WEBVTT

NOTE duration:"01:24:16"

NOTE language:en-us

NOTE Confidence: 0.8106434

00:00:00.000 --> 00:00:02.338 My name is metrical Shannon and welcome

NOTE Confidence: 0.8106434

00:00:02.338 --> 00:00:05.272 to the Yale Cancer Center Smilow Cancer

NOTE Confidence: 0.8106434

00:00:05.272 --> 00:00:08.062 Hospital breast Program CME lecture series.

NOTE Confidence: 0.8106434

00:00:08.070 --> 00:00:10.821 We're going to wait a few minutes

NOTE Confidence: 0.8106434

00:00:10.821 --> 00:00:13.978 to have allow people to log in and

NOTE Confidence: 0.8106434

00:00:13.978 --> 00:00:17.290 hopefully right at 12 or 1201 will start.

NOTE Confidence: 0.8106434

00:00:17.290 --> 00:00:19.696 I'll be introducing Doctor Elizabeth Berger,

NOTE Confidence: 0.8106434

00:00:19.700 --> 00:00:21.304 Doctor Melanie Lynch and

NOTE Confidence: 0.8106434

00:00:21.304 --> 00:00:22.507 Doctor Rachel Greenup.

NOTE Confidence: 0.8106434

00:00:22.510 --> 00:00:25.618 The format will be that they will

NOTE Confidence: 0.8106434

00:00:25.618 --> 00:00:28.943 be giving them three talks in a row

NOTE Confidence: 0.8106434

00:00:28.943 --> 00:00:31.822 and please put in as many questions

NOTE Confidence: 0.8106434

00:00:31.822 --> 00:00:34.916 as you like in the chat box.

NOTE Confidence: 0.8106434

00:00:34.920 --> 00:00:37.528 And we will do our best to have

NOTE Confidence: 0.8106434

00:00:37.528 --> 00:00:39.597 an interactive session at the end,

NOTE Confidence: 0.8106434

00:00:39.600 --> 00:00:41.230 answering those questions and we

NOTE Confidence: 0.8106434

00:00:41.230 --> 00:00:42.860 really look forward to hearing

NOTE Confidence: 0.8106434

00:00:42.921 --> 00:00:44.269 your perspectives as well.

NOTE Confidence: 0.7752498

00:02:43.170 --> 00:02:45.026 So, uh, good afternoon,

NOTE Confidence: 0.7752498

00:02:45.026 --> 00:02:47.346 my name is Macrogol Shannon.

NOTE Confidence: 0.7752498

00:02:47.350 --> 00:02:50.128 Welcome to the Yale Cancer Center,

NOTE Confidence: 0.7752498

00:02:50.130 --> 00:02:52.954 Smilow Cancer Hospital breast

NOTE Confidence: 0.7752498

00:02:52.954 --> 00:02:55.778 program CME lecture series.

NOTE Confidence: 0.7752498

00:02:55.780 --> 00:02:57.532 Hopefully people will be

NOTE Confidence: 0.7752498

00:02:57.532 --> 00:02:59.284 continuing to log in.

NOTE Confidence: 0.7752498

00:02:59.290 --> 00:03:02.098 We really appreciate those of our

NOTE Confidence: 0.7752498

00:03:02.098 --> 00:03:04.560 colleagues here in Connecticut and it.

NOTE Confidence: 0.7752498

00:03:04.560 --> 00:03:06.312 Yeah, and especially our

NOTE Confidence: 0.7752498

00:03:06.312 --> 00:03:08.064 counterparts around the world.

NOTE Confidence: 0.7752498

00:03:08.070 --> 00:03:11.574 I see my colleagues from China from Japan,

NOTE Confidence: 0.7752498

00:03:11.580 --> 00:03:15.100 Turkey, South Korea and other places as well.

NOTE Confidence: 0.7752498

00:03:15.100 --> 00:03:17.991 So welcome, we're going to have three

NOTE Confidence: 0.7752498

00:03:17.991 --> 00:03:20.360 fantastic lectures of this afternoon.

NOTE Confidence: 0.7752498

00:03:20.360 --> 00:03:23.000 We'll start with Doctor Elizabeth Berger,

NOTE Confidence: 0.7752498

00:03:23.000 --> 00:03:25.880 who's assistant professor of surgery.

NOTE Confidence: 0.7752498

00:03:25.880 --> 00:03:28.046 Here at the Yale Cancer Center,

NOTE Confidence: 0.7752498

00:03:28.050 --> 00:03:30.030 Yale Department of Surgery discussing

NOTE Confidence: 0.7752498

00:03:30.030 --> 00:03:32.371 updates and surgical management of our

NOTE Confidence: 0.7752498

00:03:32.371 --> 00:03:34.207 best of our breast cancer patients.

NOTE Confidence: 0.7752498

00:03:34.210 --> 00:03:36.015 Then it will be followed

NOTE Confidence: 0.7752498

00:03:36.015 --> 00:03:37.459 by Doctor Melanie Lynch,

NOTE Confidence: 0.7752498

00:03:37.460 --> 00:03:39.964 who is the director of Our Breast program

NOTE Confidence: 0.7752498

00:03:39.964 --> 00:03:42.527 and breast Surgery at Bridgeport Hospital.

NOTE Confidence: 0.7752498

00:03:42.530 --> 00:03:43.974 Talking about Uncle plastic

NOTE Confidence: 0.7752498

00:03:43.974 --> 00:03:44.696 breast conservation,

NOTE Confidence: 0.7752498

00:03:44.700 --> 00:03:45.690 an finally least,

NOTE Confidence: 0.7752498

00:03:45.690 --> 00:03:48.000 but not finally at last but not

NOTE Confidence: 0.7752498

00:03:48.072 --> 00:03:50.496 least will be Doctor Rachel Greenup,

NOTE Confidence: 0.7752498

00:03:50.500 --> 00:03:52.666 our section Chief for El surgery,

NOTE Confidence: 0.7752498

00:03:52.670 --> 00:03:54.725 discussing young women with breast

NOTE Confidence: 0.7752498

00:03:54.725 --> 00:03:55.958 cancer surgical perspective.

NOTE Confidence: 0.7752498

00:03:55.960 --> 00:03:58.095 Please put in as many questions as

NOTE Confidence: 0.7752498

00:03:58.095 --> 00:04:00.344 you like into the chat box will do

NOTE Confidence: 0.7752498

00:04:00.344 --> 00:04:02.862 our best at the end to go through

NOTE Confidence: 0.7752498

00:04:02.862 --> 00:04:05.226 your questions and hopefully have an

NOTE Confidence: 0.7752498

00:04:05.226 --> 00:04:07.230 interactive dialogue as much as possible.

NOTE Confidence: 0.7752498

00:04:07.230 --> 00:04:09.390 The nice thing is that this is going

NOTE Confidence: 0.7752498

00:04:09.390 --> 00:04:12.113 to be recorded so you can go back and

NOTE Confidence: 0.7752498

00:04:12.113 --> 00:04:14.230 watch or listen or certainly forward

NOTE Confidence: 0.7752498

00:04:14.230 --> 00:04:16.890 it to colleagues and friends or around

NOTE Confidence: 0.7752498

00:04:16.890 --> 00:04:18.816 the country and around the world.

NOTE Confidence: 0.7752498

00:04:18.820 --> 00:04:22.040 And this is the first of a three part series.

NOTE Confidence: 0.7752498

00:04:22.040 --> 00:04:25.470 Our next one will be May 27th.

NOTE Confidence: 0.7752498

00:04:25.470 --> 00:04:27.684 Will have Doctor Maryam Lustberg who's

NOTE Confidence: 0.7752498

00:04:27.684 --> 00:04:29.730 our incoming breast program director,

NOTE Confidence: 0.7752498

00:04:29.730 --> 00:04:31.980 speak along with Doctor Michael D

NOTE Confidence: 0.7752498

00:04:31.980 --> 00:04:33.980 Geovanna and Doctor Andrew Silver,

NOTE Confidence: 0.7752498

00:04:33.980 --> 00:04:35.920 so with no further ado,

NOTE Confidence: 0.7752498

00:04:35.920 --> 00:04:38.629 Doctor Elizabeth Berger, the podium is yours.

NOTE Confidence: 0.86935335

00:04:39.300 --> 00:04:40.596 Thank you Doctor Wilson

NOTE Confidence: 0.86935335

00:04:40.596 --> 00:04:41.568 for that introduction.

NOTE Confidence: 0.7862617

00:04:51.400 --> 00:04:52.764 Good morning I guess.

NOTE Confidence: 0.7862617

00:04:52.764 --> 00:04:53.787 Not good morning.

NOTE Confidence: 0.7862617

00:04:53.790 --> 00:04:54.918 Good afternoon everyone.

NOTE Confidence: 0.7862617

00:04:54.918 --> 00:04:57.550 My name is Elizabeth as Doctor Wilson

NOTE Confidence: 0.7862617

00:04:57.613 --> 00:04:59.647 mentioned and I'm a new assistant

NOTE Confidence: 0.7862617

00:04:59.647 --> 00:05:01.649 professor here at Yale and hopefully

NOTE Confidence: 0.7862617

00:05:01.649 --> 00:05:03.672 in the next 15 to 20 minutes.

NOTE Confidence: 0.7862617

00:05:03.680 --> 00:05:05.970 I'll be just reviewing some

NOTE Confidence: 0.7862617

00:05:05.970 --> 00:05:08.260 updates and breast cancer surgery.

NOTE Confidence: 0.7862617

00:05:08.260 --> 00:05:09.870 In kind of the 21st,

NOTE Confidence: 0.7862617

00:05:09.870 --> 00:05:12.446 if not the most recent five year history,

NOTE Confidence: 0.7862617

00:05:12.450 --> 00:05:15.597 so I'm sure a lot of you have seen this meme

NOTE Confidence: 0.7862617

00:05:15.597 --> 00:05:18.557 on Twitter or other places in the Internet.

NOTE Confidence: 0.7862617

00:05:18.560 --> 00:05:20.835 Now, where, how has it started and

NOTE Confidence: 0.7862617

00:05:20.835 --> 00:05:23.068 where how's it going so you know,

NOTE Confidence: 0.7862617

00:05:23.070 --> 00:05:25.743 I'm sure we all know it started back with

NOTE Confidence: 0.7862617

00:05:25.743 --> 00:05:28.216 really William Halsted in the late 1800s,

NOTE Confidence: 0.7862617

00:05:28.220 --> 00:05:29.830 thinking that breast cancer was,

NOTE Confidence: 0.7862617

00:05:29.830 --> 00:05:30.474 you know,

NOTE Confidence: 0.7862617

00:05:30.474 --> 00:05:32.084 kind of locally advanced disease,

NOTE Confidence: 0.7862617

00:05:32.090 --> 00:05:33.700 and so the whole side,

NOTE Confidence: 0.7862617

00:05:33.700 --> 00:05:35.812 mastectomy became kind of a routine

NOTE Confidence: 0.7862617

00:05:35.812 --> 00:05:37.844 operation for women where there was

NOTE Confidence: 0.7862617

00:05:37.844 --> 00:05:39.818 a removal of the PEC major muscle,

NOTE Confidence: 0.7862617

00:05:39.820 --> 00:05:41.260 the PEC minor muscle.

NOTE Confidence: 0.7862617

00:05:41.260 --> 00:05:44.105 Breast, all the lymph nodes and in fact,

NOTE Confidence: 0.7862617

00:05:44.110 --> 00:05:44.511 Interestingly,

NOTE Confidence: 0.7862617

00:05:44.511 --> 00:05:47.318 the removal of the muscle was felt

NOTE Confidence: 0.7862617

00:05:47.318 --> 00:05:48.943 because anatomically it was felt

NOTE Confidence: 0.7862617

00:05:48.943 --> 00:05:50.707 that doing a level 1-2 and three

NOTE Confidence: 0.7862617

00:05:50.771 --> 00:05:52.776 X axillary lymph node dissection

NOTE Confidence: 0.7862617

00:05:52.776 --> 00:05:54.380 was not anatomically feasible

NOTE Confidence: 0.7862617

00:05:54.380 --> 00:05:55.822 without removing that muscle.

NOTE Confidence: 0.7862617

00:05:55.822 --> 00:05:58.230 We've made a lot of progress since

NOTE Confidence: 0.7862617

00:05:58.300 --> 00:06:01.108 then and now we think more about just

NOTE Confidence: 0.7862617

00:06:01.108 --> 00:06:02.979 lumpectomy's saving the breast tissue.

NOTE Confidence: 0.7862617

00:06:02.980 --> 00:06:05.820 Not having to do so much axillary surgery.

NOTE Confidence: 0.7862617

00:06:05.820 --> 00:06:06.532 Bernie Fisher,

NOTE Confidence: 0.7862617

00:06:06.532 --> 00:06:09.024 one of my favorite quotes from him.

NOTE Confidence: 0.7862617

00:06:09.030 --> 00:06:12.486 In God we trust all others must have data.

NOTE Confidence: 0.7862617

00:06:12.490 --> 00:06:15.234 It was really revolutionary in our country,

NOTE Confidence: 0.7862617

00:06:15.240 --> 00:06:17.910 especially thinking about how we can

NOTE Confidence: 0.7862617

00:06:17.910 --> 00:06:20.539 start to deescalate surgical care and

NOTE Confidence: 0.7862617

00:06:20.539 --> 00:06:23.269 all care in breast cancer with similar

NOTE Confidence: 0.7862617

00:06:23.269 --> 00:06:25.510 oncologic outcomes for our patients.

NOTE Confidence: 0.7862617

00:06:25.510 --> 00:06:27.850 So in thinking about the

NOTE Confidence: 0.7862617

00:06:27.850 --> 00:06:30.190 deescalation of Breast Cancer Care.

NOTE Confidence: 0.7862617

00:06:30.190 --> 00:06:32.505 The Italians very easy were

NOTE Confidence: 0.7862617

00:06:32.505 --> 00:06:34.357 instrumental in thinking about

NOTE Confidence: 0.7862617

00:06:34.357 --> 00:06:36.689 how we can compare quadrant,

NOTE Confidence: 0.7862617

00:06:36.690 --> 00:06:39.350 ectomy and radiation to really

NOTE Confidence: 0.7862617

00:06:39.350 --> 00:06:42.010 this idea about Halsted mastectomy

NOTE Confidence: 0.7862617

00:06:42.092 --> 00:06:44.348 and so they conducted a well

NOTE Confidence: 0.7862617

00:06:44.348 --> 00:06:46.430 done study in the 1970s.

NOTE Confidence: 0.7862617

00:06:46.430 --> 00:06:48.182 Bernie Fisher in Petsburgh

NOTE Confidence: 0.7862617

00:06:48.182 --> 00:06:50.372 conducted the B6 trial looking

NOTE Confidence: 0.7862617

00:06:50.372 --> 00:06:52.929 at the total mastectomy versus.

NOTE Confidence: 0.794793912

00:06:55.070 --> 00:06:56.327 Lumpectomy with radiation.

NOTE Confidence: 0.794793912

00:06:56.327 --> 00:06:58.841 We then moved into the 1990s

NOTE Confidence: 0.794793912

00:06:58.841 --> 00:07:01.204 where we started thinking about

NOTE Confidence: 0.794793912

00:07:01.204 --> 00:07:03.072 deescalation of radiation therapy

NOTE Confidence: 0.794793912

00:07:03.072 --> 00:07:06.008 with the CLG trial with Kevin Hughes.

NOTE Confidence: 0.794793912

00:07:06.010 --> 00:07:09.034 Then Doctor Giuliano and a lot of

NOTE Confidence: 0.794793912

00:07:09.034 --> 00:07:11.333 other people looked at deescalation

NOTE Confidence: 0.794793912

00:07:11.333 --> 00:07:14.075 of axillary surgery in the 19

NOTE Confidence: 0.794793912

00:07:14.075 --> 00:07:16.379 late 1990s and early 2000s.

NOTE Confidence: 0.794793912

00:07:16.380 --> 00:07:19.680 With this 11 trial.

NOTE Confidence: 0.794793912

00:07:19.680 --> 00:07:20.326 Moving forward,

NOTE Confidence: 0.794793912

00:07:20.326 --> 00:07:22.264 we then thought about maybe there

NOTE Confidence: 0.794793912

00:07:22.264 --> 00:07:24.080 are even options to deescalate

NOTE Confidence: 0.794793912

00:07:24.080 --> 00:07:26.306 chemotherapy for some of our patients,

NOTE Confidence: 0.794793912

00:07:26.310 --> 00:07:29.034 especially in the ER PR positive

NOTE Confidence: 0.794793912

00:07:29.034 --> 00:07:31.590 cohorts with the tailor X trial.

NOTE Confidence: 0.794793912

00:07:31.590 --> 00:07:34.622 And now on going even there are multiple

NOTE Confidence: 0.794793912

00:07:34.622 --> 00:07:36.878 trials actually throughout the world,

NOTE Confidence: 0.794793912

00:07:36.880 --> 00:07:39.634 the common trials actually in the

NOTE Confidence: 0.794793912

00:07:39.634 --> 00:07:42.064 United States looking at deescalation

NOTE Confidence: 0.794793912

00:07:42.064 --> 00:07:44.120 of surgery and surveillance

NOTE Confidence: 0.794793912

00:07:44.120 --> 00:07:47.170 only for some subsets of DCIS.

NOTE Confidence: 0.794793912

00:07:47.170 --> 00:07:49.753 So we even now are talking about

NOTE Confidence: 0.794793912

00:07:49.753 --> 00:07:52.280 maybe we can actually eliminate

NOTE Confidence: 0.794793912

00:07:52.280 --> 00:07:55.620 surgery altogether with some patients.

NOTE Confidence: 0.794793912

00:07:55.620 --> 00:07:58.105 There are ongoing trials looking

NOTE Confidence: 0.794793912

00:07:58.105 --> 00:07:59.596 at excellent responders,

NOTE Confidence: 0.794793912

00:07:59.600 --> 00:08:02.080 and so these excellent responders

NOTE Confidence: 0.794793912

00:08:02.080 --> 00:08:04.064 are considered women who,

NOTE Confidence: 0.794793912

00:08:04.070 --> 00:08:05.855 after neoadjuvant chemotherapy,

NOTE Confidence: 0.794793912

00:08:05.855 --> 00:08:09.425 no longer have any residual radiologic

NOTE Confidence: 0.794793912

00:08:09.425 --> 00:08:12.126 findings of cancer in their breasts.

