

NOTE Confidence: 0.8671866

00:14:48.188 --> 00:14:49.157 more lasting result.

NOTE Confidence: 0.8671866

00:14:49.160 --> 00:14:50.444 There are several options,

NOTE Confidence: 0.8671866

00:14:50.444 --> 00:14:52.748 but the majority of the time we

NOTE Confidence: 0.8671866

00:14:52.748 --> 00:14:54.650 take tissue from the lower abdomen.

NOTE Confidence: 0.8671866

00:14:54.650 --> 00:14:56.904 It's a much bigger operation and recovery,

NOTE Confidence: 0.8671866

00:14:56.910 --> 00:14:59.148 and the way I've presented to

NOTE Confidence: 0.8671866

00:14:59.148 --> 00:15:02.282 women is to think of it as a

NOTE Confidence: 0.8671866

00:15:02.282 --> 00:15:03.838 larger upfront investment for

NOTE Confidence: 0.8671866

00:15:03.838 --> 00:15:06.607 what may be a longer term result.

NOTE Confidence: 0.8671866

00:15:06.610 --> 00:15:07.459 So again, advantages,

NOTE Confidence: 0.8671866

00:15:07.459 --> 00:15:08.308 there's no implant,

NOTE Confidence: 0.8671866

00:15:08.310 --> 00:15:09.474 there's no foreign body,

NOTE Confidence: 0.8671866

00:15:09.474 --> 00:15:11.420 and some women are really disturbed by.

NOTE Confidence: 0.8671866

00:15:11.420 --> 00:15:12.760 That idea doesn't require the

NOTE Confidence: 0.8671866

00:15:12.760 --> 00:15:14.530 upkeep or replacement of an implant.

NOTE Confidence: 0.8671866

00:15:14.530 --> 00:15:15.945 An study after study shows

NOTE Confidence: 0.8671866

00:15:15.945 --> 00:15:17.360 that in the long run,

NOTE Confidence: 0.8671866

00:15:17.360 --> 00:15:20.152 women tend to be more satisfied with tissue

NOTE Confidence: 0.8671866

00:15:20.152 --> 00:15:22.070 reconstruction then finally construction.

NOTE Confidence: 0.8671866

00:15:22.070 --> 00:15:22.538 Their disadvantages,

NOTE Confidence: 0.8671866

00:15:22.538 --> 00:15:23.942 it's much bigger surgery in a

NOTE Confidence: 0.8671866

00:15:23.942 --> 00:15:25.270 much more significant recovery.

NOTE Confidence: 0.8671866

00:15:25.270 --> 00:15:26.878 And as I say to women,

NOTE Confidence: 0.8671866

00:15:26.880 --> 00:15:27.944 you're having surgery somewhere

NOTE Confidence: 0.8671866

00:15:27.944 --> 00:15:29.274 where you don't need to.

NOTE Confidence: 0.8671866

00:15:29.280 --> 00:15:30.876 There's nothing wrong with your belly.

NOTE Confidence: 0.8671866

00:15:30.880 --> 00:15:33.274 You do need to have surgery on your breasts.

NOTE Confidence: 0.8671866

00:15:33.280 --> 00:15:35.434 That doesn't necessarily mean we have

NOTE Confidence: 0.8671866

00:15:35.434 --> 00:15:37.838 to make a decision on your belly.

NOTE Confidence: 0.8671866

00:15:37.840 --> 00:15:39.140 And I like I said,

NOTE Confidence: 0.8671866

00:15:39.140 --> 00:15:40.682 the most common form of tissue

NOTE Confidence: 0.8671866

00:15:40.682 --> 00:15:41.980 reconstruction is the deep flap,

NOTE Confidence: 0.8671866

00:15:41.980 --> 00:15:43.800 which is tissue taken from the belly,

NOTE Confidence: 0.8671866

00:15:43.800 --> 00:15:45.348 similar incision to a tummy tuck.

NOTE Confidence: 0.8671866

00:15:45.350 --> 00:15:46.755 Blood vessels are taken with

NOTE Confidence: 0.8671866

00:15:46.755 --> 00:15:48.160 the tissue dissected through the

NOTE Confidence: 0.8671866

00:15:48.207 --> 00:15:49.817 muscle and then hooked up the blood

NOTE Confidence: 0.8671866

00:15:49.817 --> 00:15:51.580 vessels in the chest to allow that

NOTE Confidence: 0.8671866

00:15:51.580 --> 00:15:52.860 tissue to replace the filling.

NOTE Confidence: 0.8671866

00:15:52.860 --> 00:15:56.388 In some of the skin of the breast.

NOTE Confidence: 0.8671866

00:15:56.390 --> 00:15:56.954 Some examples.

NOTE Confidence: 0.8671866

00:15:56.954 --> 00:15:58.928 This is a woman again just going

NOTE Confidence: 0.8671866

00:15:58.928 --> 00:16:01.309 to the fact that this is a

NOTE Confidence: 0.8671866

00:16:01.309 --> 00:16:01.987 preventative mastectomy.

NOTE Confidence: 0.8671866

00:16:01.990 --> 00:16:03.234 It gives us time.

NOTE Confidence: 0.8671866

00:16:03.234 --> 00:16:04.167 There's no rush,

NOTE Confidence: 0.8671866

00:16:04.170 --> 00:16:06.340 so she wanted preservation of her nipples.

NOTE Confidence: 0.8671866

00:16:06.340 --> 00:16:08.000 She obviously has large breasts

NOTE Confidence: 0.8671866

00:16:08.000 --> 00:16:09.986 that have some sag related to

NOTE Confidence: 0.8671866

00:16:09.986 --> 00:16:11.331 breastfeeding and what we did

NOTE Confidence: 0.8671866

00:16:11.331 --> 00:16:13.425 here is we did a breast reduction

NOTE Confidence: 0.8671866

00:16:13.425 --> 00:16:15.345 followed by a mastectomy and adi

NOTE Confidence: 0.8671866

00:16:15.345 --> 00:16:17.788 flap and this is her shortly after

NOTE Confidence: 0.8671866

00:16:17.788 --> 00:16:19.791 her reconstruction you can see she

NOTE Confidence: 0.8671866

00:16:19.791 --> 00:16:21.903 has a small wound on the left that

NOTE Confidence: 0.8671866

00:16:21.974 --> 00:16:24.088 ended up healing and you can see

NOTE Confidence: 0.8671866

00:16:24.088 --> 00:16:26.740 the scar across her belly, but this is.

NOTE Confidence: 0.8671866

00:16:26.740 --> 00:16:30.286 A reconstruction with their own tissues.

NOTE Confidence: 0.8671866

00:16:30.290 --> 00:16:33.104 This is another woman is similar results.

NOTE Confidence: 0.8671866

00:16:33.110 --> 00:16:34.750 She's in her 40s.

NOTE Confidence: 0.8671866

00:16:34.750 --> 00:16:36.390 She's breastfed multiple children

NOTE Confidence: 0.8671866

00:16:36.390 --> 00:16:39.157 and she has sagging of the breasts.

NOTE Confidence: 0.8671866

00:16:39.160 --> 00:16:40.014 She is,

NOTE Confidence: 0.8671866

00:16:40.014 --> 00:16:40.441 however,

NOTE Confidence: 0.8671866

00:16:40.441 --> 00:16:44.880 quite thin and what we did here is we did a

NOTE Confidence: 0.8671866

00:16:44.880 --> 00:16:48.429 breast lift at the time of the breast lift.

NOTE Confidence: 0.8671866

00:16:48.430 --> 00:16:49.633 Doctor Elena Ratner,

NOTE Confidence: 0.8671866

00:16:49.633 --> 00:16:50.836 whose are GY,

NOTE Confidence: 0.8671866

00:16:50.840 --> 00:16:52.373 an oncologist extraordinaire,

NOTE Confidence: 0.8671866

00:16:52.373 --> 00:16:55.439 did Jiwan Guanica logic risk reducing

NOTE Confidence: 0.8671866

00:16:55.439 --> 00:16:58.307 surgery and then we came back and

NOTE Confidence: 0.8671866

00:16:58.307 --> 00:16:59.831 did reconstruction with tissue

NOTE Confidence: 0.77997845

00:16:59.907 --> 00:17:02.250 from her belly. Nipple preservation

NOTE Confidence: 0.82723886

00:17:04.600 --> 00:17:07.168 Women come in all different shapes and sizes.

NOTE Confidence: 0.82723886

00:17:07.170 --> 00:17:09.738 This is a woman in her late 20s.

NOTE Confidence: 0.82723886

00:17:09.740 --> 00:17:11.980 She is. She carries some extra weight.

NOTE Confidence: 0.82723886

00:17:11.980 --> 00:17:13.906 She did not wish to have

NOTE Confidence: 0.82723886

00:17:13.906 --> 00:17:14.869 her nipples preserved.

NOTE Confidence: 0.82723886

00:17:14.870 --> 00:17:16.826 She was concerned about any breast

NOTE Confidence: 0.82723886

00:17:16.826 --> 00:17:19.192 tissue that may be left behind in

NOTE Confidence: 0.82723886

00:17:19.192 --> 00:17:21.184 her nipple and therefore she had

NOTE Confidence: 0.82723886

00:17:21.184 --> 00:17:23.060 nipple sacrificed with her mastectomy

NOTE Confidence: 0.82723886

00:17:23.060 --> 00:17:25.274 and she wanted to be upsized.

NOTE Confidence: 0.82723886

00:17:25.280 --> 00:17:27.955 And this is her early result, obviously.

NOTE Confidence: 0.82723886

00:17:27.955 --> 00:17:30.265 Will want to tweak her belly

NOTE Confidence: 0.82723886

00:17:30.265 --> 00:17:32.160 a little bit over all.

NOTE Confidence: 0.82723886

00:17:32.160 --> 00:17:34.785 Her aesthetic result for breast

NOTE Confidence: 0.82723886

00:17:34.785 --> 00:17:36.885 reconstruction is very good.

NOTE Confidence: 0.82723886

00:17:36.890 --> 00:17:39.686 And then again more recent example.

NOTE Confidence: 0.82723886

00:17:39.690 --> 00:17:43.551 This is a woman that had a mastectomy and

NOTE Confidence: 0.82723886

00:17:43.551 --> 00:17:46.060 immediate reconstruction with flat with

NOTE Confidence: 0.82723886

00:17:46.060 --> 00:17:49.969 tissue from her belly at that same time.

NOTE Confidence: 0.82723886

00:17:49.970 --> 00:17:53.498 Doctor Radner did Lapre Scopic surgery to

NOTE Confidence: 0.82723886

00:17:53.498 --> 00:17:57.528 reduce some of organic logic cancer risks.

NOTE Confidence: 0.82723886

00:17:57.530 --> 00:17:59.678 And this is her early result.

NOTE Confidence: 0.82723886

00:17:59.680 --> 00:18:01.752 Those are not not heard net native

NOTE Confidence: 0.82723886

00:18:01.752 --> 00:18:03.620 nipples or nipple reconstructions.

NOTE Confidence: 0.82723886

00:18:03.620 --> 00:18:06.119 She likes to use paste on nipples

NOTE Confidence: 0.82723886

00:18:06.119 --> 00:18:07.910 and she's comfortable with that.

NOTE Confidence: 0.82723886

00:18:07.910 --> 00:18:11.870 Did not wish to have any further surgery.

NOTE Confidence: 0.82723886

00:18:11.870 --> 00:18:14.078 So I'll I'll give a yield my time

NOTE Confidence: 0.82723886

00:18:14.078 --> 00:18:15.928 since we're running out of time.

NOTE Confidence: 0.82723886

00:18:15.930 --> 00:18:17.146 Some take home messages.

NOTE Confidence: 0.82723886

00:18:17.146 --> 00:18:19.517 I know I just ran through a lot

NOTE Confidence: 0.82723886

00:18:19.517 --> 00:18:21.461 and this is a brief period of time

NOTE Confidence: 0.82723886

00:18:21.524 --> 00:18:23.468 to take in all this information.

NOTE Confidence: 0.82723886

00:18:23.470 --> 00:18:24.582 So take home messages.

NOTE Confidence: 0.82723886

00:18:24.582 --> 00:18:26.649 It's never too early to get your

NOTE Confidence: 0.82723886

00:18:26.649 --> 00:18:28.319 information and start your due

NOTE Confidence: 0.82723886

00:18:28.319 --> 00:18:30.220 diligence and to educate yourself.

NOTE Confidence: 0.82723886

00:18:30.220 --> 00:18:33.013 Breast reconstruction is a right for all

NOTE Confidence: 0.82723886

00:18:33.013 --> 00:18:35.603 insured women in this includes Medicare

NOTE Confidence: 0.82723886

00:18:35.603 --> 00:18:38.690 and Medicaid as codified by federal law.

NOTE Confidence: 0.82723886

00:18:38.690 --> 00:18:40.178 This is not a one size

NOTE Confidence: 0.82723886

00:18:40.178 --> 00:18:41.870 fits all type of operation.

NOTE Confidence: 0.82723886

00:18:41.870 --> 00:18:43.480 Therefore it's important to work

NOTE Confidence: 0.82723886

00:18:43.480 --> 00:18:45.989 with the team that can offer all

NOTE Confidence: 0.82723886

00:18:45.989 --> 00:18:47.665 possible types of Reconstruction.

NOTE Confidence: 0.82723886

00:18:47.670 --> 00:18:49.320 Breast reconstruction is pretty significant.

NOTE Confidence: 0.82723886

00:18:49.320 --> 00:18:50.692 Physical and emotional investment.

NOTE Confidence: 0.82723886

00:18:50.692 --> 00:18:52.950 This is not something that's going to.

NOTE Confidence: 0.82723886

00:18:52.950 --> 00:18:54.930 We're going to wave a wand,

NOTE Confidence: 0.82723886

00:18:54.930 --> 00:18:56.580 and everything is going to

NOTE Confidence: 0.82723886

00:18:56.580 --> 00:18:57.900 be perfect right away,

NOTE Confidence: 0.82723886

00:18:57.900 --> 00:18:59.220 and the optimal reconstruction

NOTE Confidence: 0.82723886

00:18:59.220 --> 00:19:00.540 may require several stages,

NOTE Confidence: 0.82723886

00:19:00.540 --> 00:19:04.311 and then you know I was trying to figure

NOTE Confidence: 0.82723886

00:19:04.311 --> 00:19:08.069 out what the best way to put this was.

NOTE Confidence: 0.82723886

00:19:08.070 --> 00:19:10.455 And I guess the take home is that it

NOTE Confidence: 0.82723886

00:19:10.455 --> 00:19:12.417 doesn't matter what anybody thinks,

NOTE Confidence: 0.82723886

00:19:12.420 --> 00:19:14.244 it's the woman and the patient

NOTE Confidence: 0.82723886

00:19:14.244 --> 00:19:15.837 that dictates the role that

NOTE Confidence: 0.82723886

00:19:15.837 --> 00:19:17.709 their breast play in their lives.

NOTE Confidence: 0.82723886

00:19:17.710 --> 00:19:19.733 And it's my job is the reconstructive

NOTE Confidence: 0.82723886

00:19:19.733 --> 00:19:21.439 surgeon to facilitate these decisions.

NOTE Confidence: 0.82723886

00:19:21.440 --> 00:19:22.684 So this is This,

NOTE Confidence: 0.82723886

00:19:22.684 --> 00:19:23.306 Is It?

NOTE Confidence: 0.82723886

00:19:23.310 --> 00:19:25.678 I'll give my give it over to the

NOTE Confidence: 0.82723886

00:19:25.678 --> 00:19:27.924 next speaker and I'll be happy to

NOTE Confidence: 0.82723886

00:19:27.924 --> 00:19:29.840 answer any questions at the end.

NOTE Confidence: 0.84373957

00:19:43.750 --> 00:19:47.490 I think you'll need to. There we go. More.

NOTE Confidence: 0.85744919

00:19:58.050 --> 00:20:02.710 OK. Where are those? OK. Is that

NOTE Confidence: 0.85744919

00:20:02.710 --> 00:20:05.160 your slides are my slides. Those

NOTE Confidence: 0.791307

00:20:05.160 --> 00:20:06.660 are your slides. Doctor Ferrell,

NOTE Confidence: 0.791307

00:20:06.660 --> 00:20:08.774 you should be able to nag navigate

NOTE Confidence: 0.791307

00:20:08.774 --> 00:20:10.860 through them unless you'd prefer to pull

NOTE Confidence: 0.791307

00:20:10.860 --> 00:20:11.760 them up yourself.

NOTE Confidence: 0.791307

00:20:11.760 --> 00:20:13.860 No, no, that's that's quite far ahead.

NOTE Confidence: 0.791307

00:20:13.860 --> 00:20:14.760 Thanks very much.

NOTE Confidence: 0.791307

00:20:14.760 --> 00:20:15.960 Again. Thanks very much.

NOTE Confidence: 0.791307

00:20:15.960 --> 00:20:18.215 The organizers for putting these

NOTE Confidence: 0.791307

00:20:18.215 --> 00:20:21.730 sessions together is kind of in this new era.

NOTE Confidence: 0.791307

00:20:21.730 --> 00:20:24.166 Nice to talk about pancreatic cancer.

NOTE Confidence: 0.791307

00:20:24.170 --> 00:20:25.790 The wrist and surveillance.

NOTE Confidence: 0.791307

00:20:25.790 --> 00:20:27.815 My name is James Farmer,

NOTE Confidence: 0.791307

00:20:27.820 --> 00:20:28.226 gastroenterologist,

NOTE Confidence: 0.791307

00:20:28.226 --> 00:20:30.256 predominately in code with an

NOTE Confidence: 0.791307

00:20:30.256 --> 00:20:31.880 interest in pancreatic disease,

NOTE Confidence: 0.791307

00:20:31.880 --> 00:20:34.184 and obviously the overlap with hereditary

NOTE Confidence: 0.791307

00:20:34.184 --> 00:20:36.350 breast and ovarian cancer syndromes.

NOTE Confidence: 0.791307

00:20:36.350 --> 00:20:38.716 Is is the reasons like it to

NOTE Confidence: 0.791307

00:20:38.716 --> 00:20:41.219 work in this very interesting,

NOTE Confidence: 0.791307

00:20:41.220 --> 00:20:45.216 exciting world of genetic risks so.

NOTE Confidence: 0.791307

00:20:45.220 --> 00:20:46.486 Count advance, that's the only thing.

NOTE Confidence: 0.791307

00:20:46.490 --> 00:20:48.170 So if I go to my own slides,

NOTE Confidence: 0.791307

00:20:48.170 --> 00:20:50.069 let me just take pull up my own slides,

NOTE Confidence: 0.791307

00:20:50.070 --> 00:20:50.642 right?

NOTE Confidence: 0.791307

00:20:50.642 --> 00:20:52.358 'cause I can't.

NOTE Confidence: 0.791307

00:20:52.360 --> 00:20:53.080 Stick to store

NOTE Confidence: 0.71971315

00:20:53.080 --> 00:20:53.803 China Doctor Ferrell.

NOTE Confidence: 0.71971315

00:20:53.803 --> 00:20:55.490 I think I just gave you control.

NOTE Confidence: 0.91333413

00:21:00.420 --> 00:21:06.015 No. You know? Let me it

NOTE Confidence: 0.91333413

00:21:06.015 --> 00:21:07.790 just me or is this? You

NOTE Confidence: 0.83708197

00:21:07.790 --> 00:21:09.850 know that that that's me, but if

NOTE Confidence: 0.83708197

00:21:09.850 --> 00:21:13.030 you do start start from beginning.

NOTE Confidence: 0.8341306

00:21:13.030 --> 00:21:15.330 Let me just try and pull up my own slides,

NOTE Confidence: 0.8341306

00:21:15.330 --> 00:21:16.940 otherwise I won't be able to advance.

NOTE Confidence: 0.8684189

00:21:19.100 --> 00:21:21.926 Let me just try. If not,

NOTE Confidence: 0.8684189

00:21:21.930 --> 00:21:25.325 it will go back try that will

NOTE Confidence: 0.8684189

00:21:25.325 --> 00:21:28.517 do share and we will go to.

NOTE Confidence: 0.82870775

00:21:30.950 --> 00:21:34.296 How's that OK? So you know pancreatic

NOTE Confidence: 0.82870775

00:21:34.296 --> 00:21:37.359 cancer compared to a lot of other

NOTE Confidence: 0.82870775

00:21:37.359 --> 00:21:40.609 accounts is not as common when you look

NOTE Confidence: 0.82870775

00:21:40.609 --> 00:21:44.025 at numbers in terms of kind of estimated.

NOTE Confidence: 0.82870775

00:21:44.030 --> 00:21:45.722 Rates for all cancers.

NOTE Confidence: 0.82870775

00:21:45.722 --> 00:21:48.697 It's actually low down on the list

NOTE Confidence: 0.82870775

00:21:48.697 --> 00:21:51.847 like #9 and #10 for for men and women,

NOTE Confidence: 0.82870775

00:21:51.850 --> 00:21:54.978 but when you look at cancer related deaths,

NOTE Confidence: 0.82870775

00:21:54.980 --> 00:21:56.930 it jumps up to #4.