NOTE Confidence: 0.794793912

00:08:12.130 --> 00:08:14.727 All four actually of these trials are

NOTE Confidence: 0.794793912

00:08:14.727 --> 00:08:17.380 three main ones throughout the world.

NOTE Confidence: 0.794793912

00:08:17.380 --> 00:08:17.863 Again,

NOTE Confidence: 0.794793912

00:08:17.863 --> 00:08:21.244 have looked at can we buy Oxy

NOTE Confidence: 0.794793912

00:08:21.244 --> 00:08:23.470 these now radiologic?

NOTE Confidence: 0.794793912

00:08:23.470 --> 00:08:25.300 Areas where there is no longer

NOTE Confidence: 0.794793912

00:08:25.300 --> 00:08:26.923 cancer and maybe even avoid

NOTE Confidence: 0.794793912

00:08:26.923 --> 00:08:28.939 surgery on some of these patients,

NOTE Confidence: 0.794793912

00:08:28.940 --> 00:08:31.236 but the data is still pretty raw

NOTE Confidence: 0.794793912

00:08:31.236 --> 00:08:33.309 considering that in all these trials

NOTE Confidence: 0.794793912

00:08:33.309 --> 00:08:35.696 we still found a false negative rates

NOTE Confidence: 0.794793912

00:08:35.759 --> 00:08:37.747 very high and the thought is is

NOTE Confidence: 0.794793912

00:08:37.747 --> 00:08:39.533 that they did some subgroup analysis

NOTE Confidence: 0.794793912

00:08:39.533 --> 00:08:41.399 and felt that the false negative

NOTE Confidence: 0.794793912

00:08:41.399 --> 00:08:43.403 rate was lowest amongst her two

NOTE Confidence: 0.794793912

00:08:43.403 --> 00:08:45.038 positive in triple negative disease.

NOTE Confidence: 0.794793912

00:08:45.040 --> 00:08:45.394 However,

NOTE Confidence: 0.794793912

00:08:45.394 --> 00:08:47.872 these are really the highest group risk

NOTE Confidence: 0.794793912

00:08:47.872 --> 00:08:50.086 patients as we know to miss disease

NOTE Confidence: 0.794793912

00:08:50.086 --> 00:08:51.909 because of the ongoing or because

NOTE Confidence: 0.794793912

00:08:51.909 --> 00:08:54.128 of the trials that we've looked at.

NOTE Confidence: 0.794793912

00:08:54.130 --> 00:08:56.566 With the addition of TDM wanan capeside,

NOTE Confidence: 0.794793912

00:08:56.570 --> 00:08:58.994 it being the agent setting for her two

NOTE Confidence: 0.794793912

00:08:58.994 --> 00:09:00.839 positive season triple negative that

NOTE Confidence: 0.794793912

00:09:00.839 --> 00:09:03.197 improve overall and disease free survival.

NOTE Confidence: 0.794793912

00:09:03.200 --> 00:09:05.568 So although we might get to a point

NOTE Confidence: 0.794793912

00:09:05.568 --> 00:09:07.848 where if we have excellent responders

NOTE Confidence: 0.794793912

00:09:07.848 --> 00:09:10.879 and not have to perform surgery on them,

NOTE Confidence: 0.794793912

00:09:10.880 --> 00:09:13.250 I think that's still a

NOTE Confidence: 0.794793912

00:09:13.250 --> 00:09:15.620 little bit in the future.

NOTE Confidence: 0.794793912

00:09:15.620 --> 00:09:15.926 Alright,

NOTE Confidence: 0.794793912

00:09:15.926 --> 00:09:19.163 so if we have to do surgery on our patients

NOTE Confidence: 0.794793912

00:09:19.163 --> 00:09:22.026 then what are the really the updates?

NOTE Confidence: 0.794793912

00:09:22.030 --> 00:09:24.134 So I'm going to briefly touch on some

NOTE Confidence: 0.794793912

00:09:24.134 --> 00:09:26.530 of the GNU localization techniques that

NOTE Confidence: 0.794793912

00:09:26.530 --> 00:09:28.790 we're using for press conservation.

NOTE Confidence: 0.794793912

00:09:28.790 --> 00:09:30.572 What what our margin status and

NOTE Confidence: 0.794793912

00:09:30.572 --> 00:09:32.710 when should we re excited patients

NOTE Confidence: 0.794793912

00:09:32.710 --> 00:09:34.486 after they undergo surgery?

NOTE Confidence: 0.794793912

00:09:34.490 --> 00:09:35.778 Some ****** sparing discussions

NOTE Confidence: 0.794793912

00:09:35.778 --> 00:09:38.400 in terms of who is a candidate,

NOTE Confidence: 0.794793912

00:09:38.400 --> 00:09:40.437 the management of the XR on going

NOTE Confidence: 0.794793912

00:09:40.437 --> 00:09:41.841 discussions on going confusion

NOTE Confidence: 0.794793912

00:09:41.841 --> 00:09:43.737 about upfront surgical management,

NOTE Confidence: 0.794793912

00:09:43.740 --> 00:09:44.492 neoadjuvant therapy,

NOTE Confidence: 0.794793912

00:09:44.492 --> 00:09:46.748 and the surgical management of XR.

NOTE Confidence: 0.794793912

00:09:46.750 --> 00:09:48.962 A brief touch on stage four disease

NOTE Confidence: 0.794793912

00:09:48.962 --> 00:09:51.571 and in high risk lesions went to

NOTE Confidence: 0.794793912

00:09:51.571 --> 00:09:53.953 excise so wire localizations of breast

NOTE Confidence: 0.794793912

00:09:54.025 --> 00:09:56.245 lesions are has been very common

NOTE Confidence: 0.794793912

00:09:56.245 --> 00:09:58.460 across the country and many places

NOTE Confidence: 0.794793912

00:09:58.460 --> 00:10:00.285 actually are still using wires.

NOTE Confidence: 0.794793912

00:10:00.290 --> 00:10:00.649 However,

NOTE Confidence: 0.794793912

00:10:00.649 --> 00:10:03.162 we know that wires need to be

NOTE Confidence: 0.794793912

00:10:03.162 --> 00:10:05.418 placed the same day of surgery.

NOTE Confidence: 0.794793912

00:10:05.420 --> 00:10:07.245 There can be very challenging

NOTE Confidence: 0.794793912

00:10:07.245 --> 00:10:08.340 logistics with wires.

NOTE Confidence: 0.794793912

00:10:08.340 --> 00:10:10.302 They can lead to potential or

NOTE Confidence: 0.794793912

00:10:10.302 --> 00:10:12.947 delays of the wires placed in the

NOTE Confidence: 0.794793912

00:10:12.947 --> 00:10:14.631 morning and something happens

NOTE Confidence: 0.794793912

00:10:14.631 --> 00:10:15.894 and oftentimes they

NOTE Confidence: 0.8000743

00:10:15.963 --> 00:10:17.100 are gets delayed.

NOTE Confidence: 0.8000743

00:10:17.100 --> 00:10:18.660 These wires can get dislodge.

NOTE Confidence: 0.8000743

00:10:18.660 --> 00:10:19.908 They're often hanging outside

NOTE Confidence: 0.8000743

00:10:19.908 --> 00:10:21.156 of the women's breast,

NOTE Confidence: 0.8000743

00:10:21.160 --> 00:10:23.032 and so in travel and transport

NOTE Confidence: 0.8000743

00:10:23.032 --> 00:10:24.280 they can get dislodged.

NOTE Confidence: 0.8000743

00:10:24.280 --> 00:10:25.835 They can lead to larger

NOTE Confidence: 0.8000743

00:10:25.835 --> 00:10:27.079 lumpectomy specimens as well.

NOTE Confidence: 0.8000743

00:10:27.080 --> 00:10:28.328 Many patients complain of

NOTE Confidence: 0.8000743

00:10:28.328 --> 00:10:29.264 dissatisfaction being cold,

NOTE Confidence: 0.8000743

00:10:29.270 --> 00:10:30.830 being scared of having wires

NOTE Confidence: 0.8000743

00:10:30.830 --> 00:10:32.078 outside of their breasts,

NOTE Confidence: 0.8000743

00:10:32.080 --> 00:10:34.257 and then obviously, if the case were

NOTE Confidence: 0.8000743

00:10:34.257 --> 00:10:36.129 to get cancelled for any reason,

NOTE Confidence: 0.8000743

00:10:36.130 --> 00:10:37.996 those wires have to get replaced.

NOTE Confidence: 0.8000743

00:10:38.000 --> 00:10:40.488 They have to get removed and then replaced

NOTE Confidence: 0.8000743

00:10:40.488 --> 00:10:43.309 again if they have to come back for surgery.

NOTE Confidence: 0.8000743

00:10:43.310 --> 00:10:45.494 So what we've looked at then in

NOTE Confidence: 0.8000743

00:10:45.494 --> 00:10:48.730 how to localize, and this is just.

NOTE Confidence: 0.8000743

00:10:48.730 --> 00:10:51.178 A map from a study that was actually

NOTE Confidence: 0.8000743

00:10:51.178 --> 00:10:53.076 done looking at one institution's

NOTE Confidence: 0.8000743

00:10:53.076 --> 00:10:55.512 experience with wires and how many

NOTE Confidence: 0.8000743

00:10:55.512 --> 00:10:57.112 different touchpoints patients have

NOTE Confidence: 0.8000743

00:10:57.112 --> 00:10:59.737 when they actually have to get the

NOTE Confidence: 0.8000743

00:10:59.740 --> 00:11:02.309 wired on the same day of surgery,

NOTE Confidence: 0.8000743

00:11:02.310 --> 00:11:04.140 and as you can see,

NOTE Confidence: 0.8000743

00:11:04.140 --> 00:11:07.076 it's a mess of spaghetti if you will,

NOTE Confidence: 0.8000743

00:11:07.080 --> 00:11:09.294 because now what we are moving

NOTE Confidence: 0.8000743

00:11:09.294 --> 00:11:11.659 towards are what we call seeds.

NOTE Confidence: 0.8000743

00:11:11.660 --> 00:11:13.556 Seeds are a nice option for

NOTE Confidence: 0.8000743

00:11:13.556 --> 00:11:15.287 patients because they can get

NOTE Confidence: 0.8000743

00:11:15.287 --> 00:11:16.907 placed anytime before surgery.

NOTE Confidence: 0.8000743

00:11:16.910 --> 00:11:17.584 They aren't.

NOTE Confidence: 0.8000743

00:11:17.584 --> 00:11:19.606 They don't have to be placed

NOTE Confidence: 0.8000743

00:11:19.606 --> 00:11:21.109 the day of surgery.

NOTE Confidence: 0.8000743

00:11:21.110 --> 00:11:22.510 It completely decouples the

NOTE Confidence: 0.8000743

00:11:22.510 --> 00:11:24.260 scheduling of radiology and surgery,

NOTE Confidence: 0.8000743

00:11:24.260 --> 00:11:25.820 so that increases the flexibility

NOTE Confidence: 0.8000743

00:11:25.820 --> 00:11:27.068 with surgeon flexibility and

NOTE Confidence: 0.8000743

00:11:27.068 --> 00:11:28.459 with radiology flexibility,

NOTE Confidence: 0.8000743

00:11:28.460 --> 00:11:30.572 they've been shown in various different

NOTE Confidence: 0.8000743

00:11:30.572 --> 00:11:33.009 studies to minimize OR delays it allows.

NOTE Confidence: 0.8000743

00:11:33.010 --> 00:11:33.360 Obviously,

NOTE Confidence: 0.8000743

00:11:33.360 --> 00:11:35.110 for our first case start,

NOTE Confidence: 0.8000743

00:11:35.110 --> 00:11:37.672 the patient can get their seat placed

NOTE Confidence: 0.8000743

00:11:37.672 --> 00:11:41.044 a few days before and come in and still

NOTE Confidence: 0.8000743

00:11:41.044 --> 00:11:43.957 go to the operating room at 7:15 or 7.

NOTE Confidence: 0.8000743

00:11:43.960 --> 00:11:47.256 30 There have been data looking at that.

NOTE Confidence: 0.8000743

00:11:47.260 --> 00:11:49.235 They create smaller lumpectomy specimens

NOTE Confidence: 0.8000743

00:11:49.235 --> 00:11:51.210 and overall there's some reports

NOTE Confidence: 0.8000743

00:11:51.264 --> 00:11:53.048 on improved patient satisfaction.

NOTE Confidence: 0.8000743

00:11:53.050 --> 00:11:55.312 You know, they don't have to

NOTE Confidence: 0.8000743

00:11:55.312 --> 00:11:57.999 spend all day at the hospital.

NOTE Confidence: 0.8000743

00:11:58.000 --> 00:11:58.826 You know,

NOTE Confidence: 0.8000743

00:11:58.826 --> 00:12:01.717 they don't be NPO for so long,

NOTE Confidence: 0.8000743

00:12:01.720 --> 00:12:03.976 and they can get this done

NOTE Confidence: 0.8000743

00:12:03.976 --> 00:12:06.260 at their at their leisure.

NOTE Confidence: 0.8000743

00:12:06.260 --> 00:12:10.646 Kind of the previously to surgery.

NOTE Confidence: 0.8000743

00:12:10.650 --> 00:12:14.157 So in the Mount margins and how?

NOTE Confidence: 0.8000743

00:12:14.160 --> 00:12:18.669 How much is enough to take for breast tissue?

NOTE Confidence: 0.8000743

00:12:18.670 --> 00:12:21.170 One of our colleagues here,

NOTE Confidence: 0.8000743

00:12:21.170 --> 00:12:22.172 Doctor Moran,

NOTE Confidence: 0.8000743

00:12:22.172 --> 00:12:24.176 was instrumental in creating

NOTE Confidence: 0.8000743

00:12:24.176 --> 00:12:26.180 a consensus guideline study.

NOTE Confidence: 0.8000743

00:12:26.180 --> 00:12:28.032 An expert multidisciplinary panel.

NOTE Confidence: 0.8000743

00:12:28.032 --> 00:12:30.810 In looking at what should our

NOTE Confidence: 0.8000743

00:12:30.884 --> 00:12:33.200 margins before invasive disease,

NOTE Confidence: 0.8000743

00:12:33.200 --> 00:12:36.719 but also for DCIS and so there was a

NOTE Confidence: 0.8000743

00:12:36.719 --> 00:12:39.810 multi disciplinary panel convened.

NOTE Confidence: 0.8000743

00:12:39.810 --> 00:12:42.365 They looked at meta analysis of 33

NOTE Confidence: 0.8000743

00:12:42.365 --> 00:12:44.659 studies with over 28,000 patients,

NOTE Confidence: 0.8000743

00:12:44.660 --> 00:12:47.460 and in the invasive setting what they

NOTE Confidence: 0.8000743

00:12:47.460 --> 00:12:50.358 found was that no tumor on ink was

NOTE Confidence: 0.8000743

00:12:50.358 --> 00:12:53.493 a safe margin and that it did not

NOTE Confidence: 0.8000743

00:12:53.493 --> 00:12:56.367 increase its lateral breast tumor recurrence.

NOTE Confidence: 0.8000743

00:12:56.370 --> 00:12:59.610 If we truly had no tumor on ink,

NOTE Confidence: 0.8000743

00:12:59.610 --> 00:13:02.546 and the thought was that because of the

NOTE Confidence: 0.8000743

00:13:02.546 --> 00:13:04.860 systemic therapy after invasive disease,

NOTE Confidence: 0.8000743

00:13:04.860 --> 00:13:07.302 that this was a sufficient margin

NOTE Confidence: 0.8000743

00:13:07.302 --> 00:13:10.339 because of for the invasive disease.

NOTE Confidence: 0.8000743

00:13:10.340 --> 00:13:12.445 They asked the same question

NOTE Confidence: 0.8000743

00:13:12.445 --> 00:13:14.129 in the DCIS setting,

NOTE Confidence: 0.8000743

00:13:14.130 --> 00:13:17.066 So what we know about DCIS is that

NOTE Confidence: 0.8000743

00:13:17.066 --> 00:13:19.598 it often has skipped lesions.

NOTE Confidence: 0.8000743

00:13:19.600 --> 00:13:21.705 It's not just necessarily one

NOTE Confidence: 0.8000743

00:13:21.705 --> 00:13:23.389 focal mass and so,

NOTE Confidence: 0.8000743

00:13:23.390 --> 00:13:25.495 and we often don't give

NOTE Confidence: 0.8000743

00:13:25.495 --> 00:13:27.179 systemic therapy for DCIS,

NOTE Confidence: 0.8000743

00:13:27.180 --> 00:13:27.996 IE chemotherapy,

NOTE Confidence: 0.8000743

00:13:27.996 --> 00:13:30.852 so the thought was in looking at

NOTE Confidence: 0.8000743

00:13:30.852 --> 00:13:33.299 the analysis of over 30 studies

NOTE Confidence: 0.8000743

00:13:33.299 --> 00:13:35.259 for the DCIS panel with

NOTE Confidence: 0.7939793

00:13:35.343 --> 00:13:37.573 over 8000 patients with the

NOTE Confidence: 0.7939793

00:13:37.573 --> 00:13:40.154 thought was that 2 millimeters of.

NOTE Confidence: 0.7939793

00:13:40.154 --> 00:13:41.874 Margin was sufficient to reduce

NOTE Confidence: 0.7939793

00:13:41.874 --> 00:13:44.570 the risk of in breast recurrence.

NOTE Confidence: 0.7939793

00:13:44.570 --> 00:13:47.209 They did look at various margin widths.

NOTE Confidence: 0.7939793

00:13:47.210 --> 00:13:49.592 5 millimeters, 1 centimeter and further

NOTE Confidence: 0.7939793

00:13:49.592 --> 00:13:52.279 margin with did not decrease in breast

NOTE Confidence: 0.7939793

00:13:52.279 --> 00:13:54.680 recurrence and so to this day we

NOTE Confidence: 0.7939793

00:13:54.751 --> 00:13:57.037 still use the 2 millimeter margin.

NOTE Confidence: 0.7939793

00:13:57.040 --> 00:13:59.686 With for pure DCIS in the breast,

NOTE Confidence: 0.7939793

00:13:59.690 --> 00:14:01.958 no tumor on ink for invasive.