NOTE Confidence: 0.82870775

00:21:56.930 --> 00:21:59.444 And for 2020 those rising number

NOTE Confidence: 0.82870775

00:21:59.444 --> 00:22:02.271 of about 56,000 cases or so at

NOTE Confidence: 0.82870775

00:22:02.271 --> 00:22:04.413 an equally large number of deaths

NOTE Confidence: 0.82870775

00:22:04.413 --> 00:22:07.099 due to the nature of the disease,

NOTE Confidence: 0.82870775

00:22:07.100 --> 00:22:09.446 and it's estimated that by 2025,

NOTE Confidence: 0.82870775

00:22:09.450 --> 00:22:11.790 which is rapidly approaching but least,

NOTE Confidence: 0.82870775

00:22:11.790 --> 00:22:14.541 2030 pancreatic cancer will be the second

NOTE Confidence: 0.82870775

00:22:14.541 --> 00:22:17.520 most common cause for cancer related deaths.

NOTE Confidence: 0.82870775

00:22:17.520 --> 00:22:19.689 Maybe the 1st and this is due to a

NOTE Confidence: 0.82870775

00:22:19.689 --> 00:22:21.962 variety of issues for short progress with

NOTE Confidence: 0.82870775

00:22:21.962 --> 00:22:24.310 other diseases in other types of cancers,

NOTE Confidence: 0.82870775

00:22:24.310 --> 00:22:26.151 but also kind of the slow incremental

NOTE Confidence: 0.82870775

00:22:26.151 --> 00:22:28.103 progress that's been made or the slower

NOTE Confidence: 0.82870775

00:22:28.103 --> 00:22:29.488 incremental progress that's been made

NOTE Confidence: 0.82870775

00:22:29.488 --> 00:22:31.088 with pancreatic cancer treatment,

NOTE Confidence: 0.82870775

00:22:31.090 --> 00:22:34.498 as well as the early detection.

NOTE Confidence: 0.82870775

00:22:34.500 --> 00:22:36.747 So this is a patient with a.

NOTE Confidence: 0.82870775

00:22:36.750 --> 00:22:39.470 This is a cat scan and this area I can

NOTE Confidence: 0.82870775

00:22:39.543 --> 00:22:42.630 just tell you here in the center is a

NOTE Confidence: 0.82870775

00:22:42.630 --> 00:22:45.129 pancreatic cancer at a very early stage.

NOTE Confidence: 0.82870775

00:22:45.130 --> 00:22:48.040 At the liver is over here and can tell it

NOTE Confidence: 0.82870775

00:22:48.114 --> 00:22:51.237 was no evidence of any disease in the liver.

NOTE Confidence: 0.82870775

00:22:51.240 --> 00:22:53.494 And also these are these white structures.

NOTE Confidence: 0.82870775

00:22:53.500 --> 00:22:55.396 Here are major large blood vessels

NOTE Confidence: 0.82870775

00:22:55.396 --> 00:22:57.678 in the tumor is away from that,

NOTE Confidence: 0.82870775

00:22:57.680 --> 00:23:00.677 and so this is a patient who has a

NOTE Confidence: 0.82870775

00:23:00.677 --> 00:23:03.238 surgically resectable pancreatic cancer.

NOTE Confidence: 0.82870775

00:23:03.240 --> 00:23:05.768 This is a patient also with a Mass

NOTE Confidence: 0.82870775

00:23:05.768 --> 00:23:08.700 in the head of the pancreas and it's

NOTE Confidence: 0.82870775

00:23:08.700 --> 00:23:11.394 very close to this blood vessel as

NOTE Confidence: 0.82870775

00:23:11.394 --> 00:23:14.040 a major blood vessel in the area.

NOTE Confidence: 0.82870775

00:23:14.040 --> 00:23:16.146 So a surgeon typically would not

NOTE Confidence: 0.82870775

00:23:16.146 --> 00:23:18.345 be able to surgically resect this

NOTE Confidence: 0.82870775

00:23:18.345 --> 00:23:20.872 without having to take a blood vessel.

NOTE Confidence: 0.82870775

00:23:20.880 --> 00:23:24.372 So this is what's called locally

NOTE Confidence: 0.82870775

00:23:24.372 --> 00:23:25.536 advanced disease.

NOTE Confidence: 0.82870775

00:23:25.540 --> 00:23:27.180 And this is pancreatic cancer,

NOTE Confidence: 0.82870775

00:23:27.180 --> 00:23:29.142 where the disease has spread outside

NOTE Confidence: 0.82870775

00:23:29.142 --> 00:23:29.796 the pancreas,

NOTE Confidence: 0.82870775

00:23:29.800 --> 00:23:32.173 and now we're dealing with disease lining

NOTE Confidence: 0.82870775

44

00:23:32.173 --> 00:23:35.047 the lining of the value of the Pirton name.

NOTE Confidence: 0.82870775

00:23:35.050 --> 00:23:37.018 So this is meta static disease,

NOTE Confidence: 0.82870775

00:23:37.020 --> 00:23:39.006 and when you look at pancreatic

NOTE Confidence: 0.82870775

00:23:39.006 --> 00:23:41.590 cancer in terms of site presentation.

NOTE Confidence: 0.82870775

00:23:41.590 --> 00:23:41.971 Unfortunately,

NOTE Confidence: 0.82870775

00:23:41.971 --> 00:23:45.019 the the number of patients is presented to

NOTE Confidence: 0.82870775

00:23:45.019 --> 00:23:47.256 patients who presented at early surgery.

NOTE Confidence: 0.82870775

00:23:47.260 --> 00:23:49.899 Resectable stage is kind of an optimistic

NOTE Confidence: 0.82870775

00:23:49.899 --> 00:23:52.170 15%, and those patients do better.

NOTE Confidence: 0.82870775

00:23:52.170 --> 00:23:54.984 They do well with a median survival

NOTE Confidence: 0.82870775

00:23:54.984 --> 00:23:57.839 in the region of 20 to 25 months,

NOTE Confidence: 0.82870775

00:23:57.840 --> 00:23:59.775 but unfortunately the vast majority

NOTE Confidence: 0.82870775

00:23:59.775 --> 00:24:01.710 of patients are presenting either

NOTE Confidence: 0.82870775

00:24:01.770 --> 00:24:03.510 at that locally advanced stage,

NOTE Confidence: 0.82870775

00:24:03.510 --> 00:24:06.331 whereas surgeon counters sect or at a

NOTE Confidence: 0.82870775

00:24:06.331 --> 00:24:09.107 meta static stage where the disease has

NOTE Confidence: 0.82870775

00:24:09.107 --> 00:24:11.939 spread to the liver or beyond and so.

NOTE Confidence: 0.82870775

00:24:11.940 --> 00:24:14.912 Removing the primary pancreas

NOTE Confidence: 0.82870775

00:24:14.912 --> 00:24:18.627 does not make biological sense.

NOTE Confidence: 0.82870775

00:24:18.630 --> 00:24:21.294 So despite you know some of these late

NOTE Confidence: 0.82870775

00:24:21.294 --> 00:24:23.148 presentations and realizing that the

NOTE Confidence: 0.82870775

00:24:23.148 --> 00:24:25.398 vast majority of patients do currently

NOTE Confidence: 0.82870775

00:24:25.398 --> 00:24:28.365 still presented a late stage and require

NOTE Confidence: 0.82870775

00:24:28.365 --> 00:24:30.053 medical treatment with chemotherapy,

NOTE Confidence: 0.82870775

00:24:30.060 --> 00:24:31.584 or sometimes radiation therapy,

NOTE Confidence: 0.82870775

00:24:31.584 --> 00:24:33.108 there have been advances,

NOTE Confidence: 0.82870775

00:24:33.110 --> 00:24:36.539 and so one of the studies that has been.

NOTE Confidence: 0.858558649999999

00:24:38.730 --> 00:24:41.138 That has pushed this field along Kurt about

NOTE Confidence: 0.858558649999999

00:24:41.138 --> 00:24:44.038 10 years ago where a new regiment of drugs

NOTE Confidence: 0.858558649999999

00:24:44.038 --> 00:24:46.373 called Folfirinox was going to be vastly

NOTE Confidence: 0.858558649999999

00:24:46.373 --> 00:24:48.968 superior to the existing drugs outside of in,

NOTE Confidence: 0.858558649999999

00:24:48.968 --> 00:24:51.096 and this is really kind of sparked

NOTE Confidence: 0.858558649999999

00:24:51.096 --> 00:24:53.818 a lot of new interest in this area,

NOTE Confidence: 0.858558649999999

00:24:53.820 --> 00:24:57.030 but there's still a long way to go and again,

NOTE Confidence: 0.858558649999999

00:24:57.030 --> 00:24:59.067 the vast majority of patients still succumb

NOTE Confidence: 0.858558649999999

00:24:59.067 --> 00:25:01.200 to the disease even after chemotherapy.

NOTE Confidence: 0.858558649999999

00:25:01.200 --> 00:25:04.710 And even after surgery, unfortunately.

NOTE Confidence: 0.858558649999999

00:25:04.710 --> 00:25:07.718 So there's many reasons for why the prognosis

NOTE Confidence: 0.858558649999999

00:25:07.718 --> 00:25:09.959 with pancreatic cancer is poor and why.

NOTE Confidence: 0.858558649999999

00:25:09.960 --> 00:25:11.640 Alot of the patients will

NOTE Confidence: 0.858558649999999

00:25:11.640 --> 00:25:13.810 present at late at late stage,

NOTE Confidence: 0.858558649999999

00:25:13.810 --> 00:25:16.078 and somebody has to do with the

NOTE Confidence: 0.858558649999999

00:25:16.078 --> 00:25:17.513 very nonspecific symptoms associated

NOTE Confidence: 0.858558649999999

00:25:17.513 --> 00:25:18.707 with the disease.

NOTE Confidence: 0.858558649999999

00:25:18.710 --> 00:25:21.860 Here's just a list of the more common one,

NOTE Confidence: 0.858558649999999

00:25:21.860 --> 00:25:25.010 and if you look at them like abdominal pain,

NOTE Confidence: 0.858558649999999

00:25:25.010 --> 00:25:26.410 weight loss, anorexia, nausea,

NOTE Confidence: 0.858558649999999

00:25:26.410 --> 00:25:27.810 vomiting, depression, back pain,

NOTE Confidence: 0.858558649999999

00:25:27.810 --> 00:25:29.210 these are very common,

NOTE Confidence: 0.858558649999999

00:25:29.210 --> 00:25:30.590 nonspecific abdominal pain.

NOTE Confidence: 0.858558649999999

00:25:30.590 --> 00:25:33.810 They don't have to be pancreatic cancer.

NOTE Confidence: 0.858558649999999

00:25:33.810 --> 00:25:35.350 Jaundice is also an attorney.

NOTE Confidence: 0.858558649999999

00:25:35.350 --> 00:25:36.582 Turning yellow is also

NOTE Confidence: 0.858558649999999

00:25:36.582 --> 00:25:37.506 very common presentation,

NOTE Confidence: 0.858558649999999

00:25:37.510 --> 00:25:39.346 but there's many explanations for that,

NOTE Confidence: 0.858558649999999

00:25:39.350 --> 00:25:42.675 as well as the darkening of urine.

NOTE Confidence: 0.858558649999999

00:25:42.680 --> 00:25:44.390 Two other presenting symptoms that are

NOTE Confidence: 0.858558649999999

00:25:44.390 --> 00:25:46.528 just kind of worth noticing will come.

NOTE Confidence: 0.858558649999999

00:25:46.530 --> 00:25:48.300 Will come back to the diabetes,

NOTE Confidence: 0.858558649999999

00:25:48.300 --> 00:25:49.784 but include acute pancreatitis.

NOTE Confidence: 0.858558649999999

00:25:49.784 --> 00:25:52.010 This is a patient who presented

NOTE Confidence: 0.858558649999999

00:25:52.075 --> 00:25:53.488 with acute pancreatitis,

NOTE Confidence: 0.858558649999999

00:25:53.490 --> 00:25:55.400 and so pancreatitis is inflammation

NOTE Confidence: 0.858558649999999

00:25:55.400 --> 00:25:57.310 in the pancreas typically associated

NOTE Confidence: 0.858558649999999

00:25:57.365 --> 00:25:59.010 with gallstones or alcohol use.

NOTE Confidence: 0.858558649999999

00:25:59.010 --> 00:26:00.045 In this patient,

NOTE Confidence: 0.858558649999999

00:26:00.045 --> 00:26:02.115 presented in December of 2015 and

NOTE Confidence: 0.858558649999999

00:26:02.115 --> 00:26:03.587 everything basically settled down

NOTE Confidence: 0.858558649999999

00:26:03.587 --> 00:26:05.723 when they came for reevaluation of

NOTE Confidence: 0.858558649999999

00:26:05.723 --> 00:26:07.838 their pancreas several months later.

NOTE Confidence: 0.858558649999999

00:26:07.840 --> 00:26:10.048 But their pancreas was perfectly normal,

NOTE Confidence: 0.858558649999999

00:26:10.050 --> 00:26:12.994 even by the best image in we had.

NOTE Confidence: 0.858558649999999

00:26:13.000 --> 00:26:15.936 There was no hint of anything going on.

NOTE Confidence: 0.858558649999999

00:26:15.940 --> 00:26:17.736 That was February 2016.

NOTE Confidence: 0.858558649999999

00:26:17.736 --> 00:26:20.903 And then the patient presented back in

NOTE Confidence: 0.858558649999999

00:26:20.903 --> 00:26:24.015 November 2018 so well over two years later,

NOTE Confidence: 0.858558649999999

00:26:24.020 --> 00:26:26.540 with the pancreatic ductal adenocarcinoma.

NOTE Confidence: 0.858558649999999

00:26:26.540 --> 00:26:28.812 So what we surmised from this that would

NOTE Confidence: 0.858558649999999

00:26:28.812 --> 00:26:31.034 it that there was something going on

NOTE Confidence: 0.858558649999999

00:26:31.034 --> 00:26:33.637 back in these early stage in 2015 to 2016,

NOTE Confidence: 0.858558649999999

00:26:33.640 --> 00:26:35.880 but just beyond the limitations of our

NOTE Confidence: 0.858558649999999

00:26:35.880 --> 00:26:38.117 imaging to kind of pick up what was

NOTE Confidence: 0.858558649999999

00:26:38.117 --> 00:26:39.799 going on and so acute pancreatitis

NOTE Confidence: 0.858558649999999

00:26:39.799 --> 00:26:42.235 as a presentation can't be ignored.

NOTE Confidence: 0.858558649999999

00:26:42.240 --> 00:26:43.782 And when it's when patients are

NOTE Confidence: 0.858558649999999

00:26:43.782 --> 00:26:45.219 followed to have acute pancreatitis

NOTE Confidence: 0.858558649999999

00:26:45.219 --> 00:26:46.984 and matched with the individuals

NOTE Confidence: 0.858558649999999

00:26:46.984 --> 00:26:48.396 who don't have pancreatitis,

NOTE Confidence: 0.858558649999999

00:26:48.400 --> 00:26:51.232 there is an increased risk of

NOTE Confidence: 0.858558649999999

00:26:51.232 --> 00:26:53.120 an underlying pancreatic cancer

NOTE Confidence: 0.858558649999999

00:26:53.205 --> 00:26:55.529 which we have to keep in mind.

NOTE Confidence: 0.858558649999999

00:26:55.530 --> 00:26:57.615 So specifically related to pancreatic

NOTE Confidence: 0.858558649999999

00:26:57.615 --> 00:26:58.866 pancreatic cancer screening,

NOTE Confidence: 0.858558649999999

00:26:58.870 --> 00:27:01.378 and most people are familiar with

NOTE Confidence: 0.858558649999999

00:27:01.378 --> 00:27:03.808 the terminology of screening as it

NOTE Confidence: 0.858558649999999

00:27:03.808 --> 00:27:05.872 relates to do even breast cancer

NOTE Confidence: 0.858558649999999

00:27:05.872 --> 00:27:08.584 screening or even colon cancer screening

NOTE Confidence: 0.858558649999999

00:27:08.584 --> 00:27:10.540 for previous cancer screening.

NOTE Confidence: 0.858558649999999

00:27:10.540 --> 00:27:12.625 The issues are quite difficult

NOTE Confidence: 0.858558649999999

00:27:12.625 --> 00:27:13.876 and quite challenging.

NOTE Confidence: 0.858558649999999

00:27:13.880 --> 00:27:16.115 People have defined a successful

NOTE Confidence: 0.858558649999999

00:27:16.115 --> 00:27:18.350 screening program as the ability

NOTE Confidence: 0.858558649999999

00:27:18.418 --> 00:27:20.548 to detect and treat very early,

NOTE Confidence: 0.858558649999999

00:27:20.550 --> 00:27:21.005 small,

NOTE Confidence: 0.858558649999999

00:27:21.005 --> 00:27:22.825 resectable pancreatic cancer and

NOTE Confidence: 0.858558649999999

00:27:22.825 --> 00:27:25.670 asymptomatic stage or the ability to find.

NOTE Confidence: 0.858558649999999

00:27:25.670 --> 00:27:27.182 Precancerous lesions they have

NOTE Confidence: 0.858558649999999

00:27:27.182 --> 00:27:29.450 names called patterns or IP Mens,

NOTE Confidence: 0.858558649999999

00:27:29.450 --> 00:27:31.424 which I'll come back to and this

NOTE Confidence: 0.858558649999999

00:27:31.424 --> 00:27:33.919 is a very high challenge for

NOTE Confidence: 0.858558649999999

00:27:33.919 --> 00:27:35.497 pancreatic cancer screening.

NOTE Confidence: 0.858558649999999

00:27:35.500 --> 00:27:39.163 Now a lot is being found out about pancreatic

NOTE Confidence: 0.858558649999999

00:27:39.163 --> 00:27:41.918 cancer over the last 10 or 15 years.

NOTE Confidence: 0.8495939

00:27:41.920 --> 00:27:43.675 It is incredibly studied disease

NOTE Confidence: 0.8495939

00:27:43.675 --> 00:27:46.080 and we know about the sequence,

NOTE Confidence: 0.8495939

00:27:46.080 --> 00:27:48.481 so we understand a lot about the

NOTE Confidence: 0.8495939

00:27:48.481 --> 00:27:50.472 sequence from the normal pancreas

NOTE Confidence: 0.8495939

00:27:50.472 --> 00:27:53.148 through a variety of stages leading

NOTE Confidence: 0.8495939

00:27:53.148 --> 00:27:55.620 to pancreatic ductal adenocarcinoma.

NOTE Confidence: 0.8495939

00:27:55.620 --> 00:27:57.444 Sometimes people will often ask when

NOTE Confidence: 0.8495939

00:27:57.444 --> 00:27:59.030 people present with pancreatic cancer.

NOTE Confidence: 0.8495939

00:27:59.030 --> 00:28:00.890 Well, how long was it there?

NOTE Confidence: 0.8495939

00:28:00.890 --> 00:28:02.440 Like when did this actually

NOTE Confidence: 0.8495939

00:28:02.440 --> 00:28:03.680 show up and should?

NOTE Confidence: 0.8495939

00:28:03.680 --> 00:28:06.032 I could have found it earlier if I

00:28:06.032 --> 00:28:08.329 had this scan and the reality is,

00:28:08.330 --> 00:28:09.912 is that when it goes from an

00:28:09.912 --> 00:28:11.965 early two of metastatic or locally

00:28:11.965 --> 00:28:13.285 advanced metastatic stage,

00:28:13.290 --> 00:28:15.152 it's probably of the order of 1

00:28:15.152 --> 00:28:17.534 to 1 1/2 years is a relatively

00:28:17.534 --> 00:28:19.429 short timeframe when it presents

00:28:19.429 --> 00:28:21.139 as an invasive cancer.

00:28:21.140 --> 00:28:23.121 The more interesting aspect of it is

00:28:23.121 --> 00:28:25.035 that there is some information that

00:28:25.035 --> 00:28:27.373 tells us that for a pancreatic cancer

00:28:27.436 --> 00:28:29.884 to develop from a perfectly normal

00:28:29.884 --> 00:28:31.516 pancreas through precancerous stages,

00:28:31.520 --> 00:28:33.175 and then to pancreatic cancer

00:28:33.175 --> 00:28:35.330 can take up to 11 years,

00:28:35.330 --> 00:28:37.904 and what that means to me is that it

00:28:37.904 --> 00:28:40.134 provides a very large opportunity for

00:28:40.134 --> 00:28:42.447 intervening and trying to find these

00:28:42.447 --> 00:28:45.009 cancers or precancers at an early stage.

00:28:45.010 --> 00:28:45.726 Now, unfortunately,

00:28:45.726 --> 00:28:49.467 a lot of the pre counts is that we see

00:28:49.467 --> 00:28:51.885 with pancreatic duct that no carcinoma.

00:28:51.890 --> 00:28:53.972 Are not clearly visible with the

00:28:53.972 --> 00:28:56.230 standard CT scan or an MRI scan,

00:28:56.230 --> 00:28:58.234 but there is a subgroup of

00:28:58.234 --> 00:28:59.570 precancerous lesions which are,

00:28:59.570 --> 00:29:01.580 and these are what are called.

00:29:01.580 --> 00:29:03.250 Pancreatic cysts are fluid collections,

00:29:03.250 --> 00:29:05.931 and it's guesstimated that they contribute to

00:29:05.931 --> 00:29:09.060 about to about 1/4 of all pancreatic cancers.

00:29:09.060 --> 00:29:09.395 Now,

NOTE Confidence: 0.8495939

00:29:09.395 --> 00:29:11.070 pancreatic cysts are very common,

NOTE Confidence: 0.8495939

00:29:11.070 --> 00:29:13.646 and Arg estimated to occur in about 6

NOTE Confidence: 0.8495939

00:29:13.646 --> 00:29:16.096 million people in the entire US population.

NOTE Confidence: 0.8495939

00:29:16.100 --> 00:29:17.972 They typically are found on CT

NOTE Confidence: 0.8495939

00:29:17.972 --> 00:29:19.780 scans done for other reasons,

NOTE Confidence: 0.8495939

00:29:19.780 --> 00:29:22.125 so individuals might have a kidney stone,

NOTE Confidence: 0.8495939

00:29:22.130 --> 00:29:22.778 for example,

NOTE Confidence: 0.8495939

00:29:22.778 --> 00:29:25.370 and then at the end up having a

NOTE Confidence: 0.8495939

00:29:25.446 --> 00:29:27.665 CT scan to look for the kidney

NOTE Confidence: 0.8495939

00:29:27.665 --> 00:29:29.499 stone and Lo and behold,

NOTE Confidence: 0.8495939

00:29:29.500 --> 00:29:31.838 we find this in this particular situation.

NOTE Confidence: 0.8495939

00:29:31.840 --> 00:29:33.850 A 2 centimeters cyst of fluid

NOTE Confidence: 0.8495939

00:29:33.850 --> 00:29:35.190 collection in the pancreas.

NOTE Confidence: 0.8495939

00:29:35.190 --> 00:29:37.157 The image down below is a more

NOTE Confidence: 0.8495939

00:29:37.157 --> 00:29:38.911 extreme version where there's multiple

NOTE Confidence: 0.8495939

00:29:38.911 --> 00:29:40.607 cysts throughout the pancreas.

NOTE Confidence: 0.8495939

00:29:40.610 --> 00:29:41.591 But sister very,

NOTE Confidence: 0.8495939

00:29:41.591 --> 00:29:43.880 very common and clearly the vast majority

NOTE Confidence: 0.8495939

00:29:43.942 --> 00:29:46.366 of sister found do not develop into cancer,

NOTE Confidence: 0.8495939

00:29:46.370 --> 00:29:47.970 but some of them do,

NOTE Confidence: 0.8495939

00:29:47.970 --> 00:29:50.380 and a lot of work has been done in to

NOTE Confidence: 0.8495939

00:29:50.447 --> 00:29:52.517 try and figuring out which patients

NOTE Confidence: 0.8495939

00:29:52.517 --> 00:29:55.009 we should be more aggressive with,

NOTE Confidence: 0.8495939

00:29:55.010 --> 00:29:58.850 in which patients we can follow.

NOTE Confidence: 0.8495939

00:29:58.850 --> 00:30:00.250 The other issues relating to.

NOTE Confidence: 0.8495939

00:30:00.250 --> 00:30:03.375 To pancreatic cancer are issues

NOTE Confidence: 0.8495939

00:30:03.375 --> 00:30:05.875 that are are are.

NOTE Confidence: 0.8495939

00:30:05.880 --> 00:30:07.804 Modifiable risk factors that

NOTE Confidence: 0.8495939

00:30:07.804 --> 00:30:09.728 necessarily that include exogenous

NOTE Confidence: 0.8495939

00:30:09.728 --> 00:30:12.411 factors that are related to the

NOTE Confidence: 0.8495939

00:30:12.411 --> 00:30:14.059 development of pancreatic cancer.

NOTE Confidence: 0.8495939

00:30:14.060 --> 00:30:16.405 Most of them You're probably familiar with,

NOTE Confidence: 0.8495939

00:30:16.410 --> 00:30:17.754 including things like tobacco.

NOTE Confidence: 0.8495939

00:30:17.754 --> 00:30:19.434 There is a small cigarette.

NOTE Confidence: 0.8495939

00:30:19.440 --> 00:30:21.115 Smoking is a small risk

NOTE Confidence: 0.8495939

00:30:21.115 --> 00:30:22.120 associated with alcohol.

NOTE Confidence: 0.8495939

00:30:22.120 --> 00:30:23.185 Use H Pie.

NOTE Confidence: 0.8495939

00:30:23.185 --> 00:30:24.960 Laurie infection of the stomach

NOTE Confidence: 0.8495939

00:30:24.960 --> 00:30:27.104 and some of our opportunities

NOTE Confidence: 0.8495939

00:30:27.104 --> 00:30:29.369 have been associated with that.

NOTE Confidence: 0.8495939

00:30:29.370 --> 00:30:31.120 Through a mechanism of inflammation,

NOTE Confidence: 0.8495939

00:30:31.120 --> 00:30:32.860 obesity is also risk factors

NOTE Confidence: 0.8495939

00:30:32.860 --> 00:30:33.904 for pancreatic cancer,

NOTE Confidence: 0.8495939

00:30:33.910 --> 00:30:36.205 as it is for a variety of other cancers

NOTE Confidence: 0.8495939

00:30:36.205 --> 00:30:37.858 we've already already mentioned

NOTE Confidence: 0.8495939

00:30:37.858 --> 00:30:40.540 pancreatitis or inflammation of the pancreas.

NOTE Confidence: 0.86166155

00:30:40.540 --> 00:30:43.672 And then we'll come back to this issue of

NOTE Confidence: 0.86166155

00:30:43.672 --> 00:30:46.464 diabetes in the risk of how diabetes plays,

NOTE Confidence: 0.86166155

00:30:46.470 --> 00:30:48.934 let me just finish up that how

NOTE Confidence: 0.86166155

00:30:48.934 --> 00:30:51.510 diabetes plays a role in the

NOTE Confidence: 0.86166155

00:30:51.510 --> 00:30:53.434 development of pancreatic cancer.

NOTE Confidence: 0.86166155

00:30:53.440 --> 00:30:55.300 There are some things that we

NOTE Confidence: 0.86166155

00:30:55.300 --> 00:30:56.875 have very little influence on

NOTE Confidence: 0.86166155

00:30:56.875 --> 00:30:58.260 in terms of inherited risk.

NOTE Confidence: 0.86166155

00:30:58.260 --> 00:31:00.360 These are the non modifiable risk factors,

NOTE Confidence: 0.86166155

00:31:00.360 --> 00:31:02.390 including genetics syndromes and found

NOTE Confidence: 0.86166155

00:31:02.390 --> 00:31:05.290 the history which will also come back to.

NOTE Confidence: 0.86166155

00:31:05.290 --> 00:31:07.230 So diabetes and pancreatic cancer

NOTE Confidence: 0.86166155

00:31:07.230 --> 00:31:09.170 is a very complex subject.

NOTE Confidence: 0.86166155

00:31:09.170 --> 00:31:10.722 Diabetes is quite common,

NOTE Confidence: 0.86166155

00:31:10.722 --> 00:31:11.886 and for sure,

NOTE Confidence: 0.86166155

00:31:11.890 --> 00:31:14.290 diabetes can increase the risk of

NOTE Confidence: 0.86166155

00:31:14.290 --> 00:31:16.321 developing Packer account credit cancer

NOTE Confidence: 0.86166155

00:31:16.321 --> 00:31:18.869 so that factor has been well established.

NOTE Confidence: 0.86166155

00:31:18.870 --> 00:31:21.252 But it's also now appreciated that

NOTE Confidence: 0.86166155

00:31:21.252 --> 00:31:23.640 pancreatic cancer in itself can result

NOTE Confidence: 0.86166155

00:31:23.640 --> 00:31:25.848 in diabetes and affect blood sugar,

NOTE Confidence: 0.86166155

00:31:25.850 --> 00:31:28.530 and so diabetes can in fact be a

NOTE Confidence: 0.86166155

00:31:28.530 --> 00:31:30.510 presentation for pancreatic cancer.

NOTE Confidence: 0.86166155

00:31:30.510 --> 00:31:32.838 It is a very complex area,

NOTE Confidence: 0.86166155

00:31:32.840 --> 00:31:35.180 and there's a lot of combined

NOTE Confidence: 0.86166155

00:31:35.180 --> 00:31:37.190 and shared risk factors like.

NOTE Confidence: 0.86166155

00:31:37.190 --> 00:31:38.330 Obesity and insulin resistance

NOTE Confidence: 0.86166155

00:31:38.330 --> 00:31:40.440 and age and so on so forth.

NOTE Confidence: 0.86166155

00:31:40.440 --> 00:31:44.202 And we're still teasing apart a lot of it.

NOTE Confidence: 0.86166155

00:31:44.210 --> 00:31:46.958 A fairly large study that was

NOTE Confidence: 0.86166155

00:31:46.958 --> 00:31:49.490 done several years back of 512.

NOTE Confidence: 0.86166155

00:31:49.490 --> 00:31:51.338 Newly diagnosed pancreatic ductal

NOTE Confidence: 0.86166155

00:31:51.338 --> 00:31:53.186 adenocarcinoma patients showed that

NOTE Confidence: 0.86166155

00:31:53.186 --> 00:31:56.194 somewhere about 85% of all patients had

NOTE Confidence: 0.86166155

00:31:56.194 --> 00:31:59.760 some form of elevated fasting blood glucose.

NOTE Confidence: 0.86166155

00:31:59.760 --> 00:32:03.040 Some of them met.

NOTE Confidence: 0.86166155

00:32:03.040 --> 00:32:04.594 American Diabetic Association

NOTE Confidence: 0.86166155

00:32:04.594 --> 00:32:07.702 criteria for new onset diabetes and

NOTE Confidence: 0.86166155

00:32:07.702 --> 00:32:10.713 others also had long lasting as well

NOTE Confidence: 0.86166155

00:32:10.713 --> 00:32:13.133 established ivs and others had kind

NOTE Confidence: 0.86166155

00:32:13.133 --> 00:32:15.702 of prove it what we call prediabetes.

NOTE Confidence: 0.86166155

00:32:15.710 --> 00:32:16.508 But overall,

NOTE Confidence: 0.86166155

00:32:16.508 --> 00:32:19.301 about 85% of all patients with presenting

NOTE Confidence: 0.86166155

00:32:19.301 --> 00:32:21.855 with pancreatic adenocarcinoma had some

NOTE Confidence: 0.86166155

00:32:21.855 --> 00:32:24.460 fasting blood glucose abnormality to

NOTE Confidence: 0.86166155

00:32:24.460 --> 00:32:27.078 tease this out a little bit further,

NOTE Confidence: 0.86166155

00:32:27.080 --> 00:32:29.858 people have actually gone back and

00:32:29.858 --> 00:32:32.968 notice that blood sugars begin to arise.

00:32:32.970 --> 00:32:35.598 About 36 months before the visibility

00:32:35.598 --> 00:32:37.350 of pancreatic ductal adenocarcinoma

00:32:37.410 --> 00:32:38.370 of the pancreas,

00:32:38.370 --> 00:32:40.405 so there's something going on

00:32:40.405 --> 00:32:42.930 in the pancreas at a very,

00:32:42.930 --> 00:32:45.414 very early stage that results in

00:32:45.414 --> 00:32:47.961 the blood glucose rising and the

00:32:47.961 --> 00:32:49.986 body's inability to control it.

00:32:49.990 --> 00:32:50.818 Presenting ultimately,

00:32:50.818 --> 00:32:52.888 in some form of diabetes.

00:32:55.330 --> 00:32:57.634 People often ask about why don't we have

00:32:57.634 --> 00:33:00.010 a blood marker for pancreatic cancer,

00:33:00.010 --> 00:33:02.674 and it's not for lack of trying effect.

00:33:02.680 --> 00:33:04.882 There's a variety of ongoing studies

NOTE Confidence: 0.8792996

00:33:04.882 --> 00:33:06.350 and potentially available blood

NOTE Confidence: 0.8792996

00:33:06.412 --> 00:33:08.572 markers that are out there for a simple

NOTE Confidence: 0.8792996

00:33:08.572 --> 00:33:10.358 blood test for pancreatic cancer.

NOTE Confidence: 0.8792996

00:33:10.360 --> 00:33:12.872 This is one such market that we are

NOTE Confidence: 0.8792996

00:33:12.872 --> 00:33:15.309 actually currently a valid one set of

NOTE Confidence: 0.8792996

00:33:15.309 --> 00:33:16.705 markers we're currently evaluating,

NOTE Confidence: 0.8792996

00:33:16.710 --> 00:33:18.708 but the real challenge is how

NOTE Confidence: 0.8792996

00:33:18.708 --> 00:33:19.707 these markers are.

NOTE Confidence: 0.8792996

00:33:19.710 --> 00:33:21.042 These blood tests behave

NOTE Confidence: 0.8792996

00:33:21.042 --> 00:33:22.374 in the general population,

NOTE Confidence: 0.8792996

00:33:22.380 --> 00:33:24.200 and this is one of the reasons

NOTE Confidence: 0.8792996

00:33:24.200 --> 00:33:26.444 why we don't do currently general

NOTE Confidence: 0.8792996

00:33:26.444 --> 00:33:27.839 population screening for.

NOTE Confidence: 0.8792996

00:33:27.840 --> 00:33:30.168 I gotta cancel like we do for colon

NOTE Confidence: 0.8792996

00:33:30.168 --> 00:33:32.055 cancer or breast cancer and it's

NOTE Confidence: 0.8792996

00:33:32.055 --> 00:33:34.746 just that our the way our tests are

NOTE Confidence: 0.8792996

00:33:34.746 --> 00:33:37.032 designed and due to the relatively

NOTE Confidence: 0.8792996

00:33:37.032 --> 00:33:38.796 low prevalence of the disease

NOTE Confidence: 0.8792996

00:33:38.796 --> 00:33:40.456 compared to these other diseases,

NOTE Confidence: 0.8792996

00:33:40.460 --> 00:33:42.248 it would result in water called

NOTE Confidence: 0.8792996

00:33:42.248 --> 00:33:44.605 a lot of false positives so that

NOTE Confidence: 0.8792996

00:33:44.605 --> 00:33:46.430 the test would be positive.

NOTE Confidence: 0.8792996

00:33:46.430 --> 00:33:48.350 But the vast majority of patients

NOTE Confidence: 0.8792996

00:33:48.350 --> 00:33:50.489 with a positive blood test would in

NOTE Confidence: 0.8792996

00:33:50.489 --> 00:33:52.358 fact not turn out to have cancer

NOTE Confidence: 0.8792996

00:33:52.422 --> 00:33:54.398 or pancreatic cancer specifically,

NOTE Confidence: 0.8792996

00:33:54.400 --> 00:33:57.288 and so we have to get better at

NOTE Confidence: 0.8792996

00:33:57.288 --> 00:33:58.010 managing this.

NOTE Confidence: 0.8792996

00:33:58.010 --> 00:34:00.226 So there's a lot of knowledge about walk.

NOTE Confidence: 0.8792996

00:34:00.230 --> 00:34:01.886 Go into a good blood test,

NOTE Confidence: 0.8792996

00:34:01.890 --> 00:34:04.338 but the problem is how do we deal with

NOTE Confidence: 0.8792996

00:34:04.338 --> 00:34:06.258 that positive blood test and avoid

NOTE Confidence: 0.8792996

00:34:06.258 --> 00:34:08.860 a lot of these false positive tests?

NOTE Confidence: 0.8792996

00:34:08.860 --> 00:34:11.564 And the real approach to this in 2020

NOTE Confidence: 0.8792996

00:34:11.564 --> 00:34:14.459 has been to focus on high risk groups.

NOTE Confidence: 0.8792996

00:34:14.460 --> 00:34:16.210 We've talked about pancreatic system.

NOTE Confidence: 0.8792996

00:34:16.210 --> 00:34:18.334 We talked about diabetes and just

NOTE Confidence: 0.8792996

00:34:18.334 --> 00:34:20.409 for the remaining of the talk,

NOTE Confidence: 0.8792996

00:34:20.410 --> 00:34:22.510 I want to talk about familial

NOTE Confidence: 0.8792996

00:34:22.510 --> 00:34:23.560 pancreatic ductal adenocarcinoma,

NOTE Confidence: 0.8792996

00:34:23.560 --> 00:34:26.010 which makes up about 10% of all

NOTE Confidence: 0.8792996

00:34:26.010 --> 00:34:27.060 presentations for pancreatic

NOTE Confidence: 0.8792996

00:34:27.060 --> 00:34:27.760 ductal carcinoma.

NOTE Confidence: 0.8792996

00:34:27.760 --> 00:34:30.080 If you could go asking if you ask

NOTE Confidence: 0.8792996

00:34:30.080 --> 00:34:32.655 about family history if you go looking

NOTE Confidence: 0.8792996

00:34:32.655 --> 00:34:34.580 for hereditary syndromes or looking

NOTE Confidence: 0.8792996

00:34:34.648 --> 00:34:36.856 for germline mutation in the blood,

NOTE Confidence: 0.8792996

00:34:36.860 --> 00:34:38.880 you'll find some hereditary

NOTE Confidence: 0.8792996

00:34:38.880 --> 00:34:40.900 susceptibility to pancreatic cancer.

NOTE Confidence: 0.8792996

00:34:40.900 --> 00:34:43.876 Now a lot relates to how many first,

NOTE Confidence: 0.8792996

00:34:43.880 --> 00:34:45.860 how many first degree relatives you

NOTE Confidence: 0.8792996

00:34:45.860 --> 00:34:48.291 have and the greater the number of

NOTE Confidence: 0.8792996

00:34:48.291 --> 00:34:50.379 1st degree relatives you have with

NOTE Confidence: 0.8792996

00:34:50.379 --> 00:34:52.089 pancreatic ductal adenocarcinoma.

NOTE Confidence: 0.8792996

00:34:52.090 --> 00:34:54.430 The increased relative risk going from

NOTE Confidence: 0.8792996

00:34:54.430 --> 00:34:57.012 about 4.6 if you've got one first

NOTE Confidence: 0.8792996

00:34:57.012 --> 00:34:59.224 degree relative all the way up to

NOTE Confidence: 0.8792996

00:34:59.298 --> 00:35:01.788 about a 3232 increased relative risk.

NOTE Confidence: 0.8792996

00:35:01.790 --> 00:35:04.394 If you have 3 first degree relatives,

NOTE Confidence: 0.8792996

00:35:04.400 --> 00:35:07.040 normally I would ask people to

NOTE Confidence: 0.8792996

00:35:07.040 --> 00:35:08.800 identify those individuals and

NOTE Confidence: 0.8792996

00:35:08.875 --> 00:35:11.038 I could tell you that this is.

NOTE Confidence: 0.8792996

00:35:11.040 --> 00:35:12.945 President Carter and his brother

NOTE Confidence: 0.8792996

00:35:12.945 --> 00:35:15.599 Billy I believe was his name and

NOTE Confidence: 0.8792996

00:35:15.599 --> 00:35:16.959 The Carter Family is.

NOTE Confidence: 0.8792996

00:35:16.960 --> 00:35:19.472 That is kind of one of the more

NOTE Confidence: 0.8792996

00:35:19.472 --> 00:35:21.868 well known families that had at

NOTE Confidence: 0.8792996

00:35:21.868 --> 00:35:23.983 least eight or nine relatives,

NOTE Confidence: 0.8792996

00:35:23.990 --> 00:35:25.470 all with pancreatic cancer.

NOTE Confidence: 0.8792996

00:35:25.470 --> 00:35:27.320 No identifiable gene was found.

NOTE Confidence: 0.8792996

00:35:27.320 --> 00:35:28.060 President Carter,

NOTE Confidence: 0.8792996

00:35:28.060 --> 00:35:30.280 to the best of our knowledge,

NOTE Confidence: 0.8792996

00:35:30.280 --> 00:35:31.692 never had pancreatic counts,

NOTE Confidence: 0.8792996

00:35:31.692 --> 00:35:34.350 for which he attributes to not smoking,

NOTE Confidence: 0.8792996

00:35:34.350 --> 00:35:36.200 but interesting when we look

NOTE Confidence: 0.8792996

00:35:36.200 --> 00:35:37.680 at these large families,

NOTE Confidence: 0.8792996

00:35:37.680 --> 00:35:39.750 the most common abnormality or

NOTE Confidence: 0.8792996

00:35:39.750 --> 00:35:41.406 germline mutation that's found.

NOTE Confidence: 0.8792996

00:35:41.410 --> 00:35:42.186 But it's.

NOTE Confidence: 0.8792996

00:35:42.186 --> 00:35:45.290 They only found up the order of like

NOTE Confidence: 0.8792996

00:35:45.377 --> 00:35:47.766 20% depending which group you're looking at.

NOTE Confidence: 0.8792996

00:35:47.770 --> 00:35:49.550 Is the bracket two mutation?

NOTE Confidence: 0.8792996

00:35:49.550 --> 00:35:51.150 So still the majority of

NOTE Confidence: 0.8792996

00:35:51.150 --> 00:35:52.750 patients that have a familial

NOTE Confidence: 0.8556675

00:35:52.815 --> 00:35:54.180 pancreatic cancer risk?

NOTE Confidence: 0.8556675

00:35:54.180 --> 00:35:56.892 We do not have a clearly

NOTE Confidence: 0.8556675

00:35:56.892 --> 00:35:59.182 identifiable germline or blood test

NOTE Confidence: 0.8556675

00:35:59.182 --> 00:36:01.919 or mutation that we can look for.

NOTE Confidence: 0.8556675

00:36:01.920 --> 00:36:04.542 So these are the familial syndromes

NOTE Confidence: 0.8556675

00:36:04.542 --> 00:36:06.760 that are associated with pancreatic

NOTE Confidence: 0.8556675

00:36:06.760 --> 00:36:09.118 cancer with respect to kind of

NOTE Confidence: 0.8556675

00:36:09.118 --> 00:36:11.470 the focus of these sessions.

NOTE Confidence: 0.8556675

00:36:11.470 --> 00:36:13.942 Bracco one, but especially bracket two

NOTE Confidence: 0.8556675

00:36:13.942 --> 00:36:17.008 pal between ATM are really the most

NOTE Confidence: 0.8556675

00:36:17.008 --> 00:36:19.702 common German abnormalities that we find.