NOTE Confidence: 0.83158356

00:14:04.190 --> 00:14:06.782 And our very own Doctor Tag power here

NOTE Confidence: 0.83158356

00:14:06.782 --> 00:14:09.519 at Yale and multiple others here at

NOTE Confidence: 0.83158356

00:14:09.519 --> 00:14:12.037 Yale did a randomized control trial

NOTE Confidence: 0.83158356

00:14:12.037 --> 00:14:14.635 looking at this principle of margins,

NOTE Confidence: 0.83158356

00:14:14.640 --> 00:14:17.296 which was published not so long ago in

NOTE Confidence: 0.83158356

00:14:17.296 --> 00:14:20.057 the New England Journal of Medicine.

NOTE Confidence: 0.83158356

00:14:20.060 --> 00:14:22.382 The thought was is so people

NOTE Confidence: 0.83158356

00:14:22.382 --> 00:14:23.930 do margin very differently.

NOTE Confidence: 0.83158356

00:14:23.930 --> 00:14:26.096 In breast surgery some people take

NOTE Confidence: 0.83158356

00:14:26.096 --> 00:14:28.180 margins off the actual specimen.

NOTE Confidence: 0.83158356

00:14:28.180 --> 00:14:30.115 Some do full shave margins

NOTE Confidence: 0.83158356

00:14:30.115 --> 00:14:31.663 within the cavity routinely.

NOTE Confidence: 0.83158356

00:14:31.670 --> 00:14:33.630 Some do select margins based

NOTE Confidence: 0.83158356

00:14:33.630 --> 00:14:35.198 upon what their image.

NOTE Confidence: 0.83158356

00:14:35.200 --> 00:14:36.448 What's their specimen?

NOTE Confidence: 0.83158356

00:14:36.448 --> 00:14:38.944 Looks like on the image radiograph

NOTE Confidence: 0.83158356

00:14:38.944 --> 00:14:41.812 and so this trial asked that very

NOTE Confidence: 0.83158356

00:14:41.812 --> 00:14:43.896 question about whether shave margins

NOTE Confidence: 0.83158356

00:14:43.896 --> 00:14:46.046 help with decreasing margin positive

NOTE Confidence: 0.83158356

00:14:46.046 --> 00:14:48.584 ITI they looked at 235 patients.

NOTE Confidence: 0.83158356

00:14:48.584 --> 00:14:51.433 They were randomized so they underwent a

NOTE Confidence: 0.83158356

00:14:51.433 --> 00:14:54.012 lumpectomy and then they were randomized

NOTE Confidence: 0.83158356

00:14:54.012 --> 00:14:56.112 to essentially no additional straight

NOTE Confidence: 0.83158356

00:14:56.179 --> 00:14:58.249 margins or routine shape margins.

NOTE Confidence: 0.83158356

00:14:58.250 --> 00:15:00.340 And as you can imagine,

NOTE Confidence: 0.83158356

00:15:00.340 --> 00:15:03.119 what they found was that in routine

NOTE Confidence: 0.83158356

00:15:03.119 --> 00:15:05.838 shape margins it reduced the margin.

NOTE Confidence: 0.83158356

00:15:05.840 --> 00:15:08.042 Margin positive ITI rate and the

NOTE Confidence: 0.83158356

00:15:08.042 --> 00:15:09.903 reexcision rate so less patients

NOTE Confidence: 0.83158356

00:15:09.903 --> 00:15:12.150 had to go back to the operating

NOTE Confidence: 0.83158356

00:15:12.150 --> 00:15:14.700 room for further re excisions less

NOTE Confidence: 0.83158356

00:15:14.700 --> 00:15:16.536 patients had positive margins.

NOTE Confidence: 0.83158356

00:15:16.540 --> 00:15:19.347 So if we're not doing breast conservation

NOTE Confidence: 0.83158356

00:15:19.347 --> 00:15:21.889 and we're thinking about mastectomies,

NOTE Confidence: 0.83158356

00:15:21.890 --> 00:15:25.274 what are some of the options

NOTE Confidence: 0.83158356

00:15:25.274 --> 00:15:27.530 for patients in mastectomies?

NOTE Confidence: 0.83158356

00:15:27.530 --> 00:15:30.833 We've now had a lot longer term data in

NOTE Confidence: 0.83158356

00:15:30.833 --> 00:15:32.734 looking at ****** sparing mastectomy's.

NOTE Confidence: 0.83158356

00:15:32.734 --> 00:15:34.966 The data is still relatively new.

NOTE Confidence: 0.83158356

00:15:34.970 --> 00:15:36.470 Consider all things considered,

NOTE Confidence: 0.83158356

00:15:36.470 --> 00:15:38.720 but a lot more longitudinal data

NOTE Confidence: 0.83158356

00:15:38.784 --> 00:15:40.174 that ****** sparing mastectomy's

NOTE Confidence: 0.83158356

00:15:40.174 --> 00:15:42.034 are safe for patients uncle.

NOTE Confidence: 0.83158356

00:15:42.040 --> 00:15:42.436 Logically,

NOTE Confidence: 0.83158356

00:15:42.436 --> 00:15:44.416 however there are definitely criteria

NOTE Confidence: 0.83158356

00:15:44.416 --> 00:15:46.705 that we consider when we think

NOTE Confidence: 0.83158356

00:15:46.705 --> 00:15:48.403 about performing a ****** sparing

NOTE Confidence: 0.83158356

00:15:48.403 --> 00:15:50.055 mastectomy conservatively I would

NOTE Confidence: 0.83158356

00:15:50.055 --> 00:15:53.688 say a lot of people still use the two

NOTE Confidence: 0.83158356

00:15:53.688 --> 00:15:55.926 centimeters that the cancer should be

NOTE Confidence: 0.83158356

00:15:55.995 --> 00:15:58.365 2 centimeters away from the ******.

NOTE Confidence: 0.83158356

00:15:58.370 --> 00:16:00.440 Oftentimes we think about early stage

NOTE Confidence: 0.83158356

00:16:00.440 --> 00:16:02.540 breast cancer patients as appropriate.

NOTE Confidence: 0.83158356

00:16:02.540 --> 00:16:03.984 ****** sparing mastectomy candidate.

NOTE Confidence: 0.83158356

00:16:03.984 --> 00:16:06.150 The idea of multi focal multi

NOTE Confidence: 0.83158356

00:16:06.213 --> 00:16:07.089 centric disease.

NOTE Confidence: 0.83158356

00:16:07.090 --> 00:16:09.736 Most people will stay away from offering

NOTE Confidence: 0.83158356

00:16:09.736 --> 00:16:11.876 a ****** sparing for those patients.

NOTE Confidence: 0.83158356

00:16:11.876 --> 00:16:14.433 And of course if they have any

NOTE Confidence: 0.83158356

00:16:14.433 --> 00:16:16.558 significant ptosis of the brassware,

NOTE Confidence: 0.83158356

00:16:16.560 --> 00:16:18.080 their cosmetic outcome wouldn't

NOTE Confidence: 0.83158356

00:16:18.080 --> 00:16:18.840 be inappropriate.

NOTE Confidence: 0.83158356

00:16:18.840 --> 00:16:20.884 Cosmetic outcome for ******

NOTE Confidence: 0.83158356

00:16:20.884 --> 00:16:21.906 sparing mastectomy.

NOTE Confidence: 0.83158356

00:16:21.910 --> 00:16:23.722 Prophylactic surgery is a great option

NOTE Confidence: 0.83158356

00:16:23.722 --> 00:16:25.775 for patients if they are undergoing

NOTE Confidence: 0.83158356

00:16:25.775 --> 00:16:27.691 prophylactic surgery for ****** sparing.

NOTE Confidence: 0.83158356

00:16:27.691 --> 00:16:30.078 Mastectomy is an I'll show you a

NOTE Confidence: 0.83158356

00:16:30.078 --> 00:16:32.142 trial looking at the Braca population

NOTE Confidence: 0.83158356

00:16:32.142 --> 00:16:33.470 and in ****** sparing's.

NOTE Confidence: 0.83158356

00:16:33.470 --> 00:16:34.830 Strong contraindications for ******

NOTE Confidence: 0.83158356

00:16:34.830 --> 00:16:37.242 sparing so any locally advanced or

NOTE Confidence: 0.83158356

00:16:37.242 --> 00:16:39.445 inflammatory breast cancer or we do

NOTE Confidence: 0.83158356

00:16:39.445 --> 00:16:41.557 not want to leave skin behind and so

NOTE Confidence: 0.83158356

00:16:41.621 --> 00:16:44.008 we would not offer our patients ******

NOTE Confidence: 0.83158356

00:16:44.010 --> 00:16:46.050 Springs for those types of cancers.

NOTE Confidence: 0.83158356

00:16:46.050 --> 00:16:47.772 Any kind of skin involvement and

NOTE Confidence: 0.83158356

00:16:47.772 --> 00:16:49.829 of course any kind of pathological

NOTE Confidence: 0.83158356

00:16:49.829 --> 00:16:51.959 radiologic involvement of the ******.

NOTE Confidence: 0.83158356

00:16:51.960 --> 00:16:53.240 Our clinical involvement of

NOTE Confidence: 0.83158356

00:16:53.240 --> 00:16:54.486 the ****** as well,

NOTE Confidence: 0.83158356

00:16:54.486 --> 00:16:56.304 and then we think about high

NOTE Confidence: 0.83158356

00:16:56.304 --> 00:16:58.038 risk patients for Noble Springs.

NOTE Confidence: 0.83158356

00:16:58.040 --> 00:16:59.774 Not that we wouldn't offer them

NOTE Confidence: 0.83158356

00:16:59.774 --> 00:17:01.356 if they're smokers or diabetics

NOTE Confidence: 0.83158356

00:17:01.356 --> 00:17:02.840 or a previous radiation,

NOTE Confidence: 0.83158356

00:17:02.840 --> 00:17:04.784 but we definitely counsel patients in

NOTE Confidence: 0.83158356

00:17:04.784 --> 00:17:07.026 terms of them having higher risk of

NOTE Confidence: 0.83158356

00:17:07.026 --> 00:17:09.960 ****** necrosis with these risk factors.

NOTE Confidence: 0.83158356

00:17:09.960 --> 00:17:12.991 So looking at the Uncle Logic safety

NOTE Confidence: 0.83158356

00:17:12.991 --> 00:17:14.723 of prophylactic ****** sparing

NOTE Confidence: 0.83158356

00:17:14.723 --> 00:17:16.888 mastectomy in the Bracco population,

NOTE Confidence: 0.8060805

00:17:16.890 --> 00:17:19.606 about 550 patients were looked at in

NOTE Confidence: 0.8060805

00:17:19.606 --> 00:17:23.230 this JAMA study and found that there was

NOTE Confidence: 0.8060805

00:17:23.230 --> 00:17:25.615 no ipsilateral breast cancer recurrence

NOTE Confidence: 0.8060805

00:17:25.695 --> 00:17:28.145 in the risk reducing ****** sparing

NOTE Confidence: 0.8060805

00:17:28.145 --> 00:17:31.190 mastectomy group so it was deemed a

NOTE Confidence: 0.8060805

00:17:31.190 --> 00:17:33.542 safe technical procedure thinking also

NOTE Confidence: 0.8060805

00:17:33.542 --> 00:17:36.804 keeping in mind though that the median

NOTE Confidence: 0.8060805

00:17:36.879 --> 00:17:39.959 followups are still only 34 or 56 months.

NOTE Confidence: 0.8060805

00:17:39.960 --> 00:17:41.955 These are obviously getting more

NOTE Confidence: 0.8060805

00:17:41.955 --> 00:17:44.200 longitudinal as as time progress is,

NOTE Confidence: 0.8060805

00:17:44.200 --> 00:17:45.672 but overall you know.

NOTE Confidence: 0.8060805

00:17:45.672 --> 00:17:49.048 I think we all agree that ****** sparing's

NOTE Confidence: 0.8060805

00:17:49.048 --> 00:17:52.138 are safer genetic variant carriers.

NOTE Confidence: 0.8060805

00:17:52.140 --> 00:17:54.240 And then what about the contralateral

NOTE Confidence: 0.8060805

00:17:54.240 --> 00:17:55.290 prophylactic mastectomy conversation?

NOTE Confidence: 0.8060805

00:17:55.290 --> 00:17:55.916 You know?

NOTE Confidence: 0.8060805

00:17:55.916 --> 00:17:58.420 I think a lot of women come into

NOTE Confidence: 0.8060805

00:17:58.495 --> 00:18:01.099 clinic saying I want both of my

NOTE Confidence: 0.8060805

00:18:01.099 --> 00:18:03.340 breasts removed if I have cancer.

NOTE Confidence: 0.8060805

00:18:03.340 --> 00:18:05.440 I never want this coming back.

NOTE Confidence: 0.8060805

00:18:05.440 --> 00:18:07.792 I don't want it to spread from

NOTE Confidence: 0.8060805

00:18:07.792 --> 00:18:09.640 one breast to the other.

NOTE Confidence: 0.8060805

00:18:09.640 --> 00:18:11.390 We know breast cancer doesn't

NOTE Confidence: 0.8060805

00:18:11.390 --> 00:18:12.440 spread that way.

NOTE Confidence: 0.8060805

00:18:12.440 --> 00:18:13.916 We know that contralateral

NOTE Confidence: 0.8060805

00:18:13.916 --> 00:18:15.392 prophylactic mastectomy is actually

NOTE Confidence: 0.8060805

00:18:15.392 --> 00:18:17.339 not associated with a survival benefit.

NOTE Confidence: 0.8060805

00:18:17.340 --> 00:18:18.740 It's double the surgery.

NOTE Confidence: 0.8060805

00:18:18.740 --> 00:18:20.840 It's double the risk of complication.

NOTE Confidence: 0.8060805

00:18:20.840 --> 00:18:22.870 It's double the recovery time.

NOTE Confidence: 0.8060805

00:18:22.870 --> 00:18:23.815 It's definitely appropriate

NOTE Confidence: 0.8060805

00:18:23.815 --> 00:18:25.075 in for some women,

NOTE Confidence: 0.8060805

00:18:25.080 --> 00:18:26.796 and you know if the anxiety

NOTE Confidence: 0.8060805

00:18:26.796 --> 00:18:28.683 and the angst of having breast

NOTE Confidence: 0.8060805

00:18:28.683 --> 00:18:31.056 cancer is just too much for them.

NOTE Confidence: 0.8060805

00:18:31.060 --> 00:18:32.470 I think that's in completely appropriate

NOTE Confidence: 0.8060805

00:18:32.470 --> 00:18:33.961 reason to do a contralateral

NOTE Confidence: 0.8060805

00:18:33.961 --> 00:18:35.470 profiler prophylactic mastectomy,

NOTE Confidence: 0.8060805

00:18:35.470 --> 00:18:37.710 but I think making sure that the

NOTE Confidence: 0.8060805

00:18:37.710 --> 00:18:39.903 patients understand and have a have a

NOTE Confidence: 0.8060805

00:18:39.903 --> 00:18:41.655 good understanding of the data behind

NOTE Confidence: 0.8060805

00:18:41.713 --> 00:18:43.657 why they're choosing such a thing.

NOTE Confidence: 0.8060805

00:18:43.660 --> 00:18:45.555 There's also you know ****** dysfunction,

NOTE Confidence: 0.8060805

00:18:45.555 --> 00:18:46.815 psychological dysfunction with losing

NOTE Confidence: 0.8060805

00:18:46.815 --> 00:18:48.390 sensation of their entire chest,

NOTE Confidence: 0.8060805

00:18:48.390 --> 00:18:49.960 all things to think about,

NOTE Confidence: 0.8060805

00:18:49.960 --> 00:18:51.736 and to really encourage a shared

NOTE Confidence: 0.8060805

00:18:51.736 --> 00:18:53.430 decision making with your patience.

NOTE Confidence: 0.8320103

00:18:55.660 --> 00:18:57.208 So the surgical management

NOTE Confidence: 0.8320103

00:18:57.208 --> 00:18:59.143 of the XR has changed.

NOTE Confidence: 0.8320103

00:18:59.150 --> 00:19:01.502 I would argue drastically in the last

NOTE Confidence: 0.8320103

00:19:01.502 --> 00:19:03.915 20 years where we're obviously using

NOTE Confidence: 0.8320103

00:19:03.915 --> 00:19:06.140 a lot more neoadjuvant therapies.

NOTE Confidence: 0.8320103

00:19:06.140 --> 00:19:07.432 Now for our patients,

NOTE Confidence: 0.8320103

00:19:07.432 --> 00:19:09.370 targeted therapies for the her two

NOTE Confidence: 0.8320103

00:19:09.436 --> 00:19:11.486 positive patients were thinking more

NOTE Confidence: 0.8320103

00:19:11.486 --> 00:19:13.536 about immunotherapy for the triple

NOTE Confidence: 0.8320103

00:19:13.600 --> 00:19:15.448 negative breast cancer patients.

NOTE Confidence: 0.8320103

00:19:15.450 --> 00:19:18.218 So what we know is that in looking

NOTE Confidence: 0.8320103

00:19:18.218 --> 00:19:20.489 at Sentinel lymph node biopsy's,

NOTE Confidence: 0.8320103

00:19:20.490 --> 00:19:22.812 there are two ways to localize

NOTE Confidence: 0.8320103

00:19:22.812 --> 00:19:23.973 Sentinel lymph nodes.

NOTE Confidence: 0.8320103

00:19:23.980 --> 00:19:24.648 Blue dye.

NOTE Confidence: 0.8320103

00:19:24.648 --> 00:19:26.318 Whether it's methylene blue or

NOTE Confidence: 0.8320103

00:19:26.318 --> 00:19:28.871 I so flooring blue and then are

NOTE Confidence: 0.8320103

00:19:28.871 --> 00:19:30.355 usually a radioactive isotope,

NOTE Confidence: 0.8320103

00:19:30.360 --> 00:19:33.560 technetium is one of them.

NOTE Confidence: 0.8320103

00:19:33.560 --> 00:19:34.912 Some surgeons use both.

NOTE Confidence: 0.8320103

00:19:34.912 --> 00:19:36.602 Some surgeons just use one.

NOTE Confidence: 0.8320103

00:19:36.610 --> 00:19:39.025 We do know that in the upfront

NOTE Confidence: 0.8320103

00:19:39.025 --> 00:19:40.800 surgical setting the we find

NOTE Confidence: 0.8320103

00:19:40.800 --> 00:19:42.792 that the false negative rate of

NOTE Confidence: 0.8320103

00:19:42.792 --> 00:19:44.406 less than 10% is inappropriate.

NOTE Confidence: 0.8320103

00:19:44.406 --> 00:19:46.096 False negative rate for Sentinel,

NOTE Confidence: 0.8320103

00:19:46.100 --> 00:19:48.038 lymph node biopsy's and that single

NOTE Confidence: 0.8320103

00:19:48.038 --> 00:19:49.740 tracer is appropriate in the

NOTE Confidence: 0.8320103

00:19:49.740 --> 00:19:51.490 upfront surgical setting for that

NOTE Confidence: 0.8320103

00:19:51.490 --> 00:19:53.220 principle of false negative rate.

NOTE Confidence: 0.8320103

00:19:53.220 --> 00:19:55.392 I only show these pictures because

NOTE Confidence: 0.8320103

00:19:55.392 --> 00:19:57.802 I think it's helpful to really see

NOTE Confidence: 0.8320103

00:19:57.802 --> 00:20:00.293 what the gamma probe is that we use

NOTE Confidence: 0.8320103

00:20:00.293 --> 00:20:03.045 to find that radioactive isotope in the XR.

NOTE Confidence: 0.8320103

00:20:03.050 --> 00:20:05.090 The blue dye really does work.

NOTE Confidence: 0.8320103

00:20:05.090 --> 00:20:06.482 We find blue nodes.

NOTE Confidence: 0.8320103

00:20:06.482 --> 00:20:08.222 That are are representative of

NOTE Confidence: 0.8320103

00:20:08.222 --> 00:20:09.814 Sentinel lymph node and just

NOTE Confidence: 0.8320103

00:20:09.814 --> 00:20:11.584 the principle of the level one

NOTE Confidence: 0.8320103

00:20:11.647 --> 00:20:13.712 Level 2 and then going back to

NOTE Confidence: 0.8320103

00:20:13.712 --> 00:20:15.506 the beginning slide of the whole.

NOTE Confidence: 0.8320103

00:20:15.506 --> 00:20:16.110 So mastectomy.

NOTE Confidence: 0.8320103

00:20:16.110 --> 00:20:18.511 Really the Level 3 lymph nodes that

NOTE Confidence: 0.8320103

00:20:18.511 --> 00:20:21.078 are medial to the PEC minor muscle.

NOTE Confidence: 0.8320103

00:20:21.080 --> 00:20:24.300 So in the upfront setting.

NOTE Confidence: 0.8320103

00:20:24.300 --> 00:20:26.848 If we have clinically node negative patients,

NOTE Confidence: 0.8320103

00:20:26.850 --> 00:20:29.394 we can offer them a central lymph node

NOTE Confidence: 0.8320103

00:20:29.394 --> 00:20:31.730 biopsy if they have any clinically

NOTE Confidence: 0.8320103

00:20:31.730 --> 00:20:33.760 palpable adenopathy in the XR.

NOTE Confidence: 0.8320103

00:20:33.760 --> 00:20:36.136 Right now the the right answer is to

NOTE Confidence: 0.8320103

00:20:36.136 --> 00:20:38.858 do an actual lymph node dissection.

NOTE Confidence: 0.8320103

00:20:38.860 --> 00:20:42.000 If we're doing upfront surgery.

NOTE Confidence: 0.8320103

00:20:42.000 --> 00:20:44.004 Keeping in mind that if they're

NOTE Confidence: 0.8320103

00:20:44.004 --> 00:20:45.006 clinically node negative,

NOTE Confidence: 0.8320103

00:20:45.010 --> 00:20:47.683 the Z 11 trial and there was the ammo

NOTE Confidence: 0.8320103

00:20:47.683 --> 00:20:50.234 amaros trial and there was a lot of

NOTE Confidence: 0.8320103

00:20:50.234 --> 00:20:51.997 other good trials actually happening

NOTE Confidence: 0.8320103

00:20:51.997 --> 00:20:55.029 around the same time as the 11 trial.

NOTE Confidence: 0.8320103

00:20:55.030 --> 00:20:56.362 This just happened to

NOTE Confidence: 0.8320103

00:20:56.362 --> 00:20:58.027 occur in the United States,

NOTE Confidence: 0.8320103

00:20:58.030 --> 00:21:00.179 so we do tend to talk about

NOTE Confidence: 0.8320103

00:21:00.179 --> 00:21:02.039 it a lot more here.

NOTE Confidence: 0.8320103

00:21:02.040 --> 00:21:04.044 But what we found was that

NOTE Confidence: 0.8320103

00:21:04.044 --> 00:21:05.380 in the upfront setting,

NOTE Confidence: 0.8320103

00:21:05.380 --> 00:21:07.276 if there was no clinically couple

NOTE Confidence: 0.8320103

00:21:07.276 --> 00:21:09.599 adenopathy in the XR that we could

NOTE Confidence: 0.8320103

00:21:09.599 --> 00:21:11.264 leave some maxillary disease behind

NOTE Confidence: 0.8320103

00:21:11.264 --> 00:21:13.460 with no sacrifice of Uncle Logic.

NOTE Confidence: 0.8320103

00:21:13.460 --> 00:21:15.460 Outcomes so these 900 women,

NOTE Confidence: 0.8320103

00:21:15.460 --> 00:21:17.530 about 850 patients were randomized

NOTE Confidence: 0.8320103

00:21:17.530 --> 00:21:19.600 to either axillary lymph node

NOTE Confidence: 0.8320103

00:21:19.666 --> 00:21:21.606 dissection or no additional axillary

NOTE Confidence: 0.8320103

00:21:21.606 --> 00:21:24.375 surgery if they had one or two

NOTE Confidence: 0.8320103

00:21:24.375 --> 00:21:26.280 positive Sentinel lymph nodes on

NOTE Confidence: 0.8320103

00:21:26.280 --> 00:21:28.182 their central lymph node biopsy.

NOTE Confidence: 0.8320103

00:21:28.182 --> 00:21:28.934 And Interestingly,

NOTE Confidence: 0.8320103

00:21:28.934 --> 00:21:32.210 in the patients who want to access section,

NOTE Confidence: 0.8320103

00:21:32.210 --> 00:21:34.604 28% of them had additional additional

NOTE Confidence: 0.8320103

00:21:34.604 --> 00:21:36.200 positive axillary lymph nodes.

NOTE Confidence: 0.8320103

00:21:36.200 --> 00:21:38.600 However, thinking that it was randomized,

NOTE Confidence: 0.8320103

00:21:38.600 --> 00:21:41.688 the patients who did not go on to

NOTE Confidence: 0.8320103

00:21:41.688 --> 00:21:43.499 additional surgery probably had.

NOTE Confidence: 0.8320103

00:21:43.500 --> 00:21:44.484 Additional axillary disease

NOTE Confidence: 0.8320103

00:21:44.484 --> 00:21:45.796 that was left behind,

NOTE Confidence: 0.8320103

00:21:45.800 --> 00:21:47.823 and we found that there was no

NOTE Confidence: 0.8320103

00:21:47.823 --> 00:21:49.400 difference in axillary recurrences,

NOTE Confidence: 0.8320103

00:21:49.400 --> 00:21:51.040 survival, or disease free survival,

NOTE Confidence: 0.8320103

00:21:51.040 --> 00:21:53.273 so we feel comfortable now that if

NOTE Confidence: 0.8320103

00:21:53.273 --> 00:21:55.652 patients who have one or two positive

NOTE Confidence: 0.8320103

00:21:55.652 --> 00:21:57.680 lymph nodes on settling down biopsy

NOTE Confidence: 0.791849429999999

00:21:57.744 --> 00:21:59.309 in the upfront surgical setting

NOTE Confidence: 0.791849429999999

00:21:59.309 --> 00:22:02.416 that we do not need to go on

NOTE Confidence: 0.791849429999999

00:22:02.416 --> 00:22:04.976 to perform the access section.

NOTE Confidence: 0.791849429999999

00:22:04.980 --> 00:22:07.584 However, I think that

NOTE Confidence: 0.791849429999999

00:22:07.584 --> 00:22:10.839 principle is going to become.

NOTE Confidence: 0.791849429999999

00:22:10.840 --> 00:22:13.710 More challenge maybe if you will with

NOTE Confidence: 0.791849429999999

00:22:13.710 --> 00:22:16.809 these new results of the RX Ponder trials.

NOTE Confidence: 0.791849429999999

00:22:16.810 --> 00:22:19.568 So in ER positive disease the tailor

NOTE Confidence: 0.791849429999999

00:22:19.568 --> 00:22:23.053 X trial as I showed you a few slides

NOTE Confidence: 0.791849429999999

00:22:23.053 --> 00:22:25.958 ago looked back in the early 2000s.

NOTE Confidence: 0.791849429999999

00:22:25.960 --> 00:22:27.950 Looked at ER positive disease

NOTE Confidence: 0.791849429999999

00:22:27.950 --> 00:22:29.144 node negative patients,

NOTE Confidence: 0.791849429999999

00:22:29.150 --> 00:22:31.929 and who benefited from chemotherapy or not.

NOTE Confidence: 0.791849429999999

00:22:31.930 --> 00:22:34.318 The Oncotype score is a genomic.

NOTE Confidence: 0.791849429999999

00:22:34.320 --> 00:22:36.228 The genomic testing on

NOTE Confidence: 0.791849429999999

00:22:36.228 --> 00:22:38.136 the actual tumor itself.

NOTE Confidence: 0.791849429999999

00:22:38.140 --> 00:22:40.276 And it gives us a score from zero

NOTE Confidence: 0.791849429999999

00:22:40.276 --> 00:22:42.849 to 50 and it was a non inferior

NOTE Confidence: 0.791849429999999

00:22:42.849 --> 00:22:45.046 trial looking at women who either

NOTE Confidence: 0.791849429999999

00:22:45.046 --> 00:22:47.470 got hormone therapy or loan or

NOTE Confidence: 0.791849429999999

00:22:47.470 --> 00:22:49.312 chemotherapy plus hormone therapy and

NOTE Confidence: 0.791849429999999

00:22:49.312 --> 00:22:52.000 an if their score was less than 25,

NOTE Confidence: 0.791849429999999

00:22:52.000 --> 00:22:54.520 we felt that we found that they did

NOTE Confidence: 0.791849429999999

00:22:54.520 --> 00:22:56.746 not benefit from chemotherapy and

NOTE Confidence: 0.791849429999999

00:22:56.746 --> 00:22:58.778 hormone therapy was sufficient.

NOTE Confidence: 0.791849429999999

00:22:58.780 --> 00:23:00.740 That was in the node.

NOTE Confidence: 0.791849429999999

00:23:00.740 --> 00:23:01.520 Negative patients,

NOTE Confidence: 0.791849429999999

00:23:01.520 --> 00:23:03.470 however the RX Ponder trial,

NOTE Confidence: 0.791849429999999

00:23:03.470 --> 00:23:04.994 which is still ongoing,

NOTE Confidence: 0.791849429999999

00:23:04.994 --> 00:23:06.899 but we got preliminary results

NOTE Confidence: 0.791849429999999

00:23:06.899 --> 00:23:09.317 just about four months ago at

NOTE Confidence: 0.791849429999999

00:23:09.317 --> 00:23:10.893 San Antonio Breast Conference.

NOTE Confidence: 0.791849429999999

00:23:10.900 --> 00:23:12.855 Looked at the same question

NOTE Confidence: 0.791849429999999

00:23:12.855 --> 00:23:14.810 in now node positive patients,

NOTE Confidence: 0.791849429999999

00:23:14.810 --> 00:23:17.156 one to three node positive patients,

NOTE Confidence: 0.791849429999999

00:23:17.160 --> 00:23:21.336 one one or two or three positive lymph nodes.

NOTE Confidence: 0.791849429999999

00:23:21.340 --> 00:23:23.587 And what we think is their finding

NOTE Confidence: 0.791849429999999

00:23:23.587 --> 00:23:25.448 the same things that women who

NOTE Confidence: 0.791849429999999

00:23:25.448 --> 00:23:27.380 have a score of less than 25

NOTE Confidence: 0.791849429999999

00:23:27.450 --> 00:23:29.378 hormone therapy is sufficient.

NOTE Confidence: 0.791849429999999

00:23:29.380 --> 00:23:30.568 Keeping in mind, though,

NOTE Confidence: 0.791849429999999

00:23:30.568 --> 00:23:32.834 that this is in the in the

NOTE Confidence: 0.791849429999999

00:23:32.834 --> 00:23:34.070 post menopausal women,

NOTE Confidence: 0.791849429999999

00:23:34.070 --> 00:23:36.090 we still think that chemotherapy

NOTE Confidence: 0.791849429999999

00:23:36.090 --> 00:23:37.706 benefits pre menopausal women.

NOTE Confidence: 0.791849429999999

00:23:37.710 --> 00:23:40.950 So what does that mean for us as surgeons?

NOTE Confidence: 0.791849429999999

00:23:40.950 --> 00:23:42.034 What it means is,

NOTE Confidence: 0.791849429999999

00:23:42.034 --> 00:23:45.058 is that if a woman has a clinically palpable

NOTE Confidence: 0.791849429999999

00:23:45.058 --> 00:23:48.145 lymph node and wants to avoid chemotherapy,

NOTE Confidence: 0.791849429999999

00:23:48.150 --> 00:23:50.112 then it could be possible where

NOTE Confidence: 0.791849429999999

00:23:50.112 --> 00:23:52.469 we take them to surgery first,

NOTE Confidence: 0.791849429999999

00:23:52.470 --> 00:23:55.062 we do an access section to find exactly

NOTE Confidence: 0.791849429999999

00:23:55.062 --> 00:23:57.868 how many positive lymph nodes they have,

NOTE Confidence: 0.791849429999999

00:23:57.870 --> 00:24:00.550 and then we could potentially

NOTE Confidence: 0.791849429999999

00:24:00.550 --> 00:24:02.694 avoid giving them chemotherapy.

NOTE Confidence: 0.791849429999999

00:24:02.700 --> 00:24:03.053 Alright,

NOTE Confidence: 0.791849429999999

00:24:03.053 --> 00:24:05.171 So what about if we give

NOTE Confidence: 0.791849429999999

00:24:05.171 --> 00:24:06.230 patients neoadjuvant therapy?

NOTE Confidence: 0.791849429999999

00:24:06.230 --> 00:24:06.594 Historically,

NOTE Confidence: 0.791849429999999

00:24:06.594 --> 00:24:08.778 the standard of care for clinically

NOTE Confidence: 0.791849429999999

00:24:08.778 --> 00:24:10.587 no positive patients even after

NOTE Confidence: 0.791849429999999

00:24:10.587 --> 00:24:12.573 neoadjuvant was still an access section,

NOTE Confidence: 0.791849429999999

00:24:12.580 --> 00:24:14.794 but some of these trials found

NOTE Confidence: 0.791849429999999

00:24:14.794 --> 00:24:16.819 that actually are nodal PC RAR,

NOTE Confidence: 0.791849429999999

00:24:16.820 --> 00:24:17.879 pathologic complete response

NOTE Confidence: 0.791849429999999

00:24:17.879 --> 00:24:20.350 rate in the XR was quite high,

NOTE Confidence: 0.791849429999999

00:24:20.350 --> 00:24:22.468 and so we felt that maybe

NOTE Confidence: 0.791849429999999

00:24:22.468 --> 00:24:23.880 we could avoid giving.

NOTE Confidence: 0.791849429999999

00:24:23.880 --> 00:24:25.992 Avoid doing an access

NOTE Confidence: 0.791849429999999

00:24:25.992 --> 00:24:27.576 section after neoadjuvant.

NOTE Confidence: 0.791849429999999

00:24:27.580 --> 00:24:29.390 But the scary thing is,

NOTE Confidence: 0.791849429999999

00:24:29.390 --> 00:24:31.756 is maybe this would decrease our or

NOTE Confidence: 0.791849429999999

00:24:31.756 --> 00:24:33.719 increase our false negative rate,

NOTE Confidence: 0.791849429999999

00:24:33.720 --> 00:24:34.848 lower identification rate,

NOTE Confidence: 0.791849429999999

00:24:34.848 --> 00:24:36.728 or higher false negative rate

NOTE Confidence: 0.791849429999999

00:24:36.728 --> 00:24:38.972 because of the non uniform effective

NOTE Confidence: 0.791849429999999

00:24:38.972 --> 00:24:40.767 chemotherapy for well done trials

NOTE Confidence: 0.791849429999999

00:24:40.767 --> 00:24:42.527 were performed around the same

NOTE Confidence: 0.791849429999999

00:24:42.527 --> 00:24:44.207 time that demonstrated that if

NOTE Confidence: 0.791849429999999

00:24:44.207 --> 00:24:46.400 you use dual tracer that blue

NOTE Confidence: 0.791849429999999

00:24:46.400 --> 00:24:48.652 dye and radioactive isotope as I

NOTE Confidence: 0.791849429999999

00:24:48.652 --> 00:24:50.962 showed and you were moved at least

NOTE Confidence: 0.791849429999999

00:24:50.962 --> 00:24:52.490 three central lymph nodes,

NOTE Confidence: 0.791849429999999

00:24:52.490 --> 00:24:54.295 the false negative rate was

NOTE Confidence: 0.791849429999999

00:24:54.295 --> 00:24:55.739 inappropriate less than 10%.

NOTE Confidence: 0.791849429999999

00:24:55.740 --> 00:24:56.113 However,

NOTE Confidence: 0.791849429999999

00:24:56.113 --> 00:24:57.978 we do know that if.

NOTE Confidence: 0.791849429999999

00:24:57.980 --> 00:24:59.790 Any lymph nodes remain positive

NOTE Confidence: 0.791849429999999

00:24:59.790 --> 00:25:01.238 after new agent chemotherapy.

NOTE Confidence: 0.791849429999999

00:25:01.240 --> 00:25:03.406 We still go on tax dissection,

NOTE Confidence: 0.791849429999999

00:25:03.410 --> 00:25:05.783 but that is also getting looked at

NOTE Confidence: 0.791849429999999

00:25:05.783 --> 00:25:07.983 in an ongoing alliance trial where

NOTE Confidence: 0.791849429999999

00:25:07.983 --> 00:25:10.559 maybe like the Z 11 trial where

NOTE Confidence: 0.8172174

00:25:10.631 --> 00:25:13.179 we know we left some disease behind,

NOTE Confidence: 0.8172174

00:25:13.180 --> 00:25:15.964 maybe actually radiation is going to

NOTE Confidence: 0.8172174

00:25:15.964 --> 00:25:19.303 be sufficient enough and we can still

NOTE Confidence: 0.8172174

00:25:19.303 --> 00:25:21.633 leave some ancillary disease behind.