NOTE Confidence: 0.8556675

00:36:19.710 --> 00:36:22.314 There are a variety of other

NOTE Confidence: 0.8556675

00:36:22.314 --> 00:36:24.492 abnormalities such as Peutz, Jegher,

NOTE Confidence: 0.8556675

00:36:24.492 --> 00:36:26.702 hereditary nonpolyposis colon cancer with

NOTE Confidence: 0.8556675

00:36:26.702 --> 00:36:29.260 abnormalities in the mismatch repair genes.

NOTE Confidence: 0.8556675

00:36:29.260 --> 00:36:32.468 There's a series of jeans that are associated

NOTE Confidence: 0.8556675

00:36:32.468 --> 00:36:34.590 with hereditary pancreatitis which.

NOTE Confidence: 0.8556675

00:36:34.590 --> 00:36:36.050 Results in recurrent attacks

NOTE Confidence: 0.8556675

00:36:36.050 --> 00:36:37.145 of acute pancreatitis.

NOTE Confidence: 0.8556675

00:36:37.150 --> 00:36:40.444 There's a very high risk gene called AP 16.

NOTE Confidence: 0.8556675

00:36:40.450 --> 00:36:41.180 Mutate mutation,

NOTE Confidence: 0.8556675

00:36:41.180 --> 00:36:43.370 as well as the APC Mutation.

NOTE Confidence: 0.8556675

00:36:43.370 --> 00:36:45.939 But as I said to you before,

NOTE Confidence: 0.8556675

00:36:45.940 --> 00:36:48.824 for a lot of patients with familial

NOTE Confidence: 0.8556675

00:36:48.824 --> 00:36:50.736 pancreatic cancer where we know

NOTE Confidence: 0.8556675

00:36:50.736 --> 00:36:52.836 that it runs in the family's but

NOTE Confidence: 0.8556675

00:36:52.836 --> 00:36:55.803 we just don't have a germline or an

NOTE Confidence: 0.8556675

00:36:55.803 --> 00:36:57.546 identifiable gene in that family.

NOTE Confidence: 0.8556675

00:36:57.546 --> 00:37:00.050 So in 2020 these are the list of

NOTE Confidence: 0.8556675

00:37:00.128 --> 00:37:02.723 individuals that we would offer

NOTE Confidence: 0.8556675

00:37:02.723 --> 00:37:04.799 pancreatic cancer surveillance too.

NOTE Confidence: 0.8556675

00:37:04.800 --> 00:37:07.166 We typically are doing it as part

NOTE Confidence: 0.8556675

00:37:07.166 --> 00:37:08.900 of a research protocol,

NOTE Confidence: 0.8556675

00:37:08.900 --> 00:37:11.676 but you could actually get this as part

NOTE Confidence: 0.8556675

00:37:11.676 --> 00:37:14.479 of standard of care for clinical practice.

NOTE Confidence: 0.8556675

00:37:14.480 --> 00:37:16.706 That is implications for insurance coverage,

NOTE Confidence: 0.8556675

00:37:16.710 --> 00:37:19.038 but we would prefer and strongly

NOTE Confidence: 0.8556675

00:37:19.038 --> 00:37:20.989 recommend individuals do it as

NOTE Confidence: 0.8556675

00:37:20.989 --> 00:37:22.659 part of a research protocol,

NOTE Confidence: 0.8556675

00:37:22.660 --> 00:37:25.859 and we have a variety of research

NOTE Confidence: 0.8556675

00:37:25.859 --> 00:37:28.469 protocols that are open at Yale.

NOTE Confidence: 0.8556675

00:37:28.470 --> 00:37:30.732 The groups that we are primarily

NOTE Confidence: 0.8556675

00:37:30.732 --> 00:37:32.677 interested in are really just

NOTE Confidence: 0.8556675

00:37:32.677 --> 00:37:34.497 coming from the prior table.

NOTE Confidence: 0.8556675

00:37:34.500 --> 00:37:36.756 Include patients with Peutz Jegher syndrome,

NOTE Confidence: 0.8556675

00:37:36.760 --> 00:37:38.272 familial pancreatic cancer individuals.

NOTE Confidence: 0.8556675

00:37:38.272 --> 00:37:39.028 So again,

NOTE Confidence: 0.8556675

00:37:39.030 --> 00:37:40.776 anybody over the age of 55

NOTE Confidence: 0.8556675

00:37:40.776 --> 00:37:43.028 with at least two first degree

NOTE Confidence: 0.8556675

00:37:43.028 --> 00:37:45.060 relatives with pancreatic cancer.

NOTE Confidence: 0.8556675

00:37:45.060 --> 00:37:46.945 Any individual one of those

NOTE Confidence: 0.8556675

00:37:46.945 --> 00:37:47.699 germline mutations,

NOTE Confidence: 0.8556675

00:37:47.700 --> 00:37:50.241 and we do think about high risk

NOTE Confidence: 0.8556675

00:37:50.241 --> 00:37:52.220 German mutations like bracket two,

NOTE Confidence: 0.8556675

00:37:52.220 --> 00:37:53.908 copy to an ATM,

NOTE Confidence: 0.8556675

00:37:53.908 --> 00:37:56.440 but also the other germline mutations

NOTE Confidence: 0.8556675

00:37:56.528 --> 00:37:59.320 such as Braca one and H and peaked.

NOTE Confidence: 0.8556675

00:37:59.320 --> 00:38:01.030 And then that final group

NOTE Confidence: 0.8556675

00:38:01.030 --> 00:38:02.056 of hereditary pancreatitis,

NOTE Confidence: 0.8556675

00:38:02.060 --> 00:38:04.447 which is a less common entity bonus.

NOTE Confidence: 0.8556675

00:38:04.450 --> 00:38:06.340 So this associated with an

NOTE Confidence: 0.8556675

00:38:06.340 --> 00:38:07.852 inherited predisposition to getting

NOTE Confidence: 0.8556675

00:38:07.852 --> 00:38:09.548 recurrent attacks of pancreatitis.

NOTE Confidence: 0.8556675

00:38:09.550 --> 00:38:11.566 As we're about a month ago,

NOTE Confidence: 0.8556675

00:38:11.570 --> 00:38:13.580 we are following about 127 patients.

NOTE Confidence: 0.8556675

00:38:13.580 --> 00:38:16.604 I think we're now up to about 140 again,

NOTE Confidence: 0.8556675

00:38:16.610 --> 00:38:18.584 a large number of these do not

NOTE Confidence: 0.8556675

00:38:18.584 --> 00:38:19.900 have any demonstrable germline

NOTE Confidence: 0.8556675

00:38:19.900 --> 00:38:21.975 abnormality that they've been hurted,

NOTE Confidence: 0.8556675

00:38:21.980 --> 00:38:25.004 and as you can see the breakdown there is,

NOTE Confidence: 0.8556675

00:38:25.010 --> 00:38:28.510 as we've alluded to already.

NOTE Confidence: 0.8556675

00:38:28.510 --> 00:38:30.990 This is one of the interesting things that

NOTE Confidence: 0.8556675

00:38:30.990 --> 00:38:33.659 goes on when we study these individuals.

NOTE Confidence: 0.8556675

00:38:33.660 --> 00:38:35.580 All these individuals get a combination

NOTE Confidence: 0.8556675

00:38:35.580 --> 00:38:37.652 of mris of their pancreas as

NOTE Confidence: 0.8556675

00:38:37.652 --> 00:38:39.487 well as an endoscopic ultrasound,

NOTE Confidence: 0.8556675

00:38:39.490 --> 00:38:41.236 which is a very high resolution

NOTE Confidence: 0.8556675

00:38:41.236 --> 00:38:43.629 imaging study of the pancreas and then

NOTE Confidence: 0.8556675

00:38:43.629 --> 00:38:45.193 obviously biopsying anything that's

NOTE Confidence: 0.8556675

00:38:45.193 --> 00:38:47.380 concerning or or suspicious to us.

NOTE Confidence: 0.8556675

00:38:47.380 --> 00:38:48.970 Research studies in the past

NOTE Confidence: 0.8556675

00:38:48.970 --> 00:38:50.242 have collected pancreatic juice

NOTE Confidence: 0.8556675

00:38:50.242 --> 00:38:51.489 from these individuals,

NOTE Confidence: 0.8556675

00:38:51.490 --> 00:38:53.205 and when some of these

NOTE Confidence: 0.8556675

00:38:53.205 --> 00:38:54.920 individuals have gone to develop,

NOTE Confidence: 0.8556675

00:38:54.920 --> 00:38:56.864 pancreatic cancer were able to go

NOTE Confidence: 0.8556675

00:38:56.864 --> 00:38:59.330 back and look at pancreatic juice.

NOTE Confidence: 0.8556675

00:38:59.330 --> 00:39:01.245 From several years anywhere from

NOTE Confidence: 0.8556675

00:39:01.245 --> 00:39:04.059 4 to 61 months prior to the

NOTE Confidence: 0.8556675

00:39:04.059 --> 00:39:05.699 presentation of the cancer,

NOTE Confidence: 0.8518357

00:39:05.700 --> 00:39:07.980 when the patients imaging was perfectly

NOTE Confidence: 0.8518357

00:39:07.980 --> 00:39:10.387 normal and find some abnormal DNA

NOTE Confidence: 0.8518357

00:39:10.387 --> 00:39:12.853 mutations suggestive of an early tumor.

NOTE Confidence: 0.8518357

00:39:12.860 --> 00:39:15.650 And so the hope is that that might be

NOTE Confidence: 0.8518357

00:39:15.650 --> 00:39:18.092 one strategy for further surveying

NOTE Confidence: 0.8518357

00:39:18.092 --> 00:39:21.176 and selecting out individuals at risk

NOTE Confidence: 0.8518357

00:39:21.254 --> 00:39:23.750 for developing pancreatic cancer.

NOTE Confidence: 0.8518357

00:39:23.750 --> 00:39:27.120 One of the issues that comes up all the time

NOTE Confidence: 0.8518357

00:39:27.198 --> 00:39:30.334 is what effect does this have an outcome?

NOTE Confidence: 0.8518357

00:39:30.340 --> 00:39:32.888 Does this actually improve our ability to

NOTE Confidence: 0.8518357

00:39:32.888 --> 00:39:35.119 detect pancreatic cancer early and improve

NOTE Confidence: 0.8518357

00:39:35.119 --> 00:39:37.285 the overall outcome of these individuals?

NOTE Confidence: 0.8518357

00:39:37.290 --> 00:39:40.434 And this data is really just beginning to

NOTE Confidence: 0.8518357

00:39:40.434 --> 00:39:43.018 accrue because this work has really only

NOTE Confidence: 0.8518357

00:39:43.018 --> 00:39:46.078 been going on for about the last 10 years,

NOTE Confidence: 0.8518357

00:39:46.080 --> 00:39:48.270 and now we're beginning to see

NOTE Confidence: 0.8518357

00:39:48.270 --> 00:39:49.365 long-term survival studies.

NOTE Confidence: 0.8518357

00:39:49.370 --> 00:39:51.645 This is one large study that looked

NOTE Confidence: 0.8518357

00:39:51.645 --> 00:39:53.308 at pancreatic ductal adenocarcinoma

NOTE Confidence: 0.8518357

00:39:53.308 --> 00:39:54.548 diagnosed during.

NOTE Confidence: 0.8518357

00:39:54.550 --> 00:39:56.500 Active surveillance program and stage

NOTE Confidence: 0.8518357

00:39:56.500 --> 00:39:58.988 for stage was associated with improved

NOTE Confidence: 0.8518357

00:39:58.988 --> 00:40:00.896 survival compared to individual.

NOTE Confidence: 0.8518357

00:40:00.900 --> 00:40:03.630 Presenting from a symptomatic perspective,

NOTE Confidence: 0.8518357

00:40:03.630 --> 00:40:06.410 so some promising information that

NOTE Confidence: 0.8518357

00:40:06.410 --> 00:40:09.190 perhaps surveillance is going to

NOTE Confidence: 0.8518357

00:40:09.279 --> 00:40:12.954 improve overall survival for pancreatic

NOTE Confidence: 0.8518357

00:40:12.954 --> 00:40:14.424 ductal adenocarcinoma.

NOTE Confidence: 0.8518357

00:40:14.430 --> 00:40:15.708 So to summarize,

NOTE Confidence: 0.8518357

00:40:15.708 --> 00:40:18.264 then we don't do general population

NOTE Confidence: 0.8518357

00:40:18.264 --> 00:40:21.046 screen like we would do for colon cancer

NOTE Confidence: 0.8518357

00:40:21.046 --> 00:40:23.690 or even for breast cancer per say.

NOTE Confidence: 0.8518357

00:40:23.690 --> 00:40:27.164 We tend to focus on a high risk individuals,

NOTE Confidence: 0.8518357

00:40:27.170 --> 00:40:29.330 particularly looking at high risk

NOTE Confidence: 0.8518357

00:40:29.330 --> 00:40:31.490 individuals with germline mutations or

NOTE Confidence: 0.8518357

00:40:31.550 --> 00:40:33.410 familial risks and those individuals

NOTE Confidence: 0.8518357

00:40:33.410 --> 00:40:36.014 get a combination of mris of their

NOTE Confidence: 0.8518357

00:40:36.014 --> 00:40:38.066 pancreas as well as an endoscopic

NOTE Confidence: 0.8518357

00:40:38.066 --> 00:40:40.190 ultrasound and then it's done on

NOTE Confidence: 0.8518357

00:40:40.190 --> 00:40:42.350 an annual or biannual basis that

NOTE Confidence: 0.8518357

00:40:42.426 --> 00:40:44.656 we're beginning to accrue data.

NOTE Confidence: 0.8518357

00:40:44.660 --> 00:40:47.660 About the benefits of this approach.

NOTE Confidence: 0.8518357

00:40:47.660 --> 00:40:49.920 Pancreatic cysts I mentioned only

NOTE Confidence: 0.8518357

00:40:49.920 --> 00:40:52.180 because they are incredibly common,

NOTE Confidence: 0.8518357

00:40:52.180 --> 00:40:55.582 but do give us an opportunity to

NOTE Confidence: 0.8518357

00:40:55.582 --> 00:40:57.619 visualize these precancerous legions

NOTE Confidence: 0.8518357

00:40:57.619 --> 00:41:00.079 in a subgroup of individuals.

NOTE Confidence: 0.8518357

00:41:00.080 --> 00:41:02.672 And diabetes is an area of

NOTE Confidence: 0.8518357

00:41:02.672 --> 00:41:04.400 incredible interest right now,

NOTE Confidence: 0.8518357

00:41:04.400 --> 00:41:05.693 as another subgroup,

NOTE Confidence: 0.8518357

00:41:05.693 --> 00:41:07.417 particularly new onset diabetes,

NOTE Confidence: 0.8518357

00:41:07.420 --> 00:41:08.740 particularly onset diabetes,

NOTE Confidence: 0.8518357

00:41:08.740 --> 00:41:12.609 in individuals over the age of 50 and above,

NOTE Confidence: 0.8518357

00:41:12.610 --> 00:41:15.445 that may represent an opportunity

NOTE Confidence: 0.8518357

00:41:15.445 --> 00:41:18.280 to find pancreatic cancer early.

NOTE Confidence: 0.8518357

00:41:18.280 --> 00:41:20.698 Folly dust a brief plug for,

NOTE Confidence: 0.8518357

00:41:20.700 --> 00:41:24.212 with the help of Claire and Amy and

NOTE Confidence: 0.8518357

00:41:24.212 --> 00:41:26.849 her colleagues and her colleagues.

NOTE Confidence: 0.8518357

76

00:41:26.850 --> 00:41:28.122 In the counselor prevention

NOTE Confidence: 0.8518357

00:41:28.122 --> 00:41:29.394 group here at Yale,

NOTE Confidence: 0.8518357

00:41:29.400 --> 00:41:31.422 we set up a dedicated pancreatic

NOTE Confidence: 0.8518357

00:41:31.422 --> 00:41:33.114 cancer early detection clinic where

NOTE Confidence: 0.8518357

00:41:33.114 --> 00:41:34.842 we see patients with these sorts

NOTE Confidence: 0.8518357

00:41:34.842 --> 00:41:37.042 of concerns to see whether they are

NOTE Confidence: 0.8518357

00:41:37.042 --> 00:41:38.642 eligible for high risk surveillance

NOTE Confidence: 0.8518357

00:41:38.642 --> 00:41:40.565 or to counseling about their risk

NOTE Confidence: 0.8518357

00:41:40.565 --> 00:41:42.160 with relation to pancreatic cancer.

NOTE Confidence: 0.8518357

00:41:42.160 --> 00:41:44.400 So on that note, I'll thank you.

NOTE Confidence: 0.8411202

00:41:54.440 --> 00:41:54.820 So.

NOTE Confidence: 0.9275833

00:41:59.240 --> 00:42:01.736 So I'm going to get out of here.

NOTE Confidence: 0.9275833

00:42:01.740 --> 00:42:05.000 Screen stop sharing with me OK?

NOTE Confidence: 0.78903234

00:42:44.620 --> 00:42:48.617 Clear I'm pulling up doctor Ferrell slides,

NOTE Confidence: 0.78903234

00:42:48.620 --> 00:42:53.536 click them in there OK. Get out.

NOTE Confidence: 0.78903234

00:42:53.536 --> 00:42:55.939 Do you mind trying again? Fine no.

NOTE Confidence: 0.85312194

00:43:08.030 --> 00:43:09.616 Amy might need to bring them up

NOTE Confidence: 0.85312194

00:43:09.616 --> 00:43:12.340 on your screen if you can. Sure.

NOTE Confidence: 0.81544554

00:43:33.390 --> 00:43:35.518 OK, is everyone able to see that?

NOTE Confidence: 0.81544554

00:43:35.520 --> 00:43:36.732 If you're on you,

NOTE Confidence: 0.81544554

00:43:36.732 --> 00:43:38.732 you can just nod OK, great.

NOTE Confidence: 0.81544554

00:43:38.732 --> 00:43:40.660 So good evening everyone.

NOTE Confidence: 0.81544554

00:43:40.660 --> 00:43:41.872 My name's Amy Kelly.

NOTE Confidence: 0.81544554

00:43:41.872 --> 00:43:43.690 I am a licensed and certified

NOTE Confidence: 0.81544554

00:43:43.756 --> 00:43:45.941 genetic counselor from the smilow

NOTE Confidence: 0.81544554

00:43:45.941 --> 00:43:47.689 cancer genetics and Prevention

NOTE Confidence: 0.81544554

00:43:47.689 --> 00:43:49.553 program and I will be presenting

NOTE Confidence: 0.81544554

00:43:49.553 --> 00:43:51.558 talk that I call yes men two

NOTE Confidence: 0.81544554

00:43:51.558 --> 00:43:53.153 screening for men with hereditary

NOTE Confidence: 0.81544554

00:43:53.153 --> 00:43:55.020 breast and ovarian cancer syndrome.

NOTE Confidence: 0.81544554

00:43:55.020 --> 00:43:56.031 Just the caveat,

NOTE Confidence: 0.81544554

00:43:56.031 --> 00:43:57.716 this is only discussing men

NOTE Confidence: 0.81544554

00:43:57.716 --> 00:44:00.339 who are cisgender and I men who

NOTE Confidence: 0.81544554

00:44:00.339 --> 00:44:01.843 are transgender cisgender would

NOTE Confidence: 0.81544554

00:44:01.843 --> 00:44:03.908 be men who are sign Mail up,

NOTE Confidence: 0.81544554

00:44:03.910 --> 00:44:05.620 earth, transgender or men who

NOTE Confidence: 0.81544554

00:44:05.620 --> 00:44:06.988 are assigned female efforts.

NOTE Confidence: 0.81544554

00:44:06.990 --> 00:44:09.040 So just because it's also

NOTE Confidence: 0.81544554

00:44:09.040 --> 00:44:11.090 where all the information is.

NOTE Confidence: 0.81544554

00:44:11.090 --> 00:44:12.730 So let's dive in.

NOTE Confidence: 0.8605497

00:44:15.490 --> 00:44:17.740 When we talk about hereditary breast

NOTE Confidence: 0.8605497

00:44:17.740 --> 00:44:19.622 and ovarian cancer, sometimes the

NOTE Confidence: 0.8605497

00:44:19.622 --> 00:44:22.254 first thing we think about is women.

NOTE Confidence: 0.8605497

00:44:22.260 --> 00:44:26.556 This is something that can only impact women.

NOTE Confidence: 0.8605497

00:44:26.560 --> 00:44:30.186 But what's actually the case is that

NOTE Confidence: 0.8605497

00:44:30.186 --> 00:44:32.850 hereditary breast and ovarian cancer

NOTE Confidence: 0.8605497

00:44:32.850 --> 00:44:36.392 have cancer risks for women and men.

NOTE Confidence: 0.8605497

00:44:36.400 --> 00:44:37.892 So just to review,

NOTE Confidence: 0.8605497

00:44:37.892 --> 00:44:40.130 when we talk about hereditary cancer,

NOTE Confidence: 0.8605497

00:44:40.130 --> 00:44:42.454 anyone who attended the talk 2 weeks

NOTE Confidence: 0.8605497

00:44:42.454 --> 00:44:44.355 ago about overview of hereditary

NOTE Confidence: 0.8605497

00:44:44.355 --> 00:44:46.465 breast and ovarian cancer syndrome,

NOTE Confidence: 0.8605497

00:44:46.470 --> 00:44:48.708 this might look familiar to you,

NOTE Confidence: 0.8605497

00:44:48.710 --> 00:44:50.570 but most cancer this diagnosis

NOTE Confidence: 0.8605497

00:44:50.570 --> 00:44:51.686 is not hereditary.