NOTE Confidence: 0.8172174

00:25:21.640 --> 00:25:23.722 We are using a lot more

NOTE Confidence: 0.8172174

00:25:23.722 --> 00:25:24.763 neoadjuvant endocrine therapy.

NOTE Confidence: 0.8172174

00:25:24.770 --> 00:25:26.540 Ferrari are positive patients, especially

NOTE Confidence: 0.8172174

00:25:26.540 --> 00:25:29.298 in the light of the RX Ponder trial.

NOTE Confidence: 0.8172174

00:25:29.300 --> 00:25:30.684 An especially during kovid,

NOTE Confidence: 0.8172174

00:25:30.684 --> 00:25:33.468 for instance, and So what is the data?

NOTE Confidence: 0.8172174

00:25:33.470 --> 00:25:35.210 What are the data with

NOTE Confidence: 0.8172174

00:25:35.210 --> 00:25:36.254 neoadjuvant androgen therapy?

NOTE Confidence: 0.8172174

00:25:36.260 --> 00:25:40.308 We know that the PCR rates are low.

NOTE Confidence: 0.8172174

00:25:40.310 --> 00:25:42.548 They it does help with breast

NOTE Confidence: 0.8172174

00:25:42.548 --> 00:25:43.294 conservation eligibility.

NOTE Confidence: 0.8172174

00:25:43.300 --> 00:25:45.550 We think for neoadjuvant enterkin therapy,

NOTE Confidence: 0.8172174

00:25:45.550 --> 00:25:48.168 they do need a lot of new

NOTE Confidence: 0.8172174

00:25:48.168 --> 00:25:49.290 management and therapy.

NOTE Confidence: 0.8172174

00:25:49.290 --> 00:25:50.766 About six months, however,

NOTE Confidence: 0.8172174

00:25:50.766 --> 00:25:54.105 we do think this was a nicely done child

NOTE Confidence: 0.8172174

00:25:54.105 --> 00:25:57.140 out of data are done at Dana Farber.

NOTE Confidence: 0.8172174

00:25:57.140 --> 00:25:59.156 We do think that in the

NOTE Confidence: 0.8172174

00:25:59.156 --> 00:26:01.250 clinically T1 or T2N0 patients,

NOTE Confidence: 0.8172174

00:26:01.250 --> 00:26:03.777 they had a low residual nodal burden

NOTE Confidence: 0.8172174

00:26:03.777 --> 00:26:05.370 after neoadjuvant endocrine therapy.

NOTE Confidence: 0.8172174

00:26:05.370 --> 00:26:10.010 So maybe we can extrapolate that and say.

NOTE Confidence: 0.8172174

00:26:10.010 --> 00:26:12.071 If they only have one or two positive lymph

NOTE Confidence: 0.8172174

00:26:12.071 --> 00:26:14.027 nodes after neoadjuvant endocrine therapy,

NOTE Confidence: 0.8172174

00:26:14.030 --> 00:26:16.095 we actually don't have to

NOTE Confidence: 0.8172174

00:26:16.095 --> 00:26:18.160 go on to access section.

NOTE Confidence: 0.8172174

00:26:18.160 --> 00:26:18.515 Alright,

NOTE Confidence: 0.8172174

00:26:18.515 --> 00:26:21.000 I brief update on stage four disease.

NOTE Confidence: 0.8172174

00:26:21.000 --> 00:26:24.195 So why do we operate on stage four disease?

NOTE Confidence: 0.8172174

00:26:24.200 --> 00:26:24.555 Oftentimes,

NOTE Confidence: 0.8172174

00:26:24.555 --> 00:26:26.330 it's pallative wound control bleeding.

NOTE Confidence: 0.8172174

00:26:26.330 --> 00:26:30.020 If there's an aquatic tumor.

NOTE Confidence: 0.8172174

00:26:30.020 --> 00:26:31.145 And oftentimes, unfortunately,

NOTE Confidence: 0.8172174

00:26:31.145 --> 00:26:33.395 our patients present with operable disease,

NOTE Confidence: 0.8172174

00:26:33.400 --> 00:26:35.280 even if their stage four,

NOTE Confidence: 0.8172174

00:26:35.280 --> 00:26:37.160 they tend to be healthy.

NOTE Confidence: 0.8172174

00:26:37.160 --> 00:26:40.024 We are finding a lot more stage four

NOTE Confidence: 0.8172174

00:26:40.024 --> 00:26:42.049 disease because of better imaging,

NOTE Confidence: 0.8172174

00:26:42.050 --> 00:26:44.306 and there's been a lot of

NOTE Confidence: 0.8172174

00:26:44.306 --> 00:26:45.434 mixed retrospective reviews.

NOTE Confidence: 0.8172174

00:26:45.440 --> 00:26:48.176 Looking at this question of whether

NOTE Confidence: 0.8172174

00:26:48.176 --> 00:26:51.069 surgery helps with stage four disease.

NOTE Confidence: 0.8172174

00:26:51.070 --> 00:26:53.170 Doctor Khan out of northwestern

NOTE Confidence: 0.8172174

00:26:53.170 --> 00:26:54.850 just essentially finished a

NOTE Confidence: 0.8172174

00:26:54.850 --> 00:26:56.360 randomized controlled trial.

NOTE Confidence: 0.8172174

00:26:56.360 --> 00:26:58.164 Looking at this various,

NOTE Confidence: 0.8172174

00:26:58.164 --> 00:27:00.419 this very question on whether

NOTE Confidence: 0.8172174

00:27:00.419 --> 00:27:02.635 surgery help stage four disease

NOTE Confidence: 0.8172174

00:27:02.635 --> 00:27:04.740 and the really final result.

NOTE Confidence: 0.8172174

00:27:04.740 --> 00:27:06.850 Final conclusion was that surgery

NOTE Confidence: 0.8172174

00:27:06.850 --> 00:27:08.960 and radiation did not extend

NOTE Confidence: 0.8172174

00:27:09.032 --> 00:27:11.756 survival in these de Novo metastatic

NOTE Confidence: 0.8172174

00:27:11.756 --> 00:27:13.118 breast cancer patients.

NOTE Confidence: 0.8172174

00:27:13.120 --> 00:27:15.436 The big question behind it is

NOTE Confidence: 0.8172174

00:27:15.436 --> 00:27:17.970 the idea of oligo metastatic.

NOTE Confidence: 0.8172174

00:27:17.970 --> 00:27:20.646 So if there's one small little

NOTE Confidence: 0.8172174

00:27:20.646 --> 00:27:21.984 lesion somewhere else.

NOTE Confidence: 0.8172174

00:27:21.990 --> 00:27:23.550 Maybe it will help because

NOTE Confidence: 0.8172174

00:27:23.550 --> 00:27:25.110 we're not the data is.

NOTE Confidence: 0.8172174

00:27:25.110 --> 00:27:27.278 This is so new that we don't have

NOTE Confidence: 0.8172174

00:27:27.278 --> 00:27:29.869 all the data in terms of all the

NOTE Confidence: 0.8172174

00:27:29.869 --> 00:27:31.660 patients involved in this study,

NOTE Confidence: 0.8172174

00:27:31.660 --> 00:27:33.490 but we still don't think that

NOTE Confidence: 0.8172174

00:27:33.490 --> 00:27:35.090 surgery is going to help.

NOTE Confidence: 0.8172174

00:27:35.090 --> 00:27:37.260 It is helping stage for de Novo

NOTE Confidence: 0.8172174

00:27:37.260 --> 00:27:39.150 patients and last but not least,

NOTE Confidence: 0.8172174

00:27:39.150 --> 00:27:41.646 so high risk lesions can be very complex,

NOTE Confidence: 0.8172174

00:27:41.650 --> 00:27:44.560 complicated, very scary for women.

NOTE Confidence: 0.8172174

00:27:44.560 --> 00:27:46.864 So based upon a lot of you know

NOTE Confidence: 0.8172174

00:27:46.864 --> 00:27:48.825 various data from across the country

NOTE Confidence: 0.8172174

00:27:48.825 --> 00:27:51.532 in terms of when we excite some of

NOTE Confidence: 0.8172174

00:27:51.532 --> 00:27:53.548 these high res high risk lesions,

NOTE Confidence: 0.8172174

00:27:53.550 --> 00:27:54.870 and when we don't,

NOTE Confidence: 0.8172174

00:27:54.870 --> 00:27:56.520 the thought is is thinking

NOTE Confidence: 0.8172174

00:27:56.520 --> 00:27:58.475 about the upgrade rate and what

NOTE Confidence: 0.8172174

00:27:58.475 --> 00:28:00.290 I mean by upgrade rate is.

NOTE Confidence: 0.8172174

00:28:00.290 --> 00:28:03.179 If you biopsy something and then take it out,

NOTE Confidence: 0.8172174

00:28:03.180 --> 00:28:05.539 what is the chance that you're going

NOTE Confidence: 0.8172174

00:28:05.539 --> 00:28:07.732 to find something more than what it

NOTE Confidence: 0.8172174

00:28:07.732 --> 00:28:09.920 was just on the core needle biopsy?

NOTE Confidence: 0.8172174

00:28:09.920 --> 00:28:11.526 And so the thought is,

NOTE Confidence: 0.8172174

00:28:11.526 --> 00:28:13.242 is Ath DCIS obviously comes

NOTE Confidence: 0.8172174

00:28:13.242 --> 00:28:15.330 out a LH and classic LCS.

NOTE Confidence: 0.8172174

00:28:15.330 --> 00:28:17.850 Stays in because the low upgrade rate,

NOTE Confidence: 0.8172174

00:28:17.850 --> 00:28:19.650 but plea Amorphic and Florida

NOTE Confidence: 0.8172174

00:28:19.650 --> 00:28:21.450 else I should come out.

NOTE Confidence: 0.7380038

00:28:21.450 --> 00:28:23.448 Also keeping in mind that all

NOTE Confidence: 0.7380038

00:28:23.448 --> 00:28:25.410 of these high risk lesions,

NOTE Confidence: 0.7380038

00:28:25.410 --> 00:28:27.797 the ADH in the LH LCS increased

NOTE Confidence: 0.7380038

00:28:27.797 --> 00:28:29.911 your risk of developing breast

NOTE Confidence: 0.7380038

00:28:29.911 --> 00:28:32.935 above breast cancer later in life.

NOTE Confidence: 0.7380038

00:28:32.940 --> 00:28:34.276 That's all I have.

NOTE Confidence: 0.7380038

00:28:34.276 --> 00:28:35.946 I think I went overtime,

NOTE Confidence: 0.7380038

00:28:35.950 --> 00:28:36.949 so I apologize.

NOTE Confidence: 0.8521019

00:28:38.460 --> 00:28:40.878 Doctor Berger that you know to

NOTE Confidence: 0.8521019

00:28:40.878 --> 00:28:43.267 cover all these advances in breast

NOTE Confidence: 0.8521019

00:28:43.267 --> 00:28:45.717 surgery over the last year or so.

NOTE Confidence: 0.8521019

00:28:45.720 --> 00:28:47.630 That's really impressive. Thank you.

NOTE Confidence: 0.8521019

00:28:47.630 --> 00:28:49.916 Next, we have doctor Melanie Lynch,

NOTE Confidence: 0.8521019

00:28:49.920 --> 00:28:52.587 an expert in Aqua plastic breast surgery,

NOTE Confidence: 0.8521019

00:28:52.590 --> 00:28:54.888 giving us some of the latest.

NOTE Confidence: 0.80811054

00:28:59.860 --> 00:29:01.240 Oh, you're you're on mute.

NOTE Confidence: 0.8389549

00:29:04.300 --> 00:29:10.830 I mute myself and share my screen. Anne.

NOTE Confidence: 0.8389549

00:29:10.830 --> 00:29:13.485 Well, that was a fellowship in half an hour.

NOTE Confidence: 0.8389549

00:29:13.490 --> 00:29:14.970 That was a wonderful talk.

NOTE Confidence: 0.8389549

00:29:14.970 --> 00:29:19.155 Thank you so much for that overview that was.

NOTE Confidence: 0.8389549

00:29:19.160 --> 00:29:20.985 Wonderful way to cover everything

NOTE Confidence: 0.8389549

00:29:20.985 --> 00:29:23.970 and I'm going to focus on one small

NOTE Confidence: 0.8389549

00:29:23.970 --> 00:29:26.160 area on Uncle plastic breast breast

NOTE Confidence: 0.8389549

00:29:26.160 --> 00:29:28.350 surgery and current advances there.

NOTE Confidence: 0.8389549

00:29:28.350 --> 00:29:30.702 And really the mandate to consider

NOTE Confidence: 0.8389549

00:29:30.702 --> 00:29:32.270 oncoplastic breast surgery is

NOTE Confidence: 0.8389549

00:29:32.335 --> 00:29:34.477 really the burden of breast cancer.

NOTE Confidence: 0.8389549

00:29:34.480 --> 00:29:36.305 Over 300,000 women are affected

NOTE Confidence: 0.8389549

00:29:36.305 --> 00:29:38.939 every year and most of these women

NOTE Confidence: 0.8389549

00:29:38.939 --> 00:29:41.165 will have a surgical procedure and

NOTE Confidence: 0.8389549

00:29:41.165 --> 00:29:43.972 so given the number of breast cancer

NOTE Confidence: 0.8389549

00:29:43.972 --> 00:29:45.962 survivors in the United States,

NOTE Confidence: 0.8389549

00:29:45.970 --> 00:29:48.532 it's incumbent upon us as breast

NOTE Confidence: 0.8389549

00:29:48.532 --> 00:29:51.269 surgeons to make sure that we are.

NOTE Confidence: 0.8389549

00:29:51.270 --> 00:29:53.664 Providing the best operations for patients

NOTE Confidence: 0.8389549

00:29:53.664 --> 00:29:56.688 not only to cure their breast cancer,

NOTE Confidence: 0.8389549

00:29:56.690 --> 00:29:59.674 but to make sure that they have the

NOTE Confidence: 0.8389549

00:29:59.674 --> 00:30:02.110 best functional and cosmetic outcomes.

NOTE Confidence: 0.8565617

00:30:04.550 --> 00:30:07.046 So when we think about breast cancer surgery,

NOTE Confidence: 0.8565617

00:30:07.050 --> 00:30:08.294 we think about mastectomies

NOTE Confidence: 0.8565617

00:30:08.294 --> 00:30:09.538 and then breast conservation,

NOTE Confidence: 0.8565617

00:30:09.540 --> 00:30:11.440 with a lumpectomy and followed

NOTE Confidence: 0.8565617

00:30:11.440 --> 00:30:12.960 by whole breast radiotherapy.

NOTE Confidence: 0.8565617

00:30:12.960 --> 00:30:15.090 But the lived consequences of

NOTE Confidence: 0.8565617

00:30:15.090 --> 00:30:17.220 these operations for our patients

NOTE Confidence: 0.8565617

00:30:17.290 --> 00:30:19.320 and for their bodies overtime,

NOTE Confidence: 0.8565617

00:30:19.320 --> 00:30:22.393 whether it's a mastectomy or whether a

NOTE Confidence: 0.8565617

00:30:22.393 --> 00:30:24.469 lumpectomy with radiation can affect

NOTE Confidence: 0.8565617

00:30:24.469 --> 00:30:26.870 their sense of self and can also

NOTE Confidence: 0.8565617

00:30:26.870 --> 00:30:29.070 affect their functional outcomes.

NOTE Confidence: 0.8565617

00:30:29.070 --> 00:30:31.614 So as we think about Uncle

NOTE Confidence: 0.8565617

00:30:31.614 --> 00:30:32.886 plastic breast surgery,

NOTE Confidence: 0.8565617

00:30:32.890 --> 00:30:35.428 there's a lot of different definitions,

NOTE Confidence: 0.8565617

00:30:35.430 --> 00:30:36.699 consensus statements about

NOTE Confidence: 0.8565617

00:30:36.699 --> 00:30:38.814 what Uncle plastic surgery is.

NOTE Confidence: 0.8565617

00:30:38.820 --> 00:30:42.627 But I I really like this description of Uncle

NOTE Confidence: 0.8565617

00:30:42.627 --> 00:30:45.609 plastic breast surgery as a philosophy.

NOTE Confidence: 0.8565617

00:30:45.610 --> 00:30:47.806 That we should be treating breast

NOTE Confidence: 0.8565617

00:30:47.806 --> 00:30:50.027 cancer surgically to cure the cancer

NOTE Confidence: 0.8565617

00:30:50.027 --> 00:30:52.456 and then to maintain and improve the

NOTE Confidence: 0.8565617

00:30:52.456 --> 00:30:54.417 cosmetic appearance of the breast.

NOTE Confidence: 0.8565617

00:30:54.420 --> 00:30:56.664 And that this requires a comprehensive

NOTE Confidence: 0.8565617

00:30:56.664 --> 00:30:58.929 consideration not only of the patient's

NOTE Confidence: 0.8565617

00:30:58.929 --> 00:31:01.386 anatomy and the anatomy of their cancer,

NOTE Confidence: 0.8565617

00:31:01.390 --> 00:31:03.220 but with the patient's own

NOTE Confidence: 0.8565617

00:31:03.220 --> 00:31:04.684 satisfaction with their breasts.

NOTE Confidence: 0.8565617

00:31:04.690 --> 00:31:07.469 The size and shape of their breast

NOTE Confidence: 0.8565617

00:31:07.469 --> 00:31:09.774 manage in their overall lifetime

NOTE Confidence: 0.8565617

00:31:09.774 --> 00:31:11.838 risk of breast cancer.

NOTE Confidence: 0.8565617

00:31:11.840 --> 00:31:13.856 And what the patient's goals are,

NOTE Confidence: 0.8565617

00:31:13.860 --> 00:31:16.290 and so it's a more comprehensive

NOTE Confidence: 0.8565617

00:31:16.290 --> 00:31:18.775 and complex consideration as we plan

NOTE Confidence: 0.8565617

00:31:18.775 --> 00:31:20.765 these operations for our patients.

NOTE Confidence: 0.8565617

00:31:20.770 --> 00:31:23.466 And so we can talk about all sorts

NOTE Confidence: 0.8565617

00:31:23.466 --> 00:31:25.479 of incisions and approaches to

NOTE Confidence: 0.8565617

00:31:25.479 --> 00:31:27.584 every quadrant of the breast.