NOTE Confidence: 0.8605497

00:44:51.690 --> 00:44:54.294 Most of it is we call sporadic.

NOTE Confidence: 0.8605497

00:44:54.300 --> 00:44:56.918 So due to random chance aging environment.

NOTE Confidence: 0.8605497

00:44:56.920 --> 00:44:59.930 But in some families we can see bed flags for

NOTE Confidence: 0.8605497

00:45:00.000 --> 00:45:02.880 hereditary cancer such as cancer diagnosis,

NOTE Confidence: 0.8605497

00:45:02.880 --> 00:45:05.253 add much early ages such as breast

NOTE Confidence: 0.8605497

00:45:05.253 --> 00:45:07.490 cancer or colon cancer diagnosis.

NOTE Confidence: 0.8605497

00:45:07.490 --> 00:45:09.040 Under the age of 50,

NOTE Confidence: 0.8605497

00:45:09.040 --> 00:45:11.091 we can see multiple relatives in one

NOTE Confidence: 0.8605497

00:45:11.091 --> 00:45:13.313 family with this same type of cancer

NOTE Confidence: 0.8605497

00:45:13.313 --> 00:45:15.239 like relatives all with breast cancer,

NOTE Confidence: 0.8605497

00:45:15.240 --> 00:45:16.162 for example.

NOTE Confidence: 0.8605497

00:45:16.162 --> 00:45:18.928 Rare cancers such as ovarian cancer,

NOTE Confidence: 0.8605497

00:45:18.930 --> 00:45:22.278 pancreatic cancer, or male breast cancer.

NOTE Confidence: 0.8605497

00:45:22.280 --> 00:45:24.380 Unusually aggressive cancers such as

NOTE Confidence: 0.8605497

00:45:24.380 --> 00:45:26.914 prostate cancer that has spread or

NOTE Confidence: 0.8605497

00:45:26.914 --> 00:45:29.455 metastasized in different parts of the body.

NOTE Confidence: 0.8605497

00:45:29.460 --> 00:45:31.388 One person having multiple

NOTE Confidence: 0.8605497

00:45:31.388 --> 00:45:33.316 different types of cancer.

NOTE Confidence: 0.8605497

00:45:33.320 --> 00:45:35.840 And we know that Ashkenazi or Eastern

NOTE Confidence: 0.8605497

00:45:35.840 --> 00:45:37.694 European Jewish individuals have a

NOTE Confidence: 0.8605497

00:45:37.694 --> 00:45:39.469 higher likelihood of having hereditary

NOTE Confidence: 0.8605497

00:45:39.469 --> 00:45:41.480 breast and ovarian cancer syndrome.

NOTE Confidence: 0.8174673

00:45:43.840 --> 00:45:46.520 So you may ask what causes hereditary cancer?

00:45:46.520 --> 00:45:48.195 What causes fried trade breast

00:45:48.195 --> 00:45:49.535 over in cancer syndrome?

00:45:49.540 --> 00:45:53.203 So if you see this and that's a gene.

00:45:53.210 --> 00:45:55.639 We have what we call cancer prevention

00:45:55.639 --> 00:45:58.247 jeans in all the cells of our body.

00:45:58.250 --> 00:45:59.930 We all have these jeans.

00:45:59.930 --> 00:46:01.964 So when we talk about hereditary

00:46:01.964 --> 00:46:04.032 breast and ovarian cancer would really

00:46:04.032 --> 00:46:05.964 talking about someone that is born

00:46:05.964 --> 00:46:08.006 with an inherited mutation in that

00:46:08.006 --> 00:46:10.428 gene which is a harmful change that

00:46:10.428 --> 00:46:12.936 makes that gene not work correctly?

00:46:12.940 --> 00:46:15.468 In someone who is born or is inherited,

00:46:15.470 --> 00:46:18.186 this mutation has an increased risk of

00:46:18.186 --> 00:46:20.090 developing certain types of cancers.

00:46:20.090 --> 00:46:23.072 So really it is from this single

NOTE Confidence: 0.8174673

00:46:23.072 --> 00:46:23.924 genetic predisposition.

NOTE Confidence: 0.8174673

00:46:23.930 --> 00:46:26.354 This single gene mutation that we

NOTE Confidence: 0.8174673

00:46:26.354 --> 00:46:29.155 can see multiple cancer risks from

NOTE Confidence: 0.8174673

00:46:29.155 --> 00:46:31.375 one inherited cancer predisposition.

NOTE Confidence: 0.8174673

00:46:31.380 --> 00:46:33.564 So when I think about hereditary

NOTE Confidence: 0.8174673

00:46:33.564 --> 00:46:35.020 breast and ovarian cancer,

NOTE Confidence: 0.8174673

00:46:35.020 --> 00:46:37.404 I really just think of it as almost

NOTE Confidence: 0.8174673

00:46:37.404 --> 00:46:40.076 in an umbrella term is not only

NOTE Confidence: 0.8174673

00:46:40.076 --> 00:46:42.660 related to breast and ovarian cancer.

NOTE Confidence: 0.8174673

00:46:42.660 --> 00:46:45.215 Risk is related to multiple other cancer

NOTE Confidence: 0.8174673

00:46:45.215 --> 00:46:47.028 risks, including female breast cancer,

NOTE Confidence: 0.8174673

00:46:47.028 --> 00:46:48.114 male breast cancer,

NOTE Confidence: 0.8174673

00:46:48.120 --> 00:46:49.212 pancreatic cancer, Melanoma,

NOTE Confidence: 0.8174673

00:46:49.212 --> 00:46:51.026 ovarian cancer, and prostate cancer,

NOTE Confidence: 0.8174673

00:46:51.026 --> 00:46:53.198 and you can see these are

NOTE Confidence: 0.8174673

00:46:53.198 --> 00:46:55.039 cancers that can impact them.

NOTE Confidence: 0.8628547

00:46:57.710 --> 00:46:59.288 One also thing is important to

NOTE Confidence: 0.8628547

00:46:59.288 --> 00:47:01.343 know is sometimes that there is an

NOTE Confidence: 0.8628547

00:47:01.343 --> 00:47:03.245 understanding that only women can inherit

NOTE Confidence: 0.8628547

00:47:03.245 --> 00:47:04.959 hereditary breast ovarian cancer risk,

NOTE Confidence: 0.8628547

00:47:04.960 --> 00:47:06.864 or only women can pass on this

NOTE Confidence: 0.8628547

00:47:06.864 --> 00:47:08.280 risk with their children.

NOTE Confidence: 0.8628547

00:47:08.280 --> 00:47:10.602 But we know that men and women can pass

NOTE Confidence: 0.8628547

00:47:10.602 --> 00:47:12.948 on as well as in here it hereditary

NOTE Confidence: 0.8628547

00:47:12.948 --> 00:47:15.230 cancer risk or single gene mutations,

NOTE Confidence: 0.8628547

00:47:15.230 --> 00:47:17.820 because when someone has a child we

NOTE Confidence: 0.8628547

00:47:17.820 --> 00:47:20.870 pass on half of our genes to both of

NOTE Confidence: 0.8628547

00:47:20.870 --> 00:47:23.729 our sons as well as to her daughters.

NOTE Confidence: 0.8628547

00:47:23.730 --> 00:47:25.375 So, knowing someone's family history

NOTE Confidence: 0.8628547

00:47:25.375 --> 00:47:27.340 could be very important to know.

NOTE Confidence: 0.8628547

00:47:27.340 --> 00:47:29.296 Whether or not someone should have

NOTE Confidence: 0.8628547

00:47:29.296 --> 00:47:31.076 genetic testing and whether or not

NOTE Confidence: 0.8628547

00:47:31.076 --> 00:47:32.756 they could be at risk of having a

NOTE Confidence: 0.8628547

00:47:32.814 --> 00:47:34.918 hereditary predisposition weather there.

NOTE Confidence: 0.8628547

00:47:34.920 --> 00:47:38.034 Whether you're a man or a woman looking at

NOTE Confidence: 0.8628547

00:47:38.034 --> 00:47:41.180 the whole family history cannot impacts.

NOTE Confidence: 0.8628547

00:47:41.180 --> 00:47:43.316 So let's talk about the specific

NOTE Confidence: 0.8628547

00:47:43.316 --> 00:47:45.568 cancers that we can see in men.

NOTE Confidence: 0.8628547

00:47:45.570 --> 00:47:48.950 So one that we can see is male breast cancer.

NOTE Confidence: 0.8628547

00:47:48.950 --> 00:47:49.964 As an overview,

NOTE Confidence: 0.8628547

00:47:49.964 --> 00:47:51.992 male breast cancer is quite rare,

NOTE Confidence: 0.8628547

00:47:52.000 --> 00:47:54.362 makes up only about 1% of all

NOTE Confidence: 0.8628547

00:47:54.362 --> 00:47:55.706 breast cancer that's diagnosed.

NOTE Confidence: 0.8628547

00:47:55.710 --> 00:47:58.414 It impacts one out of 830 three men,

NOTE Confidence: 0.8628547

00:47:58.420 --> 00:47:59.824 just as a comparison,

NOTE Confidence: 0.8628547

00:47:59.824 --> 00:48:01.579 breast cancer in women impacts

NOTE Confidence: 0.8628547

00:48:01.579 --> 00:48:03.150 about one in eight women,

NOTE Confidence: 0.8628547

00:48:03.150 --> 00:48:05.684 so we can see breast cancer in

NOTE Confidence: 0.8628547

00:48:05.684 --> 00:48:07.890 men is much less common.

NOTE Confidence: 0.8628547

00:48:07.890 --> 00:48:10.642 We do see a slightly higher prevalence of

NOTE Confidence: 0.8628547

00:48:10.642 --> 00:48:13.407 male breast cancer in African American men.

NOTE Confidence: 0.8628547

00:48:13.410 --> 00:48:15.618 We can we compare to other

NOTE Confidence: 0.8628547

00:48:15.618 --> 00:48:17.090 ethnicities such as Caucasians,

NOTE Confidence: 0.8628547

00:48:17.090 --> 00:48:17.660 Hispanics,

NOTE Confidence: 0.8628547

00:48:17.660 --> 00:48:21.650 and as well as specific Pacific Islanders.

NOTE Confidence: 0.8628547

00:48:21.650 --> 00:48:23.390 We see risk avail breast cancer

NOTE Confidence: 0.8628547

00:48:23.390 --> 00:48:24.550 as men get older.

NOTE Confidence: 0.8628547

00:48:24.550 --> 00:48:26.000 The average age of diagnosis

NOTE Confidence: 0.8628547

00:48:26.000 --> 00:48:27.450 is about 68 years old,

NOTE Confidence: 0.8628547

00:48:27.450 --> 00:48:28.860 alittle bit older than the

NOTE Confidence: 0.8628547

00:48:28.860 --> 00:48:30.640 average age of diagnosis in women.

NOTE Confidence: 0.8628547

00:48:30.640 --> 00:48:33.608 The average age for women to be

NOTE Confidence: 0.8628547

00:48:33.608 --> 00:48:36.487 diagnosed with breast cancer is about 62.

NOTE Confidence: 0.8628547

00:48:36.490 --> 00:48:36.783 Well,

NOTE Confidence: 0.8628547

00:48:36.783 --> 00:48:38.834 we also notice about male breast cancer

NOTE Confidence: 0.8628547

00:48:38.834 --> 00:48:41.334 is that it is more often diagnosed at a

NOTE Confidence: 0.8628547

00:48:41.334 --> 00:48:43.740 later stage than with breast cancer in women.

NOTE Confidence: 0.8628547

00:48:43.740 --> 00:48:45.480 And when I say later stage,

NOTE Confidence: 0.8628547

00:48:45.480 --> 00:48:47.398 I mean that it may be diagnosed

NOTE Confidence: 0.8628547

00:48:47.398 --> 00:48:48.960 with a larger tumor size.

NOTE Confidence: 0.8628547

00:48:48.960 --> 00:48:50.836 The cancer may have involved the lymph

NOTE Confidence: 0.8628547

00:48:50.836 --> 00:48:52.440 nodes and possibly have metastases,

NOTE Confidence: 0.8628547

00:48:52.440 --> 00:48:53.890 meaning that has spread to

NOTE Confidence: 0.8628547

00:48:53.890 --> 00:48:55.340 other parts of the body,

NOTE Confidence: 0.8628547

00:48:55.340 --> 00:48:59.020 such as the bones or the brain or the logs.

NOTE Confidence: 0.8628547

00:48:59.020 --> 00:49:01.456 Reason for this is not quite clear

NOTE Confidence: 0.8628547

00:49:01.456 --> 00:49:03.529 is possible that given its rarity

NOTE Confidence: 0.8628547

00:49:03.529 --> 00:49:05.769 there may be less of a general

NOTE Confidence: 0.8628547

00:49:05.846 --> 00:49:08.184 awareness among men and also of course

NOTE Confidence: 0.8628547

00:49:08.184 --> 00:49:10.300 for men in the general population.

NOTE Confidence: 0.8628547

00:49:10.300 --> 00:49:12.150 There's no annual screening that

NOTE Confidence: 0.8628547

00:49:12.150 --> 00:49:14.301 is recommended as is for women in

NOTE Confidence: 0.8628547

00:49:14.301 --> 00:49:15.656 the general population with their

NOTE Confidence: 0.8628547

00:49:15.711 --> 00:49:16.649 annual mammograms.

NOTE Confidence: 0.8471418

00:49:18.740 --> 00:49:20.996 An male breast cancer female breast

NOTE Confidence: 0.8471418

00:49:20.996 --> 00:49:23.199 cancer appear biologically to be similar,

NOTE Confidence: 0.8471418

00:49:23.200 --> 00:49:25.432 but there may be some pathological

NOTE Confidence: 0.8471418

00:49:25.432 --> 00:49:26.773 differences. As an example,

NOTE Confidence: 0.8471418

00:49:26.773 --> 00:49:29.020 one study suggests that male breast cancer

NOTE Confidence: 0.8471418

00:49:29.079 --> 00:49:31.389 is exclusively hormone receptor positive.

NOTE Confidence: 0.8471418

00:49:31.390 --> 00:49:34.366 So what that means is that hormones in

NOTE Confidence: 0.8471418

00:49:34.366 --> 00:49:36.810 the body, like estrogen and progesterone,

NOTE Confidence: 0.8471418

00:49:36.810 --> 00:49:39.360 that men and women have that

NOTE Confidence: 0.8471418

00:49:39.440 --> 00:49:40.928 breast cancer in men.

NOTE Confidence: 0.8471418

00:49:40.930 --> 00:49:41.986 These hormones almost

NOTE Confidence: 0.8471418

00:49:41.986 --> 00:49:43.394 exclusively are the tumor.

NOTE Confidence: 0.8471418

00:49:43.400 --> 00:49:46.088 Depends on these hormones to grow.

NOTE Confidence: 0.8471418

00:49:46.090 --> 00:49:48.142 One receptor positive breast cancer is

NOTE Confidence: 0.8471418

00:49:48.142 --> 00:49:50.469 the more common breast cancer in women,

NOTE Confidence: 0.8471418

00:49:50.470 --> 00:49:53.454 but we can sometimes see in women with

NOTE Confidence: 0.8471418

00:49:53.454 --> 00:49:55.840 hormone receptor negative breast cancer.

NOTE Confidence: 0.8471418

00:49:55.840 --> 00:49:57.440 Clearly more research is needed,

NOTE Confidence: 0.8471418

00:49:57.440 --> 00:50:00.320 given that it is a more rare cancer type.

NOTE Confidence: 0.86812973

00:50:02.950 --> 00:50:05.238 We know also about male breast cancer is

NOTE Confidence: 0.86812973

00:50:05.238 --> 00:50:07.810 a family history of either female or male.

NOTE Confidence: 0.86812973

00:50:07.810 --> 00:50:09.826 Breast cancer may impact the man's risk

NOTE Confidence: 0.86812973

00:50:09.826 --> 00:50:11.460 of developing breast cancer himself,

NOTE Confidence: 0.86812973

00:50:11.460 --> 00:50:13.683 so the risk could be up to 2 1/2

NOTE Confidence: 0.86812973

00:50:13.683 --> 00:50:16.016 times that of the general population.

NOTE Confidence: 0.86812973

00:50:16.020 --> 00:50:18.645 If a man has a family history

NOTE Confidence: 0.86812973

00:50:18.645 --> 00:50:19.770 of breast cancer.

NOTE Confidence: 0.86812973

00:50:19.770 --> 00:50:22.497 In this risk may increase if a man has

NOTE Confidence: 0.86812973

00:50:22.497 --> 00:50:24.740 multiple relatives with breast cancer,

NOTE Confidence: 0.86812973

00:50:24.740 --> 00:50:25.805 particularly breast cancer.

NOTE Confidence: 0.86812973

00:50:25.805 --> 00:50:26.870 That's early onset,

NOTE Confidence: 0.86812973

00:50:26.870 --> 00:50:29.000 meaning under the age of 50,

NOTE Confidence: 0.86812973

00:50:29.000 --> 00:50:31.744 and that could possibly increase a man's

NOTE Confidence: 0.86812973

00:50:31.744 --> 00:50:37.270 risk five times that again 5 * 1 out of 833.

NOTE Confidence: 0.86812973

00:50:37.270 --> 00:50:39.656 It interested meet about 20% of men

NOTE Confidence: 0.86812973

00:50:39.656 --> 00:50:41.624 with breast cancer have a first

NOTE Confidence: 0.86812973

00:50:41.624 --> 00:50:43.500 degree relative with breast cancer,

NOTE Confidence: 0.86812973

00:50:43.500 --> 00:50:45.570 so whether that's a man's mother,

NOTE Confidence: 0.86812973

00:50:45.570 --> 00:50:46.834 his sister, his father,

NOTE Confidence: 0.86812973

00:50:46.834 --> 00:50:49.380 so there is clearly a familial component.

00:50:49.380 --> 00:50:50.086 So unsurprisingly,

00:50:50.086 --> 00:50:51.851 when we talk about hereditary

00:50:51.851 --> 00:50:53.190 breast cancer in men,

00:50:53.190 --> 00:50:55.674 which again is caused by that

00:50:55.674 --> 00:50:56.916 single gene mutation.

00:50:56.920 --> 00:50:57.976 We not we.

00:50:57.976 --> 00:51:00.088 There is some studies that suggest

00:51:00.088 --> 00:51:01.683 that inherited gene mutations

00:51:01.683 --> 00:51:04.399 can be explained for up to 40%

00:51:04.400 --> 00:51:06.990 of all male breast cancer.

00:51:06.990 --> 00:51:09.744 Of course you can see this is quite a

00:51:09.744 --> 00:51:12.770 range and as research can be contradictory.

00:51:12.770 --> 00:51:14.516 But as clearly seeing male breast

00:51:14.516 --> 00:51:16.525 cancer alone in a family is

00:51:16.525 --> 00:51:18.097 indicates genetic testing 'cause

NOTE Confidence: 0.86812973

00:51:18.097 --> 00:51:20.146 there doesn't increase the risk

NOTE Confidence: 0.86812973

00:51:20.146 --> 00:51:21.790 of a hereditary predisposition.

NOTE Confidence: 0.8234645

00:51:24.860 --> 00:51:26.876 So the two genes and we're going to

NOTE Confidence: 0.8234645

00:51:26.876 --> 00:51:29.182 hear a lot about tonight are the ones

NOTE Confidence: 0.8234645

00:51:29.182 --> 00:51:31.499 that are the most well studied and

NOTE Confidence: 0.8234645

00:51:31.499 --> 00:51:33.701 are the most well associated with

NOTE Confidence: 0.8234645

00:51:33.701 --> 00:51:35.298 hereditary breast and ovarian cancer,

NOTE Confidence: 0.8234645

00:51:35.298 --> 00:51:37.140 as well as risk for men.

NOTE Confidence: 0.8234645

00:51:37.140 --> 00:51:40.210 They are the BRC A1 in the RCA two genes,

NOTE Confidence: 0.8234645

00:51:40.210 --> 00:51:42.046 more colloquially called the bracket jeans,

NOTE Confidence: 0.8234645

00:51:42.050 --> 00:51:44.746 men with a BRC one mutation have a

NOTE Confidence: 0.8234645

00:51:44.746 --> 00:51:47.102 between a 1 to 5% lifetime risk to

NOTE Confidence: 0.8234645

00:51:47.102 --> 00:51:49.226 develop male breast cancer and then

NOTE Confidence: 0.8234645

00:51:49.226 --> 00:51:51.131 with the RSA two mutation have a

NOTE Confidence: 0.8234645

00:51:51.131 --> 00:51:53.152 5 to 10% lifetime risk to develop

NOTE Confidence: 0.8234645

00:51:53.152 --> 00:51:55.060 male breast cancer be RCA 2.

NOTE Confidence: 0.8234645

00:51:55.060 --> 00:51:57.625 I would say is the big one for men.

NOTE Confidence: 0.8234645

00:51:57.630 --> 00:51:59.894 The risk for men and their types of

NOTE Confidence: 0.8234645

00:51:59.894 --> 00:52:01.635 different types of cancer does is

NOTE Confidence: 0.8234645

00:52:01.635 --> 00:52:03.786 higher than that, with the RCA one.