NOTE Confidence: 0.8565617

00:31:27.590 --> 00:31:30.286 And this is a summary from the Krishna

NOTE Confidence: 0.8565617

00:31:30.286 --> 00:31:32.330 Cloth paper that has really become

NOTE Confidence: 0.8565617

00:31:32.330 --> 00:31:34.860 kind of the Bible for our consideration

NOTE Confidence: 0.8565617

00:31:34.860 --> 00:31:37.445 of Uncle plastic breast surgery.

NOTE Confidence: 0.8565617

00:31:37.450 --> 00:31:40.474 But I'm just going to focus on a

NOTE Confidence: 0.8565617

00:31:40.474 --> 00:31:44.020 couple of key areas and an techniques

NOTE Confidence: 0.8565617

00:31:44.020 --> 00:31:47.170 and uncle plastic breath surgery too.

NOTE Confidence: 0.8565617

00:31:47.170 --> 00:31:49.440 Created an opportunity for conversation

NOTE Confidence: 0.8565617

00:31:49.440 --> 00:31:51.256 so within breast conservation,

NOTE Confidence: 0.8565617

00:31:51.260 --> 00:31:54.170 starting with the most basic operation

NOTE Confidence: 0.8565617

00:31:54.170 --> 00:31:57.607 that we do every day of the week.

NOTE Confidence: 0.8565617

00:31:57.610 --> 00:32:00.660 Asimple partial mastectomy are scar

NOTE Confidence: 0.8565617

00:32:00.660 --> 00:32:03.100 placement should be considered.

NOTE Confidence: 0.8565617

00:32:03.100 --> 00:32:05.053 Fundamental in this and we can place

NOTE Confidence: 0.8565617

00:32:05.053 --> 00:32:07.297 our scars in places where the patients

NOTE Confidence: 0.8565617

00:32:07.297 --> 00:32:09.313 don't have to see them regularly.

NOTE Confidence: 0.8565617

00:32:09.320 --> 00:32:12.047 It can either be at the edge of the

NOTE Confidence: 0.8565617

00:32:12.047 --> 00:32:14.295 areola or the edge of the breast,

NOTE Confidence: 0.8565617

00:32:14.300 --> 00:32:16.477 and when we start to think of

NOTE Confidence: 0.8565617

00:32:16.477 --> 00:32:17.410 separating the substance,

NOTE Confidence: 0.8565617

00:32:17.410 --> 00:32:19.181 the parenchyma of the breast from the

NOTE Confidence: 0.8565617

00:32:19.181 --> 00:32:21.123 skin of the breast and organizing

NOTE Confidence: 0.8565617

00:32:21.123 --> 00:32:22.998 our operation around that principle,

NOTE Confidence: 0.8565617

00:32:23.000 --> 00:32:25.192 we find we have lots of ways we

NOTE Confidence: 0.8565617

00:32:25.192 --> 00:32:26.739 can approach this operation.

NOTE Confidence: 0.8565617

00:32:26.740 --> 00:32:29.412 To put our scar in a cosmetic location

NOTE Confidence: 0.8565617

00:32:29.412 --> 00:32:32.236 and still have a good oncologic outcome.

NOTE Confidence: 0.8565617

00:32:32.240 --> 00:32:33.890 For the simple partial mastectomy,

NOTE Confidence: 0.8565617

00:32:33.890 --> 00:32:35.870 the critical thing is to maintain

NOTE Confidence: 0.8565617

00:32:35.870 --> 00:32:37.829 the central location of the ******

NOTE Confidence: 0.8565617

00:32:37.830 --> 00:32:38.374 areolar complex,

NOTE Confidence: 0.8565617

00:32:38.374 --> 00:32:40.550 and in order to do that when we

NOTE Confidence: 0.8565617

00:32:40.609 --> 00:32:42.509 close the breast parenchyma after

NOTE Confidence: 0.8565617

00:32:42.509 --> 00:32:44.409 we have completed our lumpectomy,

NOTE Confidence: 0.8565617

00:32:44.410 --> 00:32:46.378 that needs to be oriented in

NOTE Confidence: 0.8565617

00:32:46.378 --> 00:32:47.362 a radial direction.

NOTE Confidence: 0.8565617

00:32:47.370 --> 00:32:49.757 So we're always going to close up

NOTE Confidence: 0.8565617

00:32:49.757 --> 00:32:52.532 and down on the sides of the breast

NOTE Confidence: 0.8565617

00:32:52.532 --> 00:32:55.463 or from side to side or the top on

NOTE Confidence: 0.8565617

00:32:55.463 --> 00:32:57.900 the top and bottom of the breast in

NOTE Confidence: 0.8565617

00:32:57.900 --> 00:32:59.878 order to maintain the ****** areolar

NOTE Confidence: 0.8565617

00:32:59.878 --> 00:33:02.174 complex in the middle of the breast.

NOTE Confidence: 0.83024573

00:33:04.430 --> 00:33:06.932 If we find we can't get to the tumor

NOTE Confidence: 0.83024573

00:33:06.932 --> 00:33:09.317 from one of those simple incisions,

NOTE Confidence: 0.83024573

00:33:09.320 --> 00:33:11.072 we can start to use other

NOTE Confidence: 0.83024573

00:33:11.072 --> 00:33:12.675 techniques that have been developed

NOTE Confidence: 0.83024573

00:33:12.675 --> 00:33:14.535 and used by plastic surgeons,

NOTE Confidence: 0.83024573

00:33:14.540 --> 00:33:16.570 but allow us to have more access

NOTE Confidence: 0.83024573

00:33:16.570 --> 00:33:18.450 to the breast parenchyma way.

NOTE Confidence: 0.83024573

00:33:18.450 --> 00:33:20.514 Still having a good cosmetic incision

NOTE Confidence: 0.83024573

00:33:20.514 --> 00:33:23.378 and a good choice here is always a

NOTE Confidence: 0.83024573

00:33:23.378 --> 00:33:25.514 Crescent or around block McMaster Pixie.

NOTE Confidence: 0.83024573

00:33:25.520 --> 00:33:27.275 Because by creating that larger

NOTE Confidence: 0.83024573

00:33:27.275 --> 00:33:29.791 incision at the center of the breast

NOTE Confidence: 0.83024573

00:33:29.791 --> 00:33:31.546 around the ****** areolar complex,

NOTE Confidence: 0.83024573

00:33:31.546 --> 00:33:33.694 and then again thinking about the

NOTE Confidence: 0.83024573

00:33:33.694 --> 00:33:35.757 skin of the breast separate and

NOTE Confidence: 0.83024573

00:33:35.757 --> 00:33:38.115 apart from the parent of the breast

NOTE Confidence: 0.83024573

00:33:38.115 --> 00:33:40.335 that allows us to create broader

NOTE Confidence: 0.83024573

00:33:40.335 --> 00:33:42.158 planes of dissection and access

NOTE Confidence: 0.83024573

00:33:42.158 --> 00:33:43.928 tumors in more distal locations

NOTE Confidence: 0.83024573

00:33:43.928 --> 00:33:45.700 from the ****** areolar complex.

NOTE Confidence: 0.85058796

00:33:49.190 --> 00:33:51.054 Another another consideration is

NOTE Confidence: 0.85058796

00:33:51.054 --> 00:33:53.850 avoiding some of the common deformities

NOTE Confidence: 0.85058796

00:33:53.917 --> 00:33:56.089 that can come after we've respected

NOTE Confidence: 0.85058796

00:33:56.089 --> 00:33:58.450 volume in the breast or radiation.

NOTE Confidence: 0.85058796

00:33:58.450 --> 00:34:00.892 This picture here from the original

NOTE Confidence: 0.85058796

00:34:00.892 --> 00:34:03.458 Cluff paper shows that kind of

NOTE Confidence: 0.85058796

00:34:03.458 --> 00:34:05.190 classic birds beak deformity.

NOTE Confidence: 0.85058796

00:34:05.190 --> 00:34:08.442 When we remove tissue from the 6:00

NOTE Confidence: 0.85058796

00:34:08.442 --> 00:34:10.932 o'clock position of the breast.

NOTE Confidence: 0.85058796

00:34:10.940 --> 00:34:13.238 It creates scar radiation contracts the

NOTE Confidence: 0.85058796

00:34:13.238 --> 00:34:15.840 breast further and it pulls the ******

NOTE Confidence: 0.85058796

00:34:15.840 --> 00:34:18.856 down and creates that kind of a deformity.

NOTE Confidence: 0.85058796

00:34:18.860 --> 00:34:21.588 We have multiple ways we can approach those

NOTE Confidence: 0.85058796

00:34:21.588 --> 00:34:24.139 tumors that would prevent that deformity,

NOTE Confidence: 0.85058796

00:34:24.140 --> 00:34:28.058 particularly by using a mastopexy approach.

NOTE Confidence: 0.85058796

00:34:28.060 --> 00:34:30.684 To allow us to excise skin over tumor

NOTE Confidence: 0.85058796

00:34:30.684 --> 00:34:33.152 to reshape the breast to refill the

NOTE Confidence: 0.85058796

00:34:33.152 --> 00:34:36.232 volume at the 6:00 o'clock pole and then

NOTE Confidence: 0.85058796

00:34:36.232 --> 00:34:38.220 recentralise the ****** areolar complex.

NOTE Confidence: 0.901231169999999

00:34:42.310 --> 00:34:44.277 And then we can also work in

NOTE Confidence: 0.901231169999999

00:34:44.277 --> 00:34:45.950 partnership with our plastic surgery

NOTE Confidence: 0.901231169999999

00:34:45.950 --> 00:34:47.870 colleagues on several level 2

NOTE Confidence: 0.901231169999999

00:34:47.870 --> 00:34:49.950 techniques for breast reconstruction.

NOTE Confidence: 0.901231169999999

00:34:49.950 --> 00:34:53.826 And this is a recent case.

NOTE Confidence: 0.901231169999999

00:34:53.830 --> 00:34:56.469 That I did with my plastic surgery

NOTE Confidence: 0.901231169999999

00:34:56.469 --> 00:34:59.384 colleague here of a patient who had a

NOTE Confidence: 0.901231169999999

00:34:59.384 --> 00:35:01.536 2 centimeter tumor that was involving

NOTE Confidence: 0.901231169999999

00:35:01.536 --> 00:35:04.496 the muscle of the chest wall in the

NOTE Confidence: 0.901231169999999

00:35:04.496 --> 00:35:07.078 upper inner quadrant of her left breast.

NOTE Confidence: 0.901231169999999

00:35:07.080 --> 00:35:10.072 We chose to do a wise pattern mastopexy

NOTE Confidence: 0.901231169999999

00:35:10.072 --> 00:35:12.694 approach which gave us wide exposure of

NOTE Confidence: 0.901231169999999

00:35:12.694 --> 00:35:15.538 that area to allow excision of that tumor,

NOTE Confidence: 0.901231169999999

00:35:15.540 --> 00:35:16.638 including underlying muscle,

NOTE Confidence: 0.901231169999999

00:35:16.638 --> 00:35:19.200 and then to reshape the breast using

NOTE Confidence: 0.901231169999999

00:35:19.258 --> 00:35:21.058 a classic wise pattern approach.

NOTE Confidence: 0.901231169999999

00:35:21.060 --> 00:35:24.660 We were also able to do our axillary lymph.

NOTE Confidence: 0.901231169999999

00:35:24.660 --> 00:35:25.992 Axillary lymph node sampling.

NOTE Confidence: 0.901231169999999

00:35:25.992 --> 00:35:27.657 Through this same incision again

NOTE Confidence: 0.901231169999999

00:35:27.657 --> 00:35:29.422 through this principle that the breast

NOTE Confidence: 0.901231169999999

00:35:29.422 --> 00:35:31.534 parenchyma and the skin can be treated

NOTE Confidence: 0.901231169999999

00:35:31.534 --> 00:35:32.898 differently in these operations,

NOTE Confidence: 0.901231169999999

00:35:32.900 --> 00:35:35.220 we had wide enough exposure to the axle

NOTE Confidence: 0.901231169999999

00:35:35.220 --> 00:35:37.049 through this wise pattern incision that

NOTE Confidence: 0.901231169999999

00:35:37.049 --> 00:35:39.620 we were able to remove our lymph node

NOTE Confidence: 0.901231169999999

00:35:39.620 --> 00:35:41.455 without making a separate incision.

NOTE Confidence: 0.901231169999999

00:35:41.460 --> 00:35:44.950 And this is a patient at at one week post up.

NOTE Confidence: 0.8913484

00:35:48.540 --> 00:35:50.580 Another approach for consideration is

NOTE Confidence: 0.8913484

00:35:50.580 --> 00:35:52.620 volume replacement for patients whose

NOTE Confidence: 0.8913484

00:35:52.678 --> 00:35:55.016 partial mastectomy volume is more than 20%,

NOTE Confidence: 0.8913484

00:35:55.020 --> 00:35:57.687 and sometimes it can be up to

NOTE Confidence: 0.8913484

00:35:57.687 --> 00:36:00.120 30% of their breast when they

NOTE Confidence: 0.8913484

00:36:00.120 --> 00:36:02.820 don't have a large breast volume.

NOTE Confidence: 0.8913484

00:36:02.820 --> 00:36:05.130 This is a patient who had a

NOTE Confidence: 0.8913484

00:36:05.130 --> 00:36:06.527 invasive lobular cancer that

NOTE Confidence: 0.8913484

00:36:06.527 --> 00:36:08.579 was rather extensive on the MRI.

NOTE Confidence: 0.8913484

00:36:08.580 --> 00:36:11.577 You can see that the cancer in the left

NOTE Confidence: 0.8913484

00:36:11.577 --> 00:36:14.005 breast you can see the biopsy clip.

NOTE Confidence: 0.8913484

00:36:14.010 --> 00:36:16.038 You can also see the cancer

NOTE Confidence: 0.8913484

00:36:16.038 --> 00:36:17.052 involving Cooper's ligaments.

NOTE Confidence: 0.8913484

00:36:17.060 --> 00:36:19.356 So even though she had a significant

NOTE Confidence: 0.8913484

00:36:19.356 --> 00:36:20.790 amount of subcutaneous tissue,

NOTE Confidence: 0.8913484

00:36:20.790 --> 00:36:23.094 the skin overlying skin was tethered

NOTE Confidence: 0.8913484

00:36:23.094 --> 00:36:25.922 to the tumor and that skin had to

NOTE Confidence: 0.8913484

00:36:25.922 --> 00:36:28.550 be removed as part of her reception.

NOTE Confidence: 0.8913484

00:36:28.550 --> 00:36:30.917 And we knew we were going to have to

NOTE Confidence: 0.8913484

00:36:30.917 --> 00:36:33.448 remove about 25% of her breast volume

NOTE Confidence: 0.8913484

00:36:33.448 --> 00:36:35.920 in order to fully encompass this.

NOTE Confidence: 0.8913484

00:36:35.920 --> 00:36:38.454 And this also kind of attest to

NOTE Confidence: 0.8913484

00:36:38.454 --> 00:36:40.822 the importance of MRI in some

NOTE Confidence: 0.8913484

00:36:40.822 --> 00:36:42.426 of this surgical planning,

NOTE Confidence: 0.8913484

00:36:42.430 --> 00:36:45.104 which I know is area of controversy.

NOTE Confidence: 0.8913484

00:36:45.110 --> 00:36:48.557 So for this patient we used AT DAP flap,

NOTE Confidence: 0.8913484

00:36:48.560 --> 00:36:51.248 which was a rotational flap from the

NOTE Confidence: 0.8913484

00:36:51.248 --> 00:36:53.815 lateral chest wall to fill that volume

NOTE Confidence: 0.8913484

00:36:53.815 --> 00:36:56.600 to allow for a complete wide resection,

NOTE Confidence: 0.8913484

00:36:56.600 --> 00:36:58.535 including overlying skin with an

NOTE Confidence: 0.8913484

00:36:58.535 --> 00:37:00.470 acceptable cosmetic result to allow

NOTE Confidence: 0.8913484

00:37:00.528 --> 00:37:02.348 her to have breast conservation.

NOTE Confidence: 0.8435561

00:37:05.400 --> 00:37:08.202 And so the outcomes of oncoplastic

NOTE Confidence: 0.8435561

00:37:08.202 --> 00:37:10.070 partial mastectomy are mostly

NOTE Confidence: 0.8435561

00:37:10.147 --> 00:37:11.899 reported in case series.

NOTE Confidence: 0.8435561

00:37:11.900 --> 00:37:14.618 There have been two large meta

NOTE Confidence: 0.8435561

00:37:14.618 --> 00:37:17.000 analysis looking at Uncle Logic,

NOTE Confidence: 0.8435561

00:37:17.000 --> 00:37:19.778 safety and outcomes in these cases,

NOTE Confidence: 0.8435561

00:37:19.780 --> 00:37:22.100 including the rates of positive

NOTE Confidence: 0.8435561

00:37:22.100 --> 00:37:24.420 margins or rates of reexcision,

NOTE Confidence: 0.8435561

00:37:24.420 --> 00:37:26.280 the conversion to mastectomy,

NOTE Confidence: 0.8435561

00:37:26.280 --> 00:37:27.210 overall survival,

NOTE Confidence: 0.8435561

00:37:27.210 --> 00:37:28.641 disease, free survival,

NOTE Confidence: 0.8435561

00:37:28.641 --> 00:37:31.026 and all of the expected

NOTE Confidence: 0.8435561

00:37:31.026 --> 00:37:32.507 surgical complications and

NOTE Confidence: 0.8435561

00:37:32.507 --> 00:37:34.307 our uncle plastic techniques.

NOTE Confidence: 0.8435561

00:37:34.310 --> 00:37:38.158 Are comparable to standard.

NOTE Confidence: 0.8435561

00:37:38.160 --> 00:37:38.982 Lumpectomy techniques,

NOTE Confidence: 0.8435561

00:37:38.982 --> 00:37:43.070 so we know that we know that these are Uncle,

NOTE Confidence: 0.8435561

00:37:43.070 --> 00:37:43.478 logically,

NOTE Confidence: 0.8435561

00:37:43.478 --> 00:37:45.110 in surgically safe operations.