NOTE Confidence: 0.8234645

00:52:03.786 --> 00:52:07.070 So even though most men with a beer same

NOTE Confidence: 0.8234645

00:52:07.070 --> 00:52:09.548 mutation will not develop breast cancer,

NOTE Confidence: 0.8234645

00:52:09.550 --> 00:52:11.150 there is a significantly increased

NOTE Confidence: 0.8234645

00:52:11.150 --> 00:52:12.750 risk when compared to that

NOTE Confidence: 0.8234645

00:52:12.809 --> 00:52:14.069 general population risk.

NOTE Confidence: 0.8234645

00:52:14.070 --> 00:52:18.445 Again, that one out of 833 approximately.

NOTE Confidence: 0.8234645

00:52:18.450 --> 00:52:20.375 There are other breast cancer

NOTE Confidence: 0.8234645

00:52:20.375 --> 00:52:22.300 genes that can possibly cause

NOTE Confidence: 0.8234645

00:52:22.373 --> 00:52:24.396 a risk of breast cancer in men.

NOTE Confidence: 0.8234645

00:52:24.400 --> 00:52:26.150 Those risks aren't well defined.

NOTE Confidence: 0.8234645

00:52:26.150 --> 00:52:27.900 We still need more studies.

NOTE Confidence: 0.8234645

00:52:27.900 --> 00:52:30.161 There is one another high risk gene's

NOTE Confidence: 0.8234645

00:52:30.161 --> 00:52:32.566 called Pal B2 that's related to high

NOTE Confidence: 0.8234645

00:52:32.566 --> 00:52:35.066 risk for breast cancer in women and

NOTE Confidence: 0.8234645

00:52:35.066 --> 00:52:37.346 two moderate risk breast cancer genes,

NOTE Confidence: 0.8234645

00:52:37.350 --> 00:52:40.094 called check to an ATM that possibly could

NOTE Confidence: 0.8234645

00:52:40.094 --> 00:52:42.950 have a role for breast cancer in men.

NOTE Confidence: 0.8452234

00:52:45.860 --> 00:52:48.396 So when we talk about the screening again,

NOTE Confidence: 0.8452234

00:52:48.400 --> 00:52:50.380 I'm going to be mainly talking

NOTE Confidence: 0.8452234

00:52:50.380 --> 00:52:52.057 about screening for men with

NOTE Confidence: 0.8452234

00:52:52.057 --> 00:52:53.785 BRC one and B RC2 mutations.

NOTE Confidence: 0.8452234

00:52:53.790 --> 00:52:55.704 'cause that's where most of our

NOTE Confidence: 0.8452234

00:52:55.704 --> 00:52:57.270 data and our guidelines are.

NOTE Confidence: 0.8452234

00:52:57.270 --> 00:52:59.232 But based on the national comprehensive

NOTE Confidence: 0.8452234

00:52:59.232 --> 00:53:01.821 cancer network or we call NCCN is where we

NOTE Confidence: 0.8452234

00:53:01.821 --> 00:53:04.249 get the majority of our screening guidelines.

NOTE Confidence: 0.8452234

00:53:04.250 --> 00:53:06.506 Men are recommended at each 35 to begin

NOTE Confidence: 0.8452234

00:53:06.506 --> 00:53:08.677 breast self exam training and education,

NOTE Confidence: 0.8452234

00:53:08.680 --> 00:53:11.160 so that could be just being aware of

NOTE Confidence: 0.8452234

00:53:11.160 --> 00:53:13.121 their chest wall, noticing any lumps,

NOTE Confidence: 0.8452234

00:53:13.121 --> 00:53:14.706 bumps changed in the nipple,

NOTE Confidence: 0.8452234

00:53:14.710 --> 00:53:15.906 redness of the nipple,

NOTE Confidence: 0.8452234

00:53:15.906 --> 00:53:18.210 and a scaly skin on the nipple

NOTE Confidence: 0.8452234

00:53:18.210 --> 00:53:19.527 or nipple discharge.

NOTE Confidence: 0.8452234

00:53:19.530 --> 00:53:20.355 In the brain,

NOTE Confidence: 0.8452234

00:53:20.355 --> 00:53:22.005 after their doctor and then having

NOTE Confidence: 0.8452234

00:53:22.005 --> 00:53:24.037 an annual clinical breast exam with

NOTE Confidence: 0.8452234

00:53:24.037 --> 00:53:26.170 their primary care provider at age 35,

NOTE Confidence: 0.8452234

00:53:26.170 --> 00:53:28.900 again to look for any changes in

NOTE Confidence: 0.8452234

00:53:28.900 --> 00:53:31.248 the breast tissue or chest wall.

NOTE Confidence: 0.8452234

00:53:31.250 --> 00:53:32.990 At this point in time,

NOTE Confidence: 0.8452234

00:53:32.990 --> 00:53:34.976 the NCCN guidelines is not recommend

NOTE Confidence: 0.8452234

00:53:34.976 --> 00:53:36.300 mammography screening for men

NOTE Confidence: 0.8452234

00:53:36.354 --> 00:53:37.858 unless they have gynecomastia,

NOTE Confidence: 0.8452234

00:53:37.860 --> 00:53:40.296 which is men have enlarged breast tissue,

NOTE Confidence: 0.8452234

00:53:40.300 --> 00:53:42.016 in that it would be recommended

NOTE Confidence: 0.8452234

00:53:42.016 --> 00:53:44.454 at age 50 or 10 years younger

NOTE Confidence: 0.8452234

00:53:44.454 --> 00:53:46.499 than the earliest male breast

NOTE Confidence: 0.8452234

00:53:46.499 --> 00:53:48.298 cancer diagnosis in the family,

NOTE Confidence: 0.8452234

00:53:48.300 --> 00:53:49.428 whichever comes first.

NOTE Confidence: 0.8452234

00:53:49.428 --> 00:53:52.060 There have been a couple more recent

NOTE Confidence: 0.8452234

00:53:52.132 --> 00:53:54.267 studies that have been screening

NOTE Confidence: 0.8452234

00:53:54.267 --> 00:53:56.402 men without gynecomastia that have

NOTE Confidence: 0.8452234

00:53:56.474 --> 00:53:58.382 a B or C1 or B or C2 Mutation,

NOTE Confidence: 0.8452234

00:53:58.390 --> 00:54:01.414 and some of that data does suggest them.

NOTE Confidence: 0.8452234

00:54:01.420 --> 00:54:03.275 Matt managers may be helpful

NOTE Confidence: 0.8452234

00:54:03.275 --> 00:54:04.759 in that population so,

NOTE Confidence: 0.8452234

00:54:04.760 --> 00:54:06.979 but at this point in time only

NOTE Confidence: 0.8452234

00:54:06.979 --> 00:54:08.462 annual mammograms are recommended

NOTE Confidence: 0.8452234

00:54:08.462 --> 00:54:10.318 for men with gynecomastia.

NOTE Confidence: 0.8452234

00:54:10.320 --> 00:54:12.546 But stay tuned and this is just

NOTE Confidence: 0.8452234

00:54:12.546 --> 00:54:15.802 image of a man with a B RC2 Mutation

NOTE Confidence: 0.8452234

00:54:15.802 --> 00:54:18.120 who underwent an annual mammogram.

NOTE Confidence: 0.86094576

00:54:21.280 --> 00:54:23.314 The next big cancer we talk

NOTE Confidence: 0.86094576

00:54:23.314 --> 00:54:24.670 about is prostate cancer.

NOTE Confidence: 0.86094576

00:54:24.670 --> 00:54:26.794 So prostate cancer worldwide is the

NOTE Confidence: 0.86094576

00:54:26.794 --> 00:54:28.739 second most common cancer and man.

NOTE Confidence: 0.86094576

00:54:28.740 --> 00:54:31.204 It is very common and it is

NOTE Confidence: 0.86094576

00:54:31.204 --> 00:54:33.316 approximately the 5th leading cause

NOTE Confidence: 0.86094576

00:54:33.316 --> 00:54:35.776 of cancer related death worldwide.

NOTE Confidence: 0.86094576

00:54:35.780 --> 00:54:37.694 One in nine men will be

NOTE Confidence: 0.86094576

00:54:37.694 --> 00:54:38.970 diagnosed with prostate cancer,

NOTE Confidence: 0.86094576

00:54:38.970 --> 00:54:41.514 so it's a very common cancer in men.

NOTE Confidence: 0.86094576

00:54:41.520 --> 00:54:42.552 It is more seen,

NOTE Confidence: 0.86094576

00:54:42.552 --> 00:54:44.854 more often seen in men who are African

NOTE Confidence: 0.86094576

00:54:44.854 --> 00:54:46.912 American and men who are African

NOTE Confidence: 0.86094576

00:54:46.912 --> 00:54:48.688 American may also be diagnosed

NOTE Confidence: 0.86094576

00:54:48.688 --> 00:54:50.746 with a more aggressive type of

NOTE Confidence: 0.86094576

00:54:50.746 --> 00:54:52.550 prostate cancer when compared to

NOTE Confidence: 0.86094576

00:54:52.550 --> 00:54:55.470 other men who are white or Hispanic.

NOTE Confidence: 0.86094576

00:54:55.470 --> 00:54:57.534 And we also see increasing age can be

NOTE Confidence: 0.86094576

00:54:57.534 --> 00:54:59.698 a risk factor for prostate cancer.

NOTE Confidence: 0.86094576

00:54:59.700 --> 00:55:02.116 The average age diagnosis,

NOTE Confidence: 0.86094576

00:55:02.116 --> 00:55:05.136 prostate cancers around age 66.

NOTE Confidence: 0.86094576

00:55:05.140 --> 00:55:07.282 Most of prostate cancer is what

NOTE Confidence: 0.86094576

00:55:07.282 --> 00:55:08.353 we call indolent,

NOTE Confidence: 0.86094576

00:55:08.360 --> 00:55:10.406 meaning that it may be asymptomatic

NOTE Confidence: 0.86094576

00:55:10.406 --> 00:55:13.399 if it is diagnosed and may only be

NOTE Confidence: 0.86094576

00:55:13.399 --> 00:55:14.963 need routine screening surveillance

NOTE Confidence: 0.86094576

00:55:14.963 --> 00:55:17.455 closely in the beginning and may not

NOTE Confidence: 0.86094576

00:55:17.455 --> 00:55:19.982 require a lot of treatment or surgery.

NOTE Confidence: 0.86094576

00:55:19.982 --> 00:55:20.423 However,

NOTE Confidence: 0.86094576

00:55:20.423 --> 00:55:23.069 prostate cancer rarely can be aggressive.

NOTE Confidence: 0.86094576

00:55:23.070 --> 00:55:25.350 What's used to grade the aggressive

NOTE Confidence: 0.86094576

00:55:25.350 --> 00:55:28.059 prostate cancer is called the Gleason score.

NOTE Confidence: 0.86094576

00:55:28.060 --> 00:55:30.132 And when we see a Gleason score

NOTE Confidence: 0.86094576

00:55:30.132 --> 00:55:32.498 of more at least seven or more,

NOTE Confidence: 0.86094576

00:55:32.500 --> 00:55:34.085 it indicates a more aggressive

NOTE Confidence: 0.86094576

00:55:34.085 --> 00:55:34.719 prostate cancer.

NOTE Confidence: 0.86094576

00:55:34.720 --> 00:55:37.890 So when we see a man with a Gleason score.

NOTE Confidence: 0.86094576

00:55:37.890 --> 00:55:38.979 7 prostate cancer,

NOTE Confidence: 0.86094576

00:55:38.979 --> 00:55:40.794 especially if he has other

NOTE Confidence: 0.86094576

00:55:40.794 --> 00:55:42.610 family history of breast cancer.

NOTE Confidence: 0.86094576

00:55:42.610 --> 00:55:44.006 Prostate cancer, ovarian cancer.

NOTE Confidence: 0.86094576

00:55:44.006 --> 00:55:46.627 We can think maybe there is some

NOTE Confidence: 0.86094576

00:55:46.627 --> 00:55:48.022 hereditary predisposition in

NOTE Confidence: 0.86094576

00:55:48.022 --> 00:55:49.417 particularly metastatic prostate

NOTE Confidence: 0.86094576

00:55:49.417 --> 00:55:51.808 cancer in and of itself alone.

NOTE Confidence: 0.86094576

00:55:51.810 --> 00:55:53.810 Is does increase suspicion if

NOTE Confidence: 0.86094576

00:55:53.810 --> 00:55:55.810 there is a hereditary risk.

NOTE Confidence: 0.86094576

00:55:55.810 --> 00:55:56.610 In fact,

NOTE Confidence: 0.86094576

00:55:56.610 --> 00:55:59.384 one study found that 11.8% of all

NOTE Confidence: 0.86094576

00:55:59.384 --> 00:56:00.932 metastatic prostate cancer patients

NOTE Confidence: 0.86094576

00:56:00.932 --> 00:56:03.396 that were tested had a single

NOTE Confidence: 0.86094576

00:56:03.396 --> 00:56:05.516 genetic or inherited mutation which

NOTE Confidence: 0.86094576

00:56:05.516 --> 00:56:07.410 was significantly higher than men.

NOTE Confidence: 0.86094576

00:56:07.410 --> 00:56:10.210 Who had we call more localized prostate

NOTE Confidence: 0.86094576

00:56:10.210 --> 00:56:12.840 cancer, meaning it had not spread.

NOTE Confidence: 0.86094576

00:56:12.840 --> 00:56:15.840 To other parts of the body.

NOTE Confidence: 0.86094576

00:56:15.840 --> 00:56:17.450 And again with bearsley wannabe

NOTE Confidence: 0.86094576

00:56:17.450 --> 00:56:18.741 receipt to your, say,

NOTE Confidence: 0.86094576

00:56:18.741 --> 00:56:21.309 one of the risk is less well described,

NOTE Confidence: 0.86094576

00:56:21.310 --> 00:56:22.925 but possibly between 17 to

NOTE Confidence: 0.86094576

00:56:22.925 --> 00:56:24.446 23% risk over the lifetime.

NOTE Confidence: 0.86094576

00:56:24.446 --> 00:56:27.008 And VR say to the risk is higher

NOTE Confidence: 0.86094576

00:56:27.008 --> 00:56:29.606 as I mentioned before, say 2 is.

NOTE Confidence: 0.86094576

00:56:29.606 --> 00:56:33.010 Between bare say one in Beerse Tubular State,

NOTE Confidence: 0.86094576

00:56:33.010 --> 00:56:36.500 Two is the one that has higher risks for men.

NOTE Confidence: 0.86094576

00:56:36.500 --> 00:56:38.240 The lifetime hours could be

NOTE Confidence: 0.86094576

00:56:38.240 --> 00:56:41.550 between 23 is 67% lifetime risk.

NOTE Confidence: 0.86094576

00:56:41.550 --> 00:56:44.690 Well, we may also see with men with the beer,

NOTE Confidence: 0.86094576

00:56:44.690 --> 00:56:46.574 say one or two mutation is

NOTE Confidence: 0.86094576

00:56:46.574 --> 00:56:47.830 that particularly dark too?

NOTE Confidence: 0.86094576

00:56:47.830 --> 00:56:49.654 They may be diagnosed under the

NOTE Confidence: 0.86094576

00:56:49.654 --> 00:56:52.228 age of 65 and as we talked about,

NOTE Confidence: 0.86094576

00:56:52.230 --> 00:56:53.795 the average age for prostate

NOTE Confidence: 0.86094576

00:56:53.795 --> 00:56:55.047 cancer diagnosis is 66,

NOTE Confidence: 0.86094576

00:56:55.050 --> 00:56:59.280 so we may see a younger than expected ages.

NOTE Confidence: 0.86094576

00:56:59.280 --> 00:57:01.065 There are other hereditary cancer

NOTE Confidence: 0.86094576

00:57:01.065 --> 00:57:03.206 genes related to breast cancer that

NOTE Confidence: 0.86094576

00:57:03.206 --> 00:57:05.257 may have the risk of prostate cancer.

NOTE Confidence: 0.86094576

00:57:05.260 --> 00:57:05.597 However,

NOTE Confidence: 0.86094576

00:57:05.597 --> 00:57:08.293 that risk is not either not clear or

NOTE Confidence: 0.86094576

00:57:08.293 --> 00:57:11.230 if there is a risk is not well defined.

NOTE Confidence: 0.86094576

00:57:11.230 --> 00:57:13.684 These are two genes I mentioned

NOTE Confidence: 0.86094576

00:57:13.684 --> 00:57:15.803 earlier to moderate risk breast

NOTE Confidence: 0.86094576

00:57:15.803 --> 00:57:18.617 cancer genes called ATM in check too.

NOTE Confidence: 0.86094576

00:57:18.620 --> 00:57:20.384 And there are other jeans that

NOTE Confidence: 0.86094576

00:57:20.384 --> 00:57:21.983 are related to hereditary prostate

NOTE Confidence: 0.86094576

00:57:21.983 --> 00:57:23.798 cancer that actually aren't related

NOTE Confidence: 0.86094576

00:57:23.798 --> 00:57:25.250 to hereditary breast and

NOTE Confidence: 0.8515072

00:57:25.304 --> 00:57:26.619 will bring cancer at all.

NOTE Confidence: 0.8515072

00:57:26.620 --> 00:57:28.168 So that's why it is important

NOTE Confidence: 0.8515072

00:57:28.168 --> 00:57:29.676 for people to be discussing

NOTE Confidence: 0.8515072

00:57:29.676 --> 00:57:31.736 their family histories of cancer.

NOTE Confidence: 0.8250686

00:57:34.640 --> 00:57:35.908 Now, prosecutors screening for

NOTE Confidence: 0.8250686

00:57:35.908 --> 00:57:38.480 men with BR C1N V RC2 mutations.

NOTE Confidence: 0.8250686

00:57:38.480 --> 00:57:40.355 Ansi seeing guideline suggests that

NOTE Confidence: 0.8250686

00:57:40.355 --> 00:57:43.523 when men are 40 years old that they

NOTE Confidence: 0.8250686

00:57:43.523 --> 00:57:45.563 begin having an annual prostate

NOTE Confidence: 0.8250686

00:57:45.563 --> 00:57:47.698 specific antigen or we call PSA blood

NOTE Confidence: 0.8250686

00:57:47.698 --> 00:57:50.036 test as well as a digital rectal exam.

NOTE Confidence: 0.8250686

00:57:50.036 --> 00:57:52.570 The Rectal Exam is to mainly exam

NOTE Confidence: 0.8250686

00:57:52.641 --> 00:57:55.266 the prostate to see if there's any

NOTE Confidence: 0.8250686

00:57:55.266 --> 00:57:57.647 abnormalities and the PSA blood test is

NOTE Confidence: 0.8250686

00:57:57.647 --> 00:58:00.116 used to see if there's any increasing levels.

NOTE Confidence: 0.8250686

00:58:00.116 --> 00:58:01.508 PSA is in Janessa,

NOTE Confidence: 0.8250686

00:58:01.510 --> 00:58:03.445 created by normal prostate tissue

NOTE Confidence: 0.8250686

00:58:03.445 --> 00:58:05.380 as well as prostate cancer.

NOTE Confidence: 0.8250686

00:58:05.380 --> 00:58:07.936 Thinking is that if PSA is rising or is

NOTE Confidence: 0.8250686

00:58:07.936 --> 00:58:10.475 high in May indicate a prostate cancer,

NOTE Confidence: 0.8250686

00:58:10.480 --> 00:58:12.720 but neither of these tests are diagnostic.

NOTE Confidence: 0.8250686

00:58:12.720 --> 00:58:14.100 They are screening tests.

NOTE Confidence: 0.8250686

00:58:14.100 --> 00:58:15.825 There could be other explanations

NOTE Confidence: 0.8250686

00:58:15.825 --> 00:58:17.820 for why there is an elevated PSA.

NOTE Confidence: 0.8250686

00:58:17.820 --> 00:58:20.291 The only way to diagnose the prostate

NOTE Confidence: 0.8250686

00:58:20.291 --> 00:58:22.449 cancers through a prostate biopsy.

NOTE Confidence: 0.8250686

00:58:22.450 --> 00:58:24.473 And this just an image of a

NOTE Confidence: 0.8250686

00:58:24.473 --> 00:58:26.550 man getting a PSA blood tests.

NOTE Confidence: 0.8250686

00:58:26.550 --> 00:58:28.874 So really this screening or is the

NOTE Confidence: 0.8250686

00:58:28.874 --> 00:58:31.058 screen tests beginning at a younger age

NOTE Confidence: 0.8250686

00:58:31.058 --> 00:58:33.121 or used to help detect prostate cancer

NOTE Confidence: 0.8250686

00:58:33.121 --> 00:58:35.368 at a much earlier in treatable stage?

NOTE Confidence: 0.8051904

00:58:37.780 --> 00:58:38.400 Pancreatic cancer.

NOTE Confidence: 0.8051904

00:58:38.400 --> 00:58:40.880 I'm not going to go into much detail

NOTE Confidence: 0.8051904

00:58:40.940 --> 00:58:42.800 with this because I following doctor

NOTE Confidence: 0.8051904

00:58:42.800 --> 00:58:44.890 Ferrell who did an excellent job,

NOTE Confidence: 0.8051904

00:58:44.890 --> 00:58:47.466 but it should put in my 2 cents.

NOTE Confidence: 0.8051904

00:58:47.470 --> 00:58:49.085 So doctor girl talked about

NOTE Confidence: 0.8051904

00:58:49.085 --> 00:58:50.377 the RSA two mutations,

NOTE Confidence: 0.8051904

00:58:50.380 --> 00:58:52.090 which compared which again beer

NOTE Confidence: 0.8051904

00:58:52.090 --> 00:58:54.588 say to the risk life members for

NOTE Confidence: 0.8051904

00:58:54.588 --> 00:58:57.094 pancreatic cancer is between 4 to 8%.