NOTE Confidence: 0.83196354

00:37:47.850 --> 00:37:51.458 All this is a series from MD Anderson

NOTE Confidence: 0.83196354

00:37:51.458 --> 00:37:54.430 looking at Uncle Logic outcomes,

NOTE Confidence: 0.83196354

00:37:54.430 --> 00:37:57.460 including survival and disease free survival,

NOTE Confidence: 0.83196354

00:37:57.460 --> 00:38:00.496 and it's always important to consider

NOTE Confidence: 0.83196354

00:38:00.496 --> 00:38:02.520 breast conservation versus mastectomy,

NOTE Confidence: 0.83196354

00:38:02.520 --> 00:38:05.446 but this trial again proves the point

NOTE Confidence: 0.83196354

00:38:05.446 --> 00:38:07.694 that surgeons know their patients

NOTE Confidence: 0.83196354

00:38:07.694 --> 00:38:10.430 very well because our patients who

NOTE Confidence: 0.83196354

00:38:10.430 --> 00:38:12.675 have simple mastectomy without

NOTE Confidence: 0.83196354

00:38:12.675 --> 00:38:15.815 reconstruction are usually patients who

NOTE Confidence: 0.83196354

00:38:15.815 --> 00:38:18.482 either have comorbidities or disease.

NOTE Confidence: 0.83196354

00:38:18.482 --> 00:38:21.219 Well, we know that these techniques are

NOTE Confidence: 0.83196354

00:38:21.219 --> 00:38:23.754 probably not going to be helpful to them.

NOTE Confidence: 0.83196354

00:38:23.760 --> 00:38:25.740 You can see in the red and the blue

NOTE Confidence: 0.83196354

00:38:25.740 --> 00:38:27.839 lines in these graphs that breast

NOTE Confidence: 0.83196354

00:38:27.839 --> 00:38:29.664 conserving surgery and breast conserving

NOTE Confidence: 0.83196354

00:38:29.718 --> 00:38:31.703 surgery with reconstruction have similar

NOTE Confidence: 0.83196354

00:38:31.703 --> 00:38:34.020 disease free and overall survival rates.

NOTE Confidence: 0.8404576

00:38:37.010 --> 00:38:38.490 So what about patient reported

NOTE Confidence: 0.8404576

00:38:38.490 --> 00:38:39.674 outcomes in these operations?

NOTE Confidence: 0.8404576

00:38:39.680 --> 00:38:41.396 There are. This state is hard

NOTE Confidence: 0.8404576

00:38:41.396 --> 00:38:43.250 to collect and hard to analyze,

NOTE Confidence: 0.8404576

00:38:43.250 --> 00:38:44.735 and there are several trials

NOTE Confidence: 0.8404576

00:38:44.735 --> 00:38:46.220 that have looked at different.

NOTE Confidence: 0.85889584

00:38:49.060 --> 00:38:51.240 Types of uncle plastic procedures.

NOTE Confidence: 0.85889584

00:38:51.240 --> 00:38:54.256 This was a larger study that looked at

NOTE Confidence: 0.85889584

00:38:54.256 --> 00:38:56.581 multiple types of oncoplastic procedures

NOTE Confidence: 0.85889584

00:38:56.581 --> 00:38:59.071 with regards to patient reported

NOTE Confidence: 0.85889584

00:38:59.071 --> 00:39:02.140 outcomes as reported using the breast Q,

NOTE Confidence: 0.85889584

00:39:02.140 --> 00:39:04.372 which is one of the most

NOTE Confidence: 0.85889584

00:39:04.372 --> 00:39:05.860 comprehensive and best studied

NOTE Confidence: 0.85889584

00:39:05.936 --> 00:39:08.240 patient reported outcome measures.

NOTE Confidence: 0.85889584

00:39:08.240 --> 00:39:10.380 There are multiple components to

NOTE Confidence: 0.85889584

00:39:10.380 --> 00:39:13.040 the breast Q that include ******

NOTE Confidence: 0.85889584

00:39:13.040 --> 00:39:14.780 well being breast appearance,

NOTE Confidence: 0.85889584

00:39:14.780 --> 00:39:16.085 emotional well being,

NOTE Confidence: 0.85889584

00:39:16.090 --> 00:39:17.562 and physical well being.

NOTE Confidence: 0.85889584

00:39:17.562 --> 00:39:20.320 This is kind of a busy slide,

NOTE Confidence: 0.85889584

00:39:20.320 --> 00:39:23.120 but it looks at the comparison of simple

NOTE Confidence: 0.85889584

00:39:23.120 --> 00:39:24.780 mastectomy without reconstruction.

NOTE Confidence: 0.85889584

00:39:24.780 --> 00:39:26.752 To implant based reconstruction

NOTE Confidence: 0.85889584

00:39:26.752 --> 00:39:28.724 to rotational flap reconstruction

NOTE Confidence: 0.85889584

00:39:28.724 --> 00:39:31.166 with an implant with and without

NOTE Confidence: 0.85889584

00:39:31.166 --> 00:39:33.899 an implant as well as free flap

NOTE Confidence: 0.85889584

00:39:33.899 --> 00:39:36.279 reconstruction and breast conservation.

NOTE Confidence: 0.85889584

00:39:36.280 --> 00:39:38.644 So as you move across the

NOTE Confidence: 0.85889584

00:39:38.644 --> 00:39:40.850 chart from left to right,

NOTE Confidence: 0.85889584

00:39:40.850 --> 00:39:42.935 the uncle plastic breast conservation

NOTE Confidence: 0.85889584

00:39:42.935 --> 00:39:45.410 procedures are at the right side.

NOTE Confidence: 0.85889584

00:39:45.410 --> 00:39:48.049 We know women have higher overall patient

NOTE Confidence: 0.85889584

00:39:48.049 --> 00:39:49.980 satisfaction with breast conservation,

NOTE Confidence: 0.85889584

00:39:49.980 --> 00:39:52.055 and if that breast conservation

NOTE Confidence: 0.85889584

00:39:52.055 --> 00:39:54.130 includes an uncle plastic approach,

NOTE Confidence: 0.85889584

00:39:54.130 --> 00:39:56.200 a mammaplasty approach or even

NOTE Confidence: 0.85889584

00:39:56.200 --> 00:39:57.856 a volume replacement approach,

NOTE Confidence: 0.85889584

00:39:57.860 --> 00:40:01.168 we know that there.

NOTE Confidence: 0.85889584

00:40:01.170 --> 00:40:04.020 Overall patient reported outcomes to improve.

NOTE Confidence: 0.832663

00:40:07.310 --> 00:40:09.280 So just briefly about Uncle

NOTE Confidence: 0.832663

00:40:09.280 --> 00:40:10.856 Plastic approaches to mastectomy.

NOTE Confidence: 0.832663

00:40:10.860 --> 00:40:13.302 Now that we've moved towards immediate

NOTE Confidence: 0.832663

00:40:13.302 --> 00:40:15.285 reconstruction using both skin and

NOTE Confidence: 0.832663

00:40:15.285 --> 00:40:16.771 ****** sparing mastectomy techniques,

NOTE Confidence: 0.832663

00:40:16.771 --> 00:40:19.920 this is allowed us to preserve the skin.

NOTE Confidence: 0.832663

00:40:19.920 --> 00:40:24.105 The skin pocket which may have some

NOTE Confidence: 0.832663

00:40:24.105 --> 00:40:26.730 concerns with regards to Uncle logic safety.

NOTE Confidence: 0.832663

00:40:26.730 --> 00:40:29.355 Doctor Berger, did present some data there.

NOTE Confidence: 0.832663

00:40:29.360 --> 00:40:31.747 I'm going to just repeat briefly a

NOTE Confidence: 0.832663

00:40:31.747 --> 00:40:34.461 little bit of the data about Uncle

NOTE Confidence: 0.832663

00:40:34.461 --> 00:40:36.476 Plastic or Uncle logic safety,

NOTE Confidence: 0.832663

00:40:36.480 --> 00:40:38.730 but we now have newer techniques

NOTE Confidence: 0.832663

00:40:38.730 --> 00:40:40.593 in ****** sparing mastectomy that

NOTE Confidence: 0.832663

00:40:40.593 --> 00:40:43.190 allow us to change the size and

NOTE Confidence: 0.832663

00:40:43.267 --> 00:40:45.675 shape of the skin pocket to allow

NOTE Confidence: 0.832663

00:40:45.675 --> 00:40:47.729 for other options in mastectomy.

NOTE Confidence: 0.8164319

00:40:49.840 --> 00:40:53.290 So with regards to ****** sparing mastectomy,

NOTE Confidence: 0.8164319

00:40:53.290 --> 00:40:56.115 I really appreciate this picture

NOTE Confidence: 0.8164319

00:40:56.115 --> 00:40:59.840 because it really shows both the value

NOTE Confidence: 0.8164319

00:40:59.840 --> 00:41:02.265 of our inframammary incision which

NOTE Confidence: 0.8164319

00:41:02.265 --> 00:41:05.496 most surgeons have adopted now as the.

NOTE Confidence: 0.8164319

00:41:05.500 --> 00:41:08.630 Safest incision with the best

NOTE Confidence: 0.8164319

00:41:08.630 --> 00:41:12.709 outcomes as well as the use of.

NOTE Confidence: 0.8164319

00:41:12.710 --> 00:41:16.148 ATM's and other matrices to help

NOTE Confidence: 0.8164319

00:41:16.148 --> 00:41:18.440 us do prepectoral reconstruction,

NOTE Confidence: 0.8164319

00:41:18.440 --> 00:41:21.872 which also has improved outcomes for

NOTE Confidence: 0.8164319

00:41:21.872 --> 00:41:24.738 patients, both functional and cosmetic.

NOTE Confidence: 0.83157367

00:41:26.770 --> 00:41:28.665 Anne, as Doctor Berger described

NOTE Confidence: 0.83157367

00:41:28.665 --> 00:41:30.560 our patient selection for this

NOTE Confidence: 0.83157367

00:41:30.624 --> 00:41:32.308 operation is very important.

NOTE Confidence: 0.83157367

00:41:32.310 --> 00:41:36.496 The size and shape of the breast.

NOTE Confidence: 0.83157367

00:41:36.500 --> 00:41:39.230 As well as patient risk factors,

NOTE Confidence: 0.83157367

00:41:39.230 --> 00:41:40.974 including diabetes and smoking,

NOTE Confidence: 0.83157367

00:41:40.974 --> 00:41:43.590 are important to make sure we've

NOTE Confidence: 0.83157367

00:41:43.666 --> 00:41:46.510 assessed those, so we have optimal

NOTE Confidence: 0.83157367

00:41:46.510 --> 00:41:48.330 outcomes using this incision.

NOTE Confidence: 0.8144027

00:41:50.770 --> 00:41:53.372 So the outcomes of ****** sparing

NOTE Confidence: 0.8144027

00:41:53.372 --> 00:41:55.964 mastectomy have shown that it's both

NOTE Confidence: 0.8144027

00:41:55.964 --> 00:41:58.672 Uncle logically safe and that our

NOTE Confidence: 0.8144027

00:41:58.672 --> 00:42:00.456 patient satisfaction and overall

NOTE Confidence: 0.8144027

00:42:00.456 --> 00:42:02.459 cosmetic outcomes are are good.

NOTE Confidence: 0.8144027

00:42:02.460 --> 00:42:05.058 The American Society of Breast Surgeons,

NOTE Confidence: 0.8144027

00:42:05.060 --> 00:42:06.832 ****** sparing mastectomy rest

NOTE Confidence: 0.8144027

00:42:06.832 --> 00:42:09.047 Registry reported a recurrence rate

NOTE Confidence: 0.8144027

00:42:09.047 --> 00:42:11.985 of 1.4% with none of the recurrences

NOTE Confidence: 0.8144027

00:42:11.985 --> 00:42:14.214 at the ****** areolar complex.

NOTE Confidence: 0.8144027

00:42:14.214 --> 00:42:16.524 A Cochrane review that included

NOTE Confidence: 0.8144027

00:42:16.524 --> 00:42:19.391 over 11 studies with over 6000

NOTE Confidence: 0.8144027

00:42:19.391 --> 00:42:20.798 participants found very.

NOTE Confidence: 0.8144027

00:42:20.800 --> 00:42:22.690 Compareable outcomes for ****** sparing.

NOTE Confidence: 0.8144027

00:42:22.690 --> 00:42:24.600 Skin sparing an complete mastectomy

NOTE Confidence: 0.8144027

00:42:24.600 --> 00:42:26.943 with a trend towards improved aesthetic

NOTE Confidence: 0.8144027

00:42:26.943 --> 00:42:29.498 outcomes and quality of life for women

NOTE Confidence: 0.8144027

00:42:29.498 --> 00:42:30.980 having ****** sparing mastectomy.

NOTE Confidence: 0.81972986

00:42:35.960 --> 00:42:38.802 And this is a study from Sloan

NOTE Confidence: 0.81972986

00:42:38.802 --> 00:42:41.859 Kettering using the breast Q an looking

NOTE Confidence: 0.81972986

00:42:41.859 --> 00:42:44.036 at outcomes with ****** sparing

NOTE Confidence: 0.81972986

00:42:44.036 --> 00:42:45.740 mastectomy versus total mastectomy.

NOTE Confidence: 0.81972986

00:42:45.740 --> 00:42:48.218 And there was a trend towards

NOTE Confidence: 0.81972986

00:42:48.218 --> 00:42:49.457 significance for psychosocial

NOTE Confidence: 0.81972986

00:42:49.457 --> 00:42:51.688 well being among those patients.

NOTE Confidence: 0.7949045

00:42:54.180 --> 00:42:55.419 So newer mastectomy,

NOTE Confidence: 0.7949045

00:42:55.419 --> 00:42:57.484 newer mastectomy techniques that can

NOTE Confidence: 0.7949045

00:42:57.484 --> 00:43:00.775 be used for women who are not optimal

NOTE Confidence: 0.7949045

00:43:00.775 --> 00:43:02.892 candidates for traditional ****** sparing,

NOTE Confidence: 0.7949045

00:43:02.892 --> 00:43:04.940 mastectomy with the inframammary

NOTE Confidence: 0.7949045

00:43:04.940 --> 00:43:06.988 incision include techniques that

NOTE Confidence: 0.7949045

00:43:06.988 --> 00:43:09.411 allow us to reshape and resize the

NOTE Confidence: 0.7949045

00:43:09.411 --> 00:43:11.476 skin pocket using a wise pattern

NOTE Confidence: 0.7949045

00:43:11.476 --> 00:43:14.058 using free ****** grafts to make a

NOTE Confidence: 0.7949045

00:43:14.058 --> 00:43:16.200 better size pocket for either implant

NOTE Confidence: 0.7949045

00:43:16.273 --> 00:43:18.613 based reconstruction or to use the

NOTE Confidence: 0.7949045

00:43:18.613 --> 00:43:21.240 patient's own tissue for reconstruction.

NOTE Confidence: 0.7949045

00:43:21.240 --> 00:43:23.748 Whether that's using a skin pedicle.

NOTE Confidence: 0.7949045

00:43:23.750 --> 00:43:27.120 Or using a rotational flap.

NOTE Confidence: 0.7949045

00:43:27.120 --> 00:43:29.688 And this includes the Goldilocks operation,

NOTE Confidence: 0.7949045

00:43:29.690 --> 00:43:32.270 which uses a local skin flap

NOTE Confidence: 0.7949045

00:43:32.270 --> 00:43:33.560 for that reconstruction.

NOTE Confidence: 0.880195

00:43:36.950 --> 00:43:39.174 So it's up to us to always consider

NOTE Confidence: 0.880195

00:43:39.174 --> 00:43:41.358 what the best functional and cosmetic

NOTE Confidence: 0.880195

00:43:41.358 --> 00:43:44.127 outcomes of our operations can be as

NOTE Confidence: 0.880195

00:43:44.127 --> 00:43:46.239 we treat patients for breast cancer.

NOTE Confidence: 0.880195

00:43:46.240 --> 00:43:48.776 Again, the priority always needs to be to

NOTE Confidence: 0.880195

00:43:48.776 --> 00:43:51.398 make sure that we're doing the operation.

NOTE Confidence: 0.880195

00:43:51.400 --> 00:43:53.362 That's going to help achieve a

NOTE Confidence: 0.880195

00:43:53.362 --> 00:43:55.180 cure for our patients cancer,

NOTE Confidence: 0.880195

00:43:55.180 --> 00:43:57.322 but then to consider how how we

NOTE Confidence: 0.880195

00:43:57.322 --> 00:43:59.060 can offer more patients breast

NOTE Confidence: 0.880195

00:43:59.060 --> 00:44:01.298 conservation and how we can make

NOTE Confidence: 0.880195

00:44:01.298 --> 00:44:04.410 sure to ensure the best cosmetic and

NOTE Confidence: 0.880195

00:44:04.410 --> 00:44:06.246 functional outcomes for patients.

NOTE Confidence: 0.880195

00:44:06.250 --> 00:44:06.850 Thank you.

NOTE Confidence: 0.84878045

00:44:08.330 --> 00:44:10.262 Thank you so much Doctor Lynch

NOTE Confidence: 0.84878045

00:44:10.262 --> 00:44:12.210 that is just absolutely fantastic.

NOTE Confidence: 0.84878045

00:44:12.210 --> 00:44:14.448 What a wonderful addition to our

NOTE Confidence: 0.84878045

00:44:14.448 --> 00:44:16.798 breast program and you know skills

NOTE Confidence: 0.84878045

00:44:16.798 --> 00:44:19.156 and techniques that I certainly can

NOTE Confidence: 0.84878045

00:44:19.156 --> 00:44:21.407 learn from you and so many others

NOTE Confidence: 0.84878045

00:44:21.407 --> 00:44:23.859 as well to an last but not least

NOTE Confidence: 0.84878045

00:44:23.859 --> 00:44:25.624 obviously is Doctor Rachel Green,

NOTE Confidence: 0.84878045

00:44:25.630 --> 00:44:27.038 Upper section chief in

NOTE Confidence: 0.84878045

00:44:27.038 --> 00:44:28.094 Breast Surgical oncology,

NOTE Confidence: 0.84878045

00:44:28.100 --> 00:44:29.464 really discussing and focusing

NOTE Confidence: 0.84878045

00:44:29.464 --> 00:44:31.169 on the young woman's perspective

NOTE Confidence: 0.84878045

00:44:31.169 --> 00:44:32.690 and breast cancer surgery.

NOTE Confidence: 0.86008126

00:44:34.990 --> 00:44:36.880 And Doctor Lynch, you have a bunch

NOTE Confidence: 0.86008126

00:44:36.880 --> 00:44:40.170 of questions in the chat box and.