NOTE Confidence: 0.8051904

00:58:57.100 --> 00:58:58.126 You're saying one.

NOTE Confidence: 0.8051904

00:58:58.126 --> 00:59:00.520 Mutations of risk appears to be elevated,

NOTE Confidence: 0.8051904

00:59:00.520 --> 00:59:03.256 but that exact risk is not well defined.

NOTE Confidence: 0.8051904

00:59:03.260 --> 00:59:04.970 It is significantly impacted by

NOTE Confidence: 0.8051904

00:59:04.970 --> 00:59:06.680 family history of pancreatic cancer,

NOTE Confidence: 0.8051904

00:59:06.680 --> 00:59:08.510 so most individuals of USA one

NOTE Confidence: 0.8051904

00:59:08.510 --> 00:59:10.196 and verse 18 mutations will

NOTE Confidence: 0.8051904

00:59:10.196 --> 00:59:11.808 not develop pancreatic cancer.

NOTE Confidence: 0.8051904

00:59:11.810 --> 00:59:14.986 However, if there is a family history as

NOTE Confidence: 0.8051904

00:59:14.986 --> 00:59:17.181 doctor Farrell discussed those with a

NOTE Confidence: 0.8051904

00:59:17.181 --> 00:59:20.330 with a beer stay one or B RC2 Mutation.

NOTE Confidence: 0.8051904

00:59:20.330 --> 00:59:22.070 Would be recommended to consider

NOTE Confidence: 0.8051904

00:59:22.070 --> 00:59:23.810 high risk pancreas screening as

NOTE Confidence: 0.8051904

00:59:23.874 --> 00:59:25.399 part of a research protocol.

NOTE Confidence: 0.8051904

00:59:25.400 --> 00:59:26.076 In addition,

NOTE Confidence: 0.8051904

00:59:26.076 --> 00:59:27.766 these other two genes doctor

NOTE Confidence: 0.8051904

00:59:27.766 --> 00:59:28.780 Farrell mentioned to.

NOTE Confidence: 0.8051904

00:59:28.780 --> 00:59:31.378 These are two genes related to

NOTE Confidence: 0.8051904

00:59:31.378 --> 00:59:33.998 hereditary breast cancer ATM and palb 2.

NOTE Confidence: 0.8051904

00:59:34.000 --> 00:59:36.400 So when we when we have an individual

NOTE Confidence: 0.8051904

00:59:36.400 --> 00:59:38.574 with the bear say one or two

NOTE Confidence: 0.8051904

00:59:38.574 --> 00:59:40.914 mutation probably 2 or ATM in a

NOTE Confidence: 0.8051904

00:59:40.914 --> 00:59:42.829 family history of pancreatic cancer,

NOTE Confidence: 0.8051904

00:59:42.830 --> 00:59:43.978 screening can be considered.

NOTE Confidence: 0.8051904

00:59:43.978 --> 00:59:46.110 Beginning at age 50 or 10 years

NOTE Confidence: 0.8051904

00:59:46.110 --> 00:59:47.865 younger than the earliest pancreatic

NOTE Confidence: 0.8051904

00:59:47.865 --> 00:59:49.700 cancer diagnosis in the family.

NOTE Confidence: 0.8570304

00:59:52.940 --> 00:59:55.220 And finally, Melanoma, so Melanoma is

NOTE Confidence: 0.8570304

00:59:55.220 --> 00:59:57.778 the least common type of skin cancer.

NOTE Confidence: 0.8570304

00:59:57.780 --> 01:00:00.489 But it does have a higher mortale.

NOTE Confidence: 0.8570304

01:00:00.490 --> 01:00:03.311 The rate and it has been increasing

NOTE Confidence: 0.8570304

01:00:03.311 --> 01:00:05.180 incidents from 2001 to 2010.

NOTE Confidence: 0.8570304

01:00:05.180 --> 01:00:07.515 It has increased by 1.6% worldwide

NOTE Confidence: 0.8570304

01:00:07.515 --> 01:00:09.390 and it hadn't even though

NOTE Confidence: 0.8570304

01:00:09.390 --> 01:00:11.440 it's the most least common.

NOTE Confidence: 0.8570304

01:00:11.440 --> 01:00:14.568 The least common skin cancer we would see.

NOTE Confidence: 0.8570304

01:00:14.570 --> 01:00:17.730 It's makes up about 73% of all

NOTE Confidence: 0.8570304

01:00:17.730 --> 01:00:20.150 skin cancer related deaths.

NOTE Confidence: 0.8570304

01:00:20.150 --> 01:00:23.046 In one in 60, three individuals in the

NOTE Confidence: 0.8570304

01:00:23.046 --> 01:00:25.379 United States will develop Melanoma.

NOTE Confidence: 0.8570304

01:00:25.380 --> 01:00:28.305 In the majority of melanomas are on the skin,

NOTE Confidence: 0.8570304

01:00:28.310 --> 01:00:29.940 though Melanoma can develop in

NOTE Confidence: 0.8570304

01:00:29.940 --> 01:00:31.880 rare places such as the eye,

NOTE Confidence: 0.8570304

01:00:31.880 --> 01:00:33.806 over 91% of melanomas are we

NOTE Confidence: 0.8570304

01:00:33.806 --> 01:00:35.460 called cutaneous on the skin,

NOTE Confidence: 0.8570304

01:00:35.460 --> 01:00:37.399 but the second most common would be

NOTE Confidence: 0.8570304

01:00:37.399 --> 01:00:39.679 of the eye called ocular Melanoma,

NOTE Confidence: 0.8570304

01:00:39.680 --> 01:00:42.670 though that is also rare.

NOTE Confidence: 0.8570304

01:00:42.670 --> 01:00:45.680 The biggest risk factors for Melanoma in

NOTE Confidence: 0.8570304

01:00:45.680 --> 01:00:48.000 the general population are fair skin,

NOTE Confidence: 0.8570304

01:00:48.000 --> 01:00:49.640 sun exposure, blistering sunburns,

NOTE Confidence: 0.8570304

01:00:49.640 --> 01:00:51.280 and tanning bed use,

NOTE Confidence: 0.8570304

01:00:51.280 --> 01:00:52.531 particularly fair skin.

NOTE Confidence: 0.8570304

01:00:52.531 --> 01:00:54.616 The incidence of Melanoma and

NOTE Confidence: 0.8570304

01:00:54.616 --> 01:00:56.199 Caucasians is about 2.3%.

NOTE Confidence: 0.8570304

01:00:56.200 --> 01:00:58.726 The risk for African American men

NOTE Confidence: 0.8570304

01:00:58.726 --> 01:01:02.659 is .1 in the men and women and the

NOTE Confidence: 0.8570304

01:01:02.659 --> 01:01:05.350 risk for Hispanic men and women

NOTE Confidence: 0.8570304

01:01:05.350 --> 01:01:08.174 is about point .5% So fair skin is

NOTE Confidence: 0.8570304

01:01:08.174 --> 01:01:09.770 a big risk factor for Melanoma.

NOTE Confidence: 0.85854125

01:01:13.900 --> 01:01:15.657 Well, we know about the essay one

NOTE Confidence: 0.85854125

01:01:15.657 --> 01:01:17.633 beer C2 is that there appears to

NOTE Confidence: 0.85854125

01:01:17.633 --> 01:01:19.379 be a higher risk of Melanoma.

NOTE Confidence: 0.85854125

01:01:19.380 --> 01:01:22.164 But really, that risk is not well defined.

NOTE Confidence: 0.85854125

01:01:22.170 --> 01:01:24.389 Will we has been a small associated

NOTE Confidence: 0.85854125

01:01:24.389 --> 01:01:26.227 risk of ocular Melanoma and

NOTE Confidence: 0.85854125

01:01:26.227 --> 01:01:28.699 individuals with the RCA two mutations?

NOTE Confidence: 0.85854125

01:01:28.700 --> 01:01:31.612 This is not been really seen in

NOTE Confidence: 0.85854125

01:01:31.612 --> 01:01:34.109 individuals of PRC one mutations.

NOTE Confidence: 0.85854125

01:01:34.110 --> 01:01:36.678 At this point in time with the other

NOTE Confidence: 0.85854125

01:01:36.678 --> 01:01:38.870 hereditary breast and ovarian cancer genes,

NOTE Confidence: 0.85854125

01:01:38.870 --> 01:01:40.230 there's not a strong

NOTE Confidence: 0.85854125

01:01:40.230 --> 01:01:41.250 Association with Melanoma.

NOTE Confidence: 0.85854125

01:01:41.250 --> 01:01:43.308 Check two is a moderate risk breast

NOTE Confidence: 0.85854125

01:01:43.308 --> 01:01:45.339 cancer gene that I mentioned that

NOTE Confidence: 0.85854125

01:01:45.339 --> 01:01:47.149 some studies have suggested Melanoma

NOTE Confidence: 0.85854125

01:01:47.149 --> 01:01:49.341 but really is not very strong

NOTE Confidence: 0.85854125

01:01:49.341 --> 01:01:50.745 Association with other hereditary

NOTE Confidence: 0.85854125

01:01:50.745 --> 01:01:52.470 breast or ovarian cancer genes.

NOTE Confidence: 0.8451208

01:01:55.060 --> 01:01:57.088 So what does N seeds and

NOTE Confidence: 0.8451208

01:01:57.088 --> 01:01:58.820 CC and recommend for men,

NOTE Confidence: 0.8451208

01:01:58.820 --> 01:02:01.538 men and women screening for Melanoma?

NOTE Confidence: 0.8451208

01:02:01.540 --> 01:02:03.885 So there's no specific guidelines that exist,

NOTE Confidence: 0.8451208

01:02:03.890 --> 01:02:06.340 partially because the risk is appears to

NOTE Confidence: 0.8451208

01:02:06.340 --> 01:02:08.908 be relatively low and is not well defined.

NOTE Confidence: 0.8451208

01:02:08.910 --> 01:02:10.250 But general Melanoma risk

NOTE Confidence: 0.8451208

01:02:10.250 --> 01:02:11.255 management is appropriate,

NOTE Confidence: 0.8451208

01:02:11.260 --> 01:02:13.423 so that would be an annual total

NOTE Confidence: 0.8451208

01:02:13.423 --> 01:02:15.081 body skin exam by dermatologist

NOTE Confidence: 0.8451208

01:02:15.081 --> 01:02:17.384 so it look over the whole body

NOTE Confidence: 0.8451208

01:02:17.384 --> 01:02:19.630 to look for any abnormal moles.

NOTE Confidence: 0.8451208

01:02:19.630 --> 01:02:20.572 And of course,

NOTE Confidence: 0.8451208

01:02:20.572 --> 01:02:23.186 a person being aware of any changes to

NOTE Confidence: 0.8451208

01:02:23.186 --> 01:02:25.657 any moles animals that are getting bigger,

NOTE Confidence: 0.8451208

01:02:25.660 --> 01:02:27.670 getting darker, having any uneven borders,

NOTE Confidence: 0.8451208

01:02:27.670 --> 01:02:30.346 and bring back to their dermatologist.

NOTE Confidence: 0.8451208

01:02:30.350 --> 01:02:31.817 And of course,

NOTE Confidence: 0.8451208

01:02:31.817 --> 01:02:33.773 avoiding excessive UV exposures

NOTE Confidence: 0.8451208

01:02:33.773 --> 01:02:37.290 wearing a hat using over S50 sunblock.

NOTE Confidence: 0.8451208

01:02:37.290 --> 01:02:40.018 And avoiding tanning beds.

NOTE Confidence: 0.8451208

01:02:40.020 --> 01:02:42.127 And from then went with a beer,

NOTE Confidence: 0.8451208

01:02:42.130 --> 01:02:42.943 see two mutation.

NOTE Confidence: 0.8451208

01:02:42.943 --> 01:02:45.208 They may consider an eye exam by an

NOTE Confidence: 0.8451208

01:02:45.208 --> 01:02:47.062 ophthalmologist as the goal is again

NOTE Confidence: 0.8451208

01:02:47.062 --> 01:02:49.080 the small version of ocular Melanoma.

NOTE Confidence: 0.8451208

01:02:49.080 --> 01:02:51.591 But this type of exam will be used to

NOTE Confidence: 0.8451208

01:02:51.591 --> 01:02:54.012 look in the back of the eye to see

NOTE Confidence: 0.8451208

01:02:54.012 --> 01:02:56.329 if ocular Melanoma ever did develop.

NOTE Confidence: 0.8451208

01:02:56.330 --> 01:02:58.136 That it was caught much earlier.

NOTE Confidence: 0.8453492

01:03:00.680 --> 01:03:02.440 So just as a summary,

NOTE Confidence: 0.8453492

01:03:02.440 --> 01:03:03.932 hereditary breast and ovarian

NOTE Confidence: 0.8453492

01:03:03.932 --> 01:03:05.797 cancer syndrome has distinct cancer

NOTE Confidence: 0.8453492

01:03:05.797 --> 01:03:07.565 risks for men, not just women.

NOTE Confidence: 0.8453492

01:03:07.565 --> 01:03:09.700 There are cancer risks for men and

NOTE Confidence: 0.8453492

01:03:09.763 --> 01:03:11.323 or manager recommendations for

NOTE Confidence: 0.8453492

01:03:11.323 --> 01:03:13.663 men who have a hereditary breast.

NOTE Confidence: 0.8453492

01:03:13.670 --> 01:03:17.380 In Newberry and cancer syndrome.

NOTE Confidence: 0.8453492

01:03:17.380 --> 01:03:18.418 And the screening.

NOTE Confidence: 0.8453492

01:03:18.418 --> 01:03:20.494 The whole point of screening and

NOTE Confidence: 0.8453492

01:03:20.494 --> 01:03:22.336 manage recommendations is to either

NOTE Confidence: 0.8453492

01:03:22.336 --> 01:03:24.484 prevent cancer or detected at a

NOTE Confidence: 0.8453492

01:03:24.548 --> 01:03:26.280 much earlier treatable stage.

NOTE Confidence: 0.8453492

01:03:26.280 --> 01:03:28.320 And I would recommend to learn

NOTE Confidence: 0.8453492

01:03:28.320 --> 01:03:29.680 about your family history.

NOTE Confidence: 0.8453492

01:03:29.680 --> 01:03:31.325 Family history can really impact

NOTE Confidence: 0.8453492

01:03:31.325 --> 01:03:32.312 screening recommendations like

NOTE Confidence: 0.8453492

01:03:32.312 --> 01:03:33.760 a pancreatic cancer screening,

NOTE Confidence: 0.8453492

01:03:33.760 --> 01:03:35.650 and also can really learn more

NOTE Confidence: 0.8453492

01:03:35.650 --> 01:03:37.318 about if other genetic testing

NOTE Confidence: 0.8453492

01:03:37.318 --> 01:03:39.043 is indicated and also inform

NOTE Confidence: 0.8453492

01:03:39.043 --> 01:03:40.900 other members of your family.

NOTE Confidence: 0.90580887

01:03:43.120 --> 01:03:44.884 So thank you everyone for attending

NOTE Confidence: 0.90580887

01:03:44.884 --> 01:03:46.739 to give any questions or comments.

NOTE Confidence: 0.90580887

01:03:46.740 --> 01:03:49.161 Feel free to hang out at the end and

NOTE Confidence: 0.90580887

01:03:49.161 --> 01:03:51.653 send me a question or if any questions

NOTE Confidence: 0.90580887

01:03:51.653 --> 01:03:54.539 come up later you can contact me at our

NOTE Confidence: 0.90580887

01:03:54.539 --> 01:03:57.360 programs email and ask away. Thank you.

NOTE Confidence: 0.8710211

01:04:03.420 --> 01:04:04.982 Alright, thank you everybody.

NOTE Confidence: 0.8710211

01:04:04.982 --> 01:04:08.400 So we have had a couple questions come in,

NOTE Confidence: 0.8710211

01:04:08.400 --> 01:04:11.011 but if the attendees want to send

NOTE Confidence: 0.8710211

01:04:11.011 --> 01:04:13.380 some more that would be great.

NOTE Confidence: 0.8710211

01:04:13.380 --> 01:04:15.474 So Doctor Abraham we had one

NOTE Confidence: 0.8710211

01:04:15.474 --> 01:04:17.371 question come in the individual

NOTE Confidence: 0.8710211

01:04:17.371 --> 01:04:19.506 asked if someone is slim.

NOTE Confidence: 0.8710211

01:04:19.510 --> 01:04:21.790 Is there always enough tissue in

NOTE Confidence: 0.8710211

01:04:21.790 --> 01:04:24.489 the stomach area to perform a deep?

NOTE Confidence: 0.88445383

01:04:25.850 --> 01:04:27.735 So there's there's a short

NOTE Confidence: 0.88445383

01:04:27.735 --> 01:04:29.620 answer in the long answer,

NOTE Confidence: 0.88445383

01:04:29.620 --> 01:04:32.259 and the short answer is that no,

NOTE Confidence: 0.88445383

01:04:32.260 --> 01:04:34.175 obviously even some of the

NOTE Confidence: 0.88445383

01:04:34.175 --> 01:04:36.090 examples that I showed these

NOTE Confidence: 0.88445383

01:04:36.166 --> 01:04:38.290 were women that were very slim.

NOTE Confidence: 0.88445383

01:04:38.290 --> 01:04:40.409 They have never been pregnant,

NOTE Confidence: 0.88445383

01:04:40.409 --> 01:04:42.674 they don't have any excess

NOTE Confidence: 0.88445383

01:04:42.674 --> 01:04:45.090 tissue in the lower abdomen.

NOTE Confidence: 0.88445383

01:04:45.090 --> 01:04:47.952 The good news is that if a woman is

NOTE Confidence: 0.88445383

01:04:47.952 --> 01:04:50.899 committed to reconstruction using her own

NOTE Confidence: 0.88445383

01:04:50.899 --> 01:04:53.449 tissues adamant against having implants,

NOTE Confidence: 0.88445383

01:04:53.450 --> 01:04:55.535 there is usually there are

NOTE Confidence: 0.88445383

01:04:55.535 --> 01:04:56.786 usually other options.

NOTE Confidence: 0.88445383

01:04:56.790 --> 01:04:59.166 My primary go to for secondary

NOTE Confidence: 0.88445383

01:04:59.166 --> 01:05:01.390 option is the inner thighs,

NOTE Confidence: 0.88445383

01:05:01.390 --> 01:05:02.208 for example,

NOTE Confidence: 0.88445383

01:05:02.208 --> 01:05:04.253 because just the way women

NOTE Confidence: 0.88445383

01:05:04.253 --> 01:05:07.242 tend to be shaped alot of women

NOTE Confidence: 0.88445383

01:05:07.242 --> 01:05:09.750 carry even that are very thin,

NOTE Confidence: 0.88445383

01:05:09.750 --> 01:05:11.422 carries some extra weight

NOTE Confidence: 0.88445383

01:05:11.422 --> 01:05:13.094 on their inner thighs,

NOTE Confidence: 0.88445383

01:05:13.100 --> 01:05:15.812 and that's an opportunity to leverage

NOTE Confidence: 0.88445383

01:05:15.812 --> 01:05:17.620 that for breast reconstruction.

NOTE Confidence: 0.88445383

01:05:17.620 --> 01:05:19.210 There's tissue in the back.

NOTE Confidence: 0.88445383

01:05:19.210 --> 01:05:20.800 There's tissue in the budget,

NOTE Confidence: 0.88445383

01:05:20.800 --> 01:05:23.662 so the so the answer is

NOTE Confidence: 0.88445383

01:05:23.662 --> 01:05:25.093 that it's complicated.

NOTE Confidence: 0.88445383

01:05:25.100 --> 01:05:26.368 And that it requires

NOTE Confidence: 0.88445383

01:05:26.368 --> 01:05:27.319 more thorough discussion.

NOTE Confidence: 0.88445383

01:05:27.320 --> 01:05:28.690 And we're almost always able

NOTE Confidence: 0.88445383

01:05:28.690 --> 01:05:30.478 to find tissue for a tissue

NOTE Confidence: 0.88445383

01:05:30.478 --> 01:05:31.890 based reconstruction for a

NOTE Confidence: 0.88445383

01:05:31.890 --> 01:05:33.655 woman that's committed to it.

NOTE Confidence: 0.86684895

01:05:35.300 --> 01:05:36.840 OK, thank you and me.

NOTE Confidence: 0.86684895

01:05:36.840 --> 01:05:38.350 We had a question come

NOTE Confidence: 0.86684895

01:05:38.350 --> 01:05:40.230 in that says if you are,

NOTE Confidence: 0.86684895

01:05:40.230 --> 01:05:42.078 if you already have prostate cancer,

NOTE Confidence: 0.86684895

01:05:42.080 --> 01:05:43.928 is it ever too late to

NOTE Confidence: 0.86684895

01:05:43.928 --> 01:05:45.160 get the genetic testing?

NOTE Confidence: 0.8559626

01:05:48.230 --> 01:05:50.666 No, if you already have prostate cancer,

NOTE Confidence: 0.8559626

01:05:50.670 --> 01:05:52.764 it is not too late to

NOTE Confidence: 0.8559626

01:05:52.764 --> 01:05:54.160 get the genetic testing.

NOTE Confidence: 0.8559626

01:05:54.160 --> 01:05:56.414 There are a couple of benefits to

NOTE Confidence: 0.8559626

01:05:56.414 --> 01:05:58.558 individuals who have who have cancer

NOTE Confidence: 0.8559626

01:05:58.558 --> 01:06:00.784 prostate cancer to have genetic testing.

NOTE Confidence: 0.8559626

01:06:00.790 --> 01:06:03.086 One is that men with more advanced

NOTE Confidence: 0.8559626

01:06:03.086 --> 01:06:04.463 prostate cancer or metastatic

NOTE Confidence: 0.8559626

01:06:04.463 --> 01:06:06.759 prostate cancer with a beer say one

NOTE Confidence: 0.8559626

01:06:06.759 --> 01:06:08.989 or two mutation may be eligible

NOTE Confidence: 0.8559626

01:06:08.989 --> 01:06:10.874 for specific therapies that are

NOTE Confidence: 0.8559626

01:06:10.874 --> 01:06:13.010 more targeted to their cancer type.

NOTE Confidence: 0.8559626

01:06:13.010 --> 01:06:15.786 So it can be benefit for their treatment

NOTE Confidence: 0.8559626

01:06:15.786 --> 01:06:17.866 and Additionally this is also added

NOTE Confidence: 0.8559626

01:06:17.866 --> 01:06:19.511 giving information to the family

NOTE Confidence: 0.8559626

01:06:19.511 --> 01:06:21.857 so someone with a cancer diagnosis.

NOTE Confidence: 0.8559626

01:06:21.860 --> 01:06:23.918 Who does have genetic testing can

NOTE Confidence: 0.8559626

01:06:23.918 --> 01:06:25.631 then provide information to their

NOTE Confidence: 0.8559626

01:06:25.631 --> 01:06:27.598 relatives to know if they need to

NOTE Confidence: 0.8559626

01:06:27.598 --> 01:06:29.321 have their own genetic testing so

NOTE Confidence: 0.8559626

01:06:29.321 --> 01:06:31.586 they can be aware of their own cancer

NOTE Confidence: 0.8559626

01:06:31.586 --> 01:06:32.798 screening management if necessary.

NOTE Confidence: 0.85351026

01:06:35.580 --> 01:06:38.505 Great and then another question for you Amy.

NOTE Confidence: 0.85351026

01:06:38.510 --> 01:06:40.886 Is there a certain age that you recommend

NOTE Confidence: 0.85351026

01:06:40.886 --> 01:06:43.690 men or boys from families with unknown

NOTE Confidence: 0.85351026

01:06:43.690 --> 01:06:45.830 BRCA Mutation pursue genetic testing?

NOTE Confidence: 0.84502244

01:06:46.900 --> 01:06:49.070 Great question. So we do not test

NOTE Confidence: 0.84502244

01:06:49.070 --> 01:06:51.733 men who are under the age of 18

NOTE Confidence: 0.84502244

01:06:51.733 --> 01:06:53.878 weaken the youngest we would ever

NOTE Confidence: 0.84502244

01:06:53.878 --> 01:06:56.362 test to someone who's 18 'cause

NOTE Confidence: 0.84502244

01:06:56.362 --> 01:06:57.970 because they're illegal adult.

NOTE Confidence: 0.84502244

01:06:57.970 --> 01:07:00.130 That being said, men with a

NOTE Confidence: 0.84502244

01:07:00.130 --> 01:07:02.610 beater say one or B RC2 mutation.

NOTE Confidence: 0.84502244

01:07:02.610 --> 01:07:04.686 We would not even begin their

NOTE Confidence: 0.84502244

01:07:04.686 --> 01:07:06.859 cancer screening until they were 35

NOTE Confidence: 0.84502244

01:07:06.859 --> 01:07:08.679 with annual clinical breast exams.

NOTE Confidence: 0.84502244

01:07:08.680 --> 01:07:10.475 So it's completely reasonable for

NOTE Confidence: 0.84502244

01:07:10.475 --> 01:07:13.058 men to wait until closer to that

NOTE Confidence: 0.84502244

01:07:13.058 --> 01:07:14.853 age when cancer screening might

NOTE Confidence: 0.84502244

01:07:14.853 --> 01:07:16.682 might impact might change their

NOTE Confidence: 0.84502244

01:07:16.682 --> 01:07:18.728 management if they were be RCA.

NOTE Confidence: 0.84502244

01:07:18.730 --> 01:07:20.054 Positive at that time.

NOTE Confidence: 0.84502244

01:07:20.054 --> 01:07:20.716 Of course.

NOTE Confidence: 0.84502244

01:07:20.720 --> 01:07:22.436 Some men who are younger want

NOTE Confidence: 0.84502244

01:07:22.436 --> 01:07:24.408 to know for any family planning

NOTE Confidence: 0.84502244

01:07:24.408 --> 01:07:26.694 and things and things like that.

NOTE Confidence: 0.84502244

01:07:26.700 --> 01:07:29.017 But of course some specially younger men.

NOTE Confidence: 0.84502244

01:07:29.020 --> 01:07:30.340 There is some considerations

NOTE Confidence: 0.84502244

01:07:30.340 --> 01:07:31.990 for getting life insurance in

NOTE Confidence: 0.84502244

01:07:31.990 --> 01:07:33.670 place prior to genetic testing.

NOTE Confidence: 0.84502244

01:07:33.670 --> 01:07:35.656 If people have concerns about that.

NOTE Confidence: 0.84502244

01:07:35.660 --> 01:07:38.980 So I would say it was a little long winded,

NOTE Confidence: 0.84502244

01:07:38.980 --> 01:07:40.912 but at least 18 completely reasonable

NOTE Confidence: 0.84502244

01:07:40.912 --> 01:07:43.244 to wait until 35 and also definitely

NOTE Confidence: 0.84502244

01:07:43.244 --> 01:07:45.540 reasonable if a man younger than 35

NOTE Confidence: 0.84502244

01:07:45.600 --> 01:07:47.938 one to have testing that was motivated

NOTE Confidence: 0.84502244

01:07:47.938 --> 01:07:49.610 specially for any family planning.

NOTE Confidence: 0.8711236

01:07:52.050 --> 01:07:55.206 Mary Ann Dr Abraham. What's the recovery

NOTE Confidence: 0.8711236

01:07:55.206 --> 01:07:57.010 period like after reconstruction?

NOTE Confidence: 0.85061425

01:07:59.610 --> 01:08:01.502 Talk about a loaded question,

NOTE Confidence: 0.85061425

01:08:01.502 --> 01:08:03.392 so it's it's really variable.

NOTE Confidence: 0.85061425

01:08:03.400 --> 01:08:06.424 I tell women and it's hard to couch,

NOTE Confidence: 0.85061425

01:08:06.430 --> 01:08:09.078 so I try to catch it in terms

NOTE Confidence: 0.85061425

01:08:09.078 --> 01:08:11.360 of time missed from work,

NOTE Confidence: 0.85061425

01:08:11.360 --> 01:08:13.628 which is also not perfect because

NOTE Confidence: 0.85061425

01:08:13.628 --> 01:08:15.958 some women don't work in women

121

NOTE Confidence: 0.85061425

01:08:15.958 --> 01:08:18.178 also have different types of jobs.

NOTE Confidence: 0.85061425

01:08:18.180 --> 01:08:20.832 Obviously somebody that works as a

NOTE Confidence: 0.85061425

01:08:20.832 --> 01:08:23.609 construction would have longer time out of

NOTE Confidence: 0.85061425

01:08:23.609 --> 01:08:26.140 work then somebody that has a desk job,

NOTE Confidence: 0.85061425

01:08:26.140 --> 01:08:29.540 but I tell women that have a mastectomy.

NOTE Confidence: 0.85061425

01:08:29.540 --> 01:08:30.880 Without reconstruction to expect

NOTE Confidence: 0.85061425

01:08:30.880 --> 01:08:33.240 three to four weeks out of work,

NOTE Confidence: 0.85061425

01:08:33.240 --> 01:08:35.830 women that have mastectomy with an implant

NOTE Confidence: 0.85061425

01:08:35.830 --> 01:08:37.940 reconstruction a similar time out of work,

NOTE Confidence: 0.85061425

01:08:37.940 --> 01:08:40.382 and women that have mastectomy with

NOTE Confidence: 0.85061425

01:08:40.382 --> 01:08:42.010 tissue based reconstruction more

NOTE Confidence: 0.85061425

01:08:42.073 --> 01:08:43.985 like 4 to six weeks out of work.

NOTE Confidence: 0.86966884

01:08:47.010 --> 01:08:48.382 Thank you and me,

NOTE Confidence: 0.86966884

01:08:48.382 --> 01:08:50.440 maybe you can answer this question

NOTE Confidence: 0.86966884

01:08:50.515 --> 01:08:52.825 if you had genetic testing earlier,

NOTE Confidence: 0.86966884

122

01:08:52.830 --> 01:08:54.750 say maybe around 2002 and had

NOTE Confidence: 0.86966884

01:08:54.750 --> 01:08:56.840 to be RCA mutation identified.

NOTE Confidence: 0.86966884

01:08:56.840 --> 01:08:58.988 Is it worth doing genetic testing

NOTE Confidence: 0.86966884

01:08:58.988 --> 01:09:01.115 again just to sort of look

NOTE Confidence: 0.86966884

01:09:01.115 --> 01:09:02.975 at maybe some of those other

NOTE Confidence: 0.86966884

01:09:02.975 --> 01:09:05.318 genes to see if there's another

NOTE Confidence: 0.86966884

01:09:05.318 --> 01:09:07.383 mutation in the different gene?

NOTE Confidence: 0.8669119

01:09:09.170 --> 01:09:11.627 Great question, it would, I would say

NOTE Confidence: 0.8669119

01:09:11.627 --> 01:09:14.099 depend on your your family history.

NOTE Confidence: 0.8669119

01:09:14.100 --> 01:09:16.697 So if the beer say two mutation

NOTE Confidence: 0.8669119

01:09:16.697 --> 01:09:18.270 was identified in 2002.

NOTE Confidence: 0.8669119

01:09:18.270 --> 01:09:20.916 If that is tracking in the family,

NOTE Confidence: 0.8669119

01:09:20.920 --> 01:09:23.552 meaning that we're finding it in everyone

NOTE Confidence: 0.8669119

01:09:23.552 --> 01:09:26.227 in your family who had breast cancer,

NOTE Confidence: 0.8669119

01:09:26.230 --> 01:09:27.950 ovarian cancer, pancreatic cancer,

NOTE Confidence: 0.8669119

01:09:27.950 --> 01:09:30.100 additional genetic testing is likely

NOTE Confidence: 0.8669119

01:09:30.100 --> 01:09:32.359 to have low yield because that's

NOTE Confidence: 0.8669119

01:09:32.359 --> 01:09:34.516 the most likely explanation for why

NOTE Confidence: 0.8669119

01:09:34.516 --> 01:09:36.454 we're seeing cancer in your family.

NOTE Confidence: 0.8669119

01:09:36.460 --> 01:09:39.106 However, in in the past 18 years,

NOTE Confidence: 0.8669119

01:09:39.110 --> 01:09:39.770 there's been.

NOTE Confidence: 0.8669119

01:09:39.770 --> 01:09:41.420 A different diagnosis of breast

NOTE Confidence: 0.8669119

01:09:41.420 --> 01:09:43.061 can assume yet another cancer

NOTE Confidence: 0.8669119

01:09:43.061 --> 01:09:45.119 that's not related to be RCA two.

NOTE Confidence: 0.8669119

01:09:45.120 --> 01:09:47.066 Or maybe this cancer history on both

NOTE Confidence: 0.8669119

01:09:47.066 --> 01:09:49.272 sides of the family, so it's unclear.

NOTE Confidence: 0.8669119

01:09:49.272 --> 01:09:50.792 Maybe the RCA two Mutation

NOTE Confidence: 0.8669119

01:09:50.792 --> 01:09:52.200 was inherited from your dad,

NOTE Confidence: 0.8669119

01:09:52.200 --> 01:09:54.560 but there's family history on your mom side.

NOTE Confidence: 0.8669119

01:09:54.560 --> 01:09:56.548 It might be reasonable to make an

NOTE Confidence: 0.8669119

01:09:56.548 --> 01:09:58.737 appointment to at least do an assessment

NOTE Confidence: 0.8669119

01:09:58.737 --> 01:10:00.645 with a genetic counselor to Detur.

NOTE Confidence: 0.8669119

01:10:00.650 --> 01:10:02.650 And if if additional genetic

NOTE Confidence: 0.8669119

01:10:02.650 --> 01:10:04.250 testing would be indicated.

NOTE Confidence: 0.82953644

01:10:05.990 --> 01:10:08.258 Great thank you and Doctor Ferrell.

NOTE Confidence: 0.82953644

01:10:08.260 --> 01:10:10.050 Should all patients who have

NOTE Confidence: 0.82953644

01:10:10.050 --> 01:10:11.840 a family history of pancreatic

NOTE Confidence: 0.82953644

01:10:11.908 --> 01:10:13.548 cancer get genetic testing.

NOTE Confidence: 0.86278915

01:10:19.710 --> 01:10:22.398 No, not not all family members.

NOTE Confidence: 0.86278915

01:10:22.400 --> 01:10:24.380 So because you know,

NOTE Confidence: 0.86278915

01:10:24.380 --> 01:10:27.350 sporadic pancreatic cancer is still the

NOTE Confidence: 0.86278915

01:10:27.439 --> 01:10:30.386 more common type when you go looking

NOTE Confidence: 0.86278915

01:10:30.386 --> 01:10:33.799 for number one probably makes about 90%.

NOTE Confidence: 0.86278915

01:10:33.800 --> 01:10:36.649 And even for individuals where we think

NOTE Confidence: 0.86278915

01:10:36.649 --> 01:10:39.160 there's some sort of familiar link,

NOTE Confidence: 0.86278915

01:10:39.160 --> 01:10:41.686 you know we still don't understand

NOTE Confidence: 0.86278915

01:10:41.686 --> 01:10:44.512 all the genetics of it. In fact,

NOTE Confidence: 0.86278915

01:10:44.512 --> 01:10:46.156 there's probably shared environmental.

NOTE Confidence: 0.86278915

01:10:46.160 --> 01:10:48.220 Either microbiome issues at play

NOTE Confidence: 0.86278915

01:10:48.220 --> 01:10:50.380 that in effect, someones risk.

NOTE Confidence: 0.86278915

01:10:50.380 --> 01:10:53.600 So it involves kind of having the

NOTE Confidence: 0.86278915

01:10:53.600 --> 01:10:56.007 discussion looking at risk factors,

NOTE Confidence: 0.86278915

01:10:56.010 --> 01:10:58.628 but the typical scenario is at least

NOTE Confidence: 0.86278915

01:10:58.628 --> 01:11:00.699 two first degree relatives related

NOTE Confidence: 0.86278915

01:11:00.699 --> 01:11:03.321 to each other who have pancreatic

NOTE Confidence: 0.86278915

01:11:03.321 --> 01:11:05.827 cancer and then your relation with

NOTE Confidence: 0.86278915

01:11:05.827 --> 01:11:08.155 them as a first degree relative

NOTE Confidence: 0.86278915

01:11:08.160 --> 01:11:10.590 would make you at increased risks

NOTE Confidence: 0.86278915

01:11:10.590 --> 01:11:12.210 for familial pancreatic cancer,

NOTE Confidence: 0.86278915

01:11:12.210 --> 01:11:14.898 and so those would be the individuals

NOTE Confidence: 0.86278915

01:11:14.898 --> 01:11:17.478 that we would typically ask for.

NOTE Confidence: 0.86278915

01:11:17.480 --> 01:11:18.304 Look for.

NOTE Confidence: 0.86278915

01:11:18.304 --> 01:11:21.600 But we also kind of are interested in.

NOTE Confidence: 0.86278915

01:11:21.600 --> 01:11:23.742 You know if there is a history

NOTE Confidence: 0.86278915

01:11:23.742 --> 01:11:25.160 of young pancreatic cancer,

NOTE Confidence: 0.86278915

01:11:25.160 --> 01:11:27.422 that's always kind of alarming when

NOTE Confidence: 0.86278915

01:11:27.422 --> 01:11:30.017 someone presents in the age of 30 or 40,

NOTE Confidence: 0.86278915

01:11:30.020 --> 01:11:32.438 because it's typically a disease that

NOTE Confidence: 0.86278915

01:11:32.438 --> 01:11:35.299 starts at the age of 60 and above.

NOTE Confidence: 0.86278915

01:11:35.300 --> 01:11:36.592 Although strictly by guidelines,

NOTE Confidence: 0.86278915

01:11:36.592 --> 01:11:37.884 we don't follow it,

NOTE Confidence: 0.86278915

01:11:37.890 --> 01:11:40.158 but it certainly kind of concerns me.

NOTE Confidence: 0.86278915

01:11:40.160 --> 01:11:41.780 Want to hear about young

NOTE Confidence: 0.86278915

01:11:41.780 --> 01:11:43.076 pancreatic cancers and families,

NOTE Confidence: 0.86278915

01:11:43.080 --> 01:11:45.362 and then for small families where there

NOTE Confidence: 0.86278915

01:11:45.362 --> 01:11:47.939 might not might not be easy to understand,

NOTE Confidence: 0.86278915

01:11:47.940 --> 01:11:49.984 or the history might not always be

NOTE Confidence: 0.86278915

01:11:49.984 --> 01:11:51.649 complete to understand in certain

NOTE Confidence: 0.86278915

01:11:51.649 --> 01:11:53.117 relatives had pancreatic cancer,

NOTE Confidence: 0.86278915

01:11:53.120 --> 01:11:55.264 or in olden times when it was just

NOTE Confidence: 0.86278915

01:11:55.264 --> 01:11:57.330 some sort of intraabdominal tumor.

NOTE Confidence: 0.86278915

01:11:57.330 --> 01:12:00.246 You know, we keep that in mind as well,

NOTE Confidence: 0.86278915

01:12:00.250 --> 01:12:03.127 and then thinking about either other cancers

NOTE Confidence: 0.86278915

01:12:03.127 --> 01:12:06.137 in the family that would push towards.

NOTE Confidence: 0.86278915

01:12:06.140 --> 01:12:08.045 Getting someone to have cancer

NOTE Confidence: 0.86278915

01:12:08.045 --> 01:12:10.460 genetic testing such as breast cancer,

NOTE Confidence: 0.86278915

01:12:10.460 --> 01:12:12.016 prostate cancer, ovarian cancer.

NOTE Confidence: 0.86278915

01:12:12.016 --> 01:12:13.183 So it's multifactorial

NOTE Confidence: 0.86278915

01:12:13.183 --> 01:12:14.790 in the decision making,

NOTE Confidence: 0.86278915

01:12:14.790 --> 01:12:16.353 but strictly speaking,

NOTE Confidence: 0.86278915

01:12:16.353 --> 01:12:19.479 it should be at least two

NOTE Confidence: 0.86278915

01:12:19.479 --> 01:12:21.609 family member for that.

NOTE Confidence: 0.86278915

01:12:21.610 --> 01:12:24.778 Although we just we just add it kind of,

NOTE Confidence: 0.86278915

01:12:24.780 --> 01:12:27.588 just as I also add that you know,

NOTE Confidence: 0.86278915

01:12:27.590 --> 01:12:28.529 per recent guidelines,

NOTE Confidence: 0.86278915

01:12:28.529 --> 01:12:30.407 as people familiar people with the

NOTE Confidence: 0.86278915

01:12:30.407 --> 01:12:32.168 newly diagnosed pancreatic cancer.

NOTE Confidence: 0.86278915

01:12:32.170 --> 01:12:34.264 So these are patients who have

NOTE Confidence: 0.86278915

01:12:34.264 --> 01:12:36.423 it are being recommended to have

NOTE Confidence: 0.86278915

01:12:36.423 --> 01:12:38.148 some form of germline testing,

NOTE Confidence: 0.86278915

01:12:38.150 --> 01:12:40.328 not just because it is treatment

NOTE Confidence: 0.86278915

01:12:40.328 --> 01:12:41.780 implications but also because

NOTE Confidence: 0.86278915

01:12:41.847 --> 01:12:43.079 around the flip side.

NOTE Confidence: 0.86278915

01:12:43.080 --> 01:12:44.840 It is implications for familial

NOTE Confidence: 0.86278915

01:12:44.840 --> 01:12:46.248 risk of pancreatic cancer.

NOTE Confidence: 0.79650855

01:12:49.190 --> 01:12:52.862 Alright, great. To add on that,

NOTE Confidence: 0.79650855

01:12:52.862 --> 01:12:54.980 I will say that NCCN guidelines

NOTE Confidence: 0.79650855

01:12:55.056 --> 01:12:57.156 that I quoted a lot they do.

NOTE Confidence: 0.79650855

01:12:57.160 --> 01:12:58.660 They do recommend that individuals

01:12:58.660 --> 01:13:00.628 who have a first degree relative

01:13:00.628 --> 01:13:01.870 with pancreatic cancer,

01:13:01.870 --> 01:13:04.215 even if there's no other family history,

01:13:04.220 --> 01:13:05.900 do consider test genetic testing.

01:13:05.900 --> 01:13:07.862 So even though having one person

01:13:07.862 --> 01:13:09.170 be relative's doctor Farrell

01:13:09.233 --> 01:13:11.261 mentioned may not qualify you for

01:13:11.261 --> 01:13:12.613 high risk pancreas screening.

01:13:12.620 --> 01:13:14.965 It may qualify you for genetic testing.

01:13:17.810 --> 01:13:20.480 Great thanks Amy.

01:13:20.480 --> 01:13:23.160 I think that's the last of the questions,

01:13:23.160 --> 01:13:25.840 so thank you to all of our speakers.

01:13:25.840 --> 01:13:28.128 This was a great evening and it was

01:13:28.128 --> 01:13:30.199 great to have everybody attend.

01:13:30.200 --> 01:13:33.329 Have a good rest of your night.