NOTE Confidence: 0.86008126

00:44:40.170 --> 00:44:42.066 Into the answer and will will

NOTE Confidence: 0.86008126

00:44:42.066 --> 00:44:44.159 have a some time at the end.

NOTE Confidence: 0.86008126

00:44:44.160 --> 00:44:46.616 Also to open it up to the larger

NOTE Confidence: 0.85978884

00:44:46.620 --> 00:44:47.538 audience. Thank you.

NOTE Confidence: 0.89070404

00:44:49.360 --> 00:44:53.469 I'm just going to unmute myself and.

NOTE Confidence: 0.89070404

00:44:53.470 --> 00:44:55.630 Get my slides connected alright,

NOTE Confidence: 0.89070404

00:44:55.630 --> 00:44:57.789 well thank you everyone for

NOTE Confidence: 0.89070404

00:44:57.790 --> 00:44:59.514 joining us this afternoon.

NOTE Confidence: 0.89070404

00:44:59.514 --> 00:45:02.538 As mentioned, my name is Rachel Greenup,

NOTE Confidence: 0.89070404

00:45:02.540 --> 00:45:05.804 I just joined Yale in February and I'm

NOTE Confidence: 0.89070404

00:45:05.804 --> 00:45:09.198 thrilled to be here and I'll be talking

NOTE Confidence: 0.89070404

00:45:09.198 --> 00:45:12.039 today about young women with breast

NOTE Confidence: 0.89070404

00:45:12.039 --> 00:45:14.774 cancer perspectives from a surgeon.

NOTE Confidence: 0.89070404

00:45:14.780 --> 00:45:16.958 I have no relevant just disclosures,

NOTE Confidence: 0.89070404

00:45:16.960 --> 00:45:19.060 except that I became really interested

NOTE Confidence: 0.89070404

00:45:19.060 --> 00:45:21.645 in this topic from a clinical perspective

NOTE Confidence: 0.89070404

00:45:21.645 --> 00:45:24.263 when my dear friend was diagnosed with

NOTE Confidence: 0.89070404

00:45:24.333 --> 00:45:26.790 triple negative breast cancer at age 32,

NOTE Confidence: 0.89070404

00:45:26.790 --> 00:45:28.246 she's doing well practicing

NOTE Confidence: 0.89070404

00:45:28.246 --> 00:45:30.430 as a surgeon in the Midwest,

NOTE Confidence: 0.89070404

00:45:30.430 --> 00:45:34.069 but I had the privilege of being part of her

NOTE Confidence: 0.89070404

00:45:34.070 --> 00:45:38.700 journey and learning a lot along the way.

NOTE Confidence: 0.89070404

00:45:38.700 --> 00:45:39.648 So, as mentioned,

NOTE Confidence: 0.89070404

00:45:39.648 --> 00:45:42.275 we know that breast cancer is a really

NOTE Confidence: 0.89070404

00:45:42.275 --> 00:45:44.711 common disease in the United States with

NOTE Confidence: 0.89070404

00:45:44.711 --> 00:45:47.636 one in eight women over their lifetime

NOTE Confidence: 0.89070404

00:45:47.636 --> 00:45:49.796 being diagnosed with breast cancer.

NOTE Confidence: 0.89070404

00:45:49.800 --> 00:45:51.565 And this assumes that women

NOTE Confidence: 0.89070404

00:45:51.565 --> 00:45:54.240 live to be in their 8th decade.

NOTE Confidence: 0.89070404

00:45:54.240 --> 00:45:57.570 But we, when we look at women under 40,

NOTE Confidence: 0.89070404

00:45:57.570 --> 00:46:00.978 there's only about 4% of new breast cancer

NOTE Confidence: 0.89070404

00:46:00.978 --> 00:46:03.670 cases affecting this younger population.

NOTE Confidence: 0.89070404

00:46:03.670 --> 00:46:06.991 I'm gonna be talking about a kind of popery

NOTE Confidence: 0.89070404

00:46:06.991 --> 00:46:10.339 of topics related to this young cohort,

NOTE Confidence: 0.89070404

00:46:10.340 --> 00:46:12.004 including breast cancer screening,

NOTE Confidence: 0.89070404

00:46:12.004 --> 00:46:13.264 the incidence, prevalence,

NOTE Confidence: 0.89070404

00:46:13.264 --> 00:46:14.536 biology, and prognosis.

NOTE Confidence: 0.89070404

00:46:14.536 --> 00:46:16.232 Thinking a bit about

NOTE Confidence: 0.89070404

00:46:16.232 --> 00:46:17.849 surgical issues and options,

NOTE Confidence: 0.89070404

00:46:17.850 --> 00:46:18.682 discussing pregnancy,

NOTE Confidence: 0.89070404

00:46:18.682 --> 00:46:19.930 associated breast cancer,

NOTE Confidence: 0.89070404

00:46:19.930 --> 00:46:22.015 and then unique issues within

NOTE Confidence: 0.89070404

00:46:22.015 --> 00:46:22.849 survivorship care.

NOTE Confidence: 0.89070404

00:46:22.850 --> 00:46:25.991 So there's been a lot of controversy in the

NOTE Confidence: 0.89070404

00:46:25.991 --> 00:46:29.107 last decade about breast cancer screening.

NOTE Confidence: 0.89070404

00:46:29.110 --> 00:46:31.490 the US Preventive Taskforce originally

NOTE Confidence: 0.89070404

00:46:31.490 --> 00:46:34.728 recommended that women should wait to have

NOTE Confidence: 0.89070404

00:46:34.728 --> 00:46:37.080 breast cancer screen until they reached.

NOTE Confidence: 0.89070404

00:46:37.080 --> 00:46:39.756 Age 50 the American Cancer Society

NOTE Confidence: 0.89070404

00:46:39.756 --> 00:46:41.540 has recommended that younger

NOTE Confidence: 0.89070404

00:46:41.618 --> 00:46:44.282 patients ages 40 to 44 should have a

NOTE Confidence: 0.89070404

00:46:44.282 --> 00:46:46.898 choice and that risk and potential

NOTE Confidence: 0.89070404

00:46:46.898 --> 00:46:48.774 benefit should be considered,

NOTE Confidence: 0.89070404

00:46:48.780 --> 00:46:50.452 including women who have

NOTE Confidence: 0.89070404

00:46:50.452 --> 00:46:52.124 a higher lifetime risk,

NOTE Confidence: 0.89070404

00:46:52.130 --> 00:46:56.295 who should start at 40 years old.

NOTE Confidence: 0.89070404

00:46:56.300 --> 00:46:58.255 The American Society of Breast

NOTE Confidence: 0.89070404

00:46:58.255 --> 00:47:00.683 Surgeons more recently came up with

NOTE Confidence: 0.89070404

00:47:00.683 --> 00:47:02.703 guidelines specific to our surgical

NOTE Confidence: 0.89070404

00:47:02.703 --> 00:47:05.559 community and that all women ages 25

NOTE Confidence: 0.89070404

00:47:05.559 --> 00:47:07.905 and older should undergo formal risk

NOTE Confidence: 0.89070404

00:47:07.905 --> 00:47:09.768 assessment for breast cancer that

NOTE Confidence: 0.89070404

00:47:09.768 --> 00:47:11.970 women with an average risk should

NOTE Confidence: 0.89070404

00:47:12.038 --> 00:47:13.873 begin yearly screening starting at

NOTE Confidence: 0.89070404

00:47:13.873 --> 00:47:17.131 age 40 and women with a higher risk

NOTE Confidence: 0.89070404

00:47:17.131 --> 00:47:18.939 should include screening mammography

NOTE Confidence: 0.89070404

00:47:18.939 --> 00:47:21.270 with the potential for supplemental

NOTE Confidence: 0.89070404

00:47:21.270 --> 00:47:24.180 imaging including ultrasound and or MRI.

NOTE Confidence: 0.89070404

00:47:24.180 --> 00:47:26.820 An they also included a really

NOTE Confidence: 0.89070404

00:47:26.820 --> 00:47:28.580 valuable component within their

NOTE Confidence: 0.89070404

00:47:28.654 --> 00:47:30.500 screening recommendations,

NOTE Confidence: 0.89070404

00:47:30.500 --> 00:47:32.708 which included guidelines around

NOTE Confidence: 0.89070404

00:47:32.708 --> 00:47:36.678 breast density and that in the US

NOTE Confidence: 0.89070404

00:47:36.678 --> 00:47:38.938 means tomosynthesis imaging and

NOTE Confidence: 0.89070404

00:47:38.938 --> 00:47:41.198 or MRI with ultrasound.

NOTE Confidence: 0.89070404

00:47:41.200 --> 00:47:42.328 So in our world,

NOTE Confidence: 0.89070404

00:47:42.328 --> 00:47:44.731 many women do come in with this green

NOTE Confidence: 0.89070404

00:47:44.731 --> 00:47:46.978 detected cancer and you can see on

NOTE Confidence: 0.89070404

00:47:46.978 --> 00:47:49.502 the mammogram here highlighted in my

NOTE Confidence: 0.89070404

00:47:49.502 --> 00:47:52.194 circle that there's a spiculated mass,

NOTE Confidence: 0.89070404

00:47:52.194 --> 00:47:55.518 but in a heterogeneously dense breast.

NOTE Confidence: 0.89070404

00:47:55.520 --> 00:47:58.054 Most women then go on have ultrasound

NOTE Confidence: 0.89070404

00:47:58.054 --> 00:48:01.004 and a biopsy showing cancer and they

NOTE Confidence: 0.89070404

00:48:01.004 --> 00:48:03.244 meet their surgical team either

NOTE Confidence: 0.89070404

00:48:03.244 --> 00:48:05.509 before or after this diagnosis.

NOTE Confidence: 0.89070404

00:48:05.510 --> 00:48:07.946 We know there are risk factors

NOTE Confidence: 0.89070404

00:48:07.946 --> 00:48:09.986 for breast cancer, summer nature,

NOTE Confidence: 0.89070404

00:48:09.986 --> 00:48:11.618 summer nurture being female.

NOTE Confidence: 0.89070404

00:48:11.620 --> 00:48:14.056 Certainly as age increases over time,

NOTE Confidence: 0.89070404

00:48:14.060 --> 00:48:16.496 having a genetic mutation or a

NOTE Confidence: 0.89070404

00:48:16.496 --> 00:48:17.714 personal family history,

NOTE Confidence: 0.89070404

00:48:17.720 --> 00:48:20.156 we know that any prior biopsy,

NOTE Confidence: 0.89070404

00:48:20.160 --> 00:48:22.200 whether it's benign or malignant,

NOTE Confidence: 0.83137494

00:48:22.200 --> 00:48:25.049 is associated with a higher lifetime risk.

NOTE Confidence: 0.83137494

00:48:25.050 --> 00:48:25.864 Menstrual history.

NOTE Confidence: 0.83137494

00:48:25.864 --> 00:48:27.899 There's some data around race,

NOTE Confidence: 0.83137494

00:48:27.900 --> 00:48:29.348 and certainly breast density.

NOTE Confidence: 0.83137494

00:48:29.348 --> 00:48:31.520 The nurture piece we look at

NOTE Confidence: 0.83137494

00:48:31.591 --> 00:48:33.592 delayed childbirth, alcohol intake,

NOTE Confidence: 0.83137494

00:48:33.592 --> 00:48:35.285 high fat diet, smoking.

NOTE Confidence: 0.83137494

00:48:35.285 --> 00:48:37.660 There's a lot of data.

NOTE Confidence: 0.83137494

00:48:37.660 --> 00:48:38.314 Coming out,

NOTE Confidence: 0.83137494

00:48:38.314 --> 00:48:40.603 some of which has been driven by

NOTE Confidence: 0.83137494

00:48:40.603 --> 00:48:42.820 Melinda Irwin and terracing after it.

NOTE Confidence: 0.83137494

00:48:42.820 --> 00:48:44.540 Yeah looking at body weight,

NOTE Confidence: 0.83137494

00:48:44.540 --> 00:48:46.260 an exercise history of childhood

NOTE Confidence: 0.83137494

00:48:46.260 --> 00:48:47.636 or young adult radiation,

NOTE Confidence: 0.83137494

00:48:47.640 --> 00:48:49.698 an long term hormone replacement use.

NOTE Confidence: 0.871685

00:48:51.750 --> 00:48:54.590 So we know that risk of breast

NOTE Confidence: 0.871685

00:48:54.590 --> 00:48:56.210 cancer increases with age.

NOTE Confidence: 0.871685

00:48:56.210 --> 00:48:58.235 These are data from the

NOTE Confidence: 0.871685

00:48:58.235 --> 00:48:59.450 American Cancer Society,

NOTE Confidence: 0.871685

00:48:59.450 --> 00:49:02.173 facts and figures from 2019 showing that

NOTE Confidence: 0.871685

00:49:02.173 --> 00:49:05.222 risk of breast cancer peaks in the 7th

NOTE Confidence: 0.871685

00:49:05.222 --> 00:49:07.950 decade across all races and ethnicities,

NOTE Confidence: 0.871685

00:49:07.950 --> 00:49:10.782 and so you can see that in our

NOTE Confidence: 0.871685

00:49:10.782 --> 00:49:13.216 younger patient population which is

NOTE Confidence: 0.871685

00:49:13.216 --> 00:49:15.113 diagnosed typically under age 45.

NOTE Confidence: 0.871685

00:49:15.113 --> 00:49:16.557 But that definition also

NOTE Confidence: 0.871685

00:49:16.557 --> 00:49:18.480 varies in the literature.

NOTE Confidence: 0.871685

00:49:18.480 --> 00:49:20.590 Breast cancer risk is less.

NOTE Confidence: 0.871685

00:49:20.590 --> 00:49:22.930 Comment it occurs in about

NOTE Confidence: 0.871685

00:49:22.930 --> 00:49:25.148 10% of women under 40.

NOTE Confidence: 0.871685

00:49:25.148 --> 00:49:27.770 There has been some speculation in

NOTE Confidence: 0.871685

00:49:27.860 --> 00:49:30.625 the literature that young women's

NOTE Confidence: 0.871685

00:49:30.625 --> 00:49:33.390 breast cancer has been increasing

NOTE Confidence: 0.871685

00:49:33.476 --> 00:49:35.852 over time in patients will often

NOTE Confidence: 0.871685

00:49:35.852 --> 00:49:38.844 come in and ask us about that,

NOTE Confidence: 0.871685

00:49:38.844 --> 00:49:41.184 but the data suggests that

NOTE Confidence: 0.871685

00:49:41.184 --> 00:49:43.049 the prevalence is stable.

NOTE Confidence: 0.871685

00:49:43.050 --> 00:49:46.039 We know that 50% of cancers in

NOTE Confidence: 0.871685

00:49:46.039 --> 00:49:48.670 younger patients are breast cancers,

NOTE Confidence: 0.871685

00:49:48.670 --> 00:49:50.906 an unfortunately the survival.

NOTE Confidence: 0.871685

00:49:50.906 --> 00:49:54.260 Is typically lower in young women.

NOTE Confidence: 0.871685

00:49:54.260 --> 00:49:55.890 All of that being said,

NOTE Confidence: 0.871685

00:49:55.890 --> 00:49:58.410 when you look at the risk of breast

NOTE Confidence: 0.871685

00:49:58.410 --> 00:50:00.438 cancer in women in their 20s,

NOTE Confidence: 0.871685

00:50:00.440 --> 00:50:01.724 thirties and 40s,

NOTE Confidence: 0.871685

00:50:01.724 --> 00:50:04.292 it does remain relatively low and

NOTE Confidence: 0.871685

00:50:04.292 --> 00:50:06.760 their risk of death is very low.

NOTE Confidence: 0.871685

00:50:06.760 --> 00:50:09.649 In this population.

NOTE Confidence: 0.871685

00:50:09.650 --> 00:50:12.014 When we look at tumor Biology

NOTE Confidence: 0.871685

00:50:12.014 --> 00:50:13.196 among young women,

NOTE Confidence: 0.871685

00:50:13.200 --> 00:50:15.560 so on the right that figure again is

NOTE Confidence: 0.871685

00:50:15.560 --> 00:50:18.057 from the American Cancer Society data

NOTE Confidence: 0.871685

00:50:18.057 --> 00:50:20.352 showing that the overwhelming majority

NOTE Confidence: 0.871685

00:50:20.352 --> 00:50:22.948 of all breast cancer patients tend

NOTE Confidence: 0.871685

00:50:22.948 --> 00:50:25.413 to be hormone receptor positive and

NOTE Confidence: 0.871685

00:50:25.413 --> 00:50:28.164 her two negative in our younger patients,

NOTE Confidence: 0.871685

00:50:28.170 --> 00:50:30.767 they are more likely to have unfavorable

NOTE Confidence: 0.871685

00:50:30.767 --> 00:50:32.900 or higher risk tumor biology,

NOTE Confidence: 0.871685

00:50:32.900 --> 00:50:35.258 including higher risk of ER PR,

NOTE Confidence: 0.871685

00:50:35.260 --> 00:50:36.048 negative tumors,

NOTE Confidence: 0.871685

00:50:36.048 --> 00:50:37.637 higher Ki 67, expression,

NOTE Confidence: 0.871685

00:50:37.637 --> 00:50:40.079 more likely to have lymphovascular invasion.

NOTE Confidence: 0.871685

00:50:40.080 --> 00:50:43.680 And Grade 3 tumors.

NOTE Confidence: 0.871685

00:50:43.680 --> 00:50:46.390 I'm sorry my slides are jumping.

NOTE Confidence: 0.871685

00:50:46.390 --> 00:50:48.146 These data are older.

NOTE Confidence: 0.871685

00:50:48.146 --> 00:50:50.780 They were published in 1994 in

NOTE Confidence: 0.871685

00:50:50.870 --> 00:50:53.150 the Journal of Clinical Oncology,

NOTE Confidence: 0.871685

00:50:53.150 --> 00:50:55.922 but they were important in first

NOTE Confidence: 0.871685

00:50:55.922 --> 00:50:58.707 demonstrating that age alone young age

NOTE Confidence: 0.871685

00:50:58.707 --> 00:51:01.263 alone was a poor prognostic factor,

NOTE Confidence: 0.871685

00:51:01.270 --> 00:51:03.944 so we know that women less than

NOTE Confidence: 0.871685

00:51:03.944 --> 00:51:06.604 35 represented on the graphs by

NOTE Confidence: 0.871685

00:51:06.604 --> 00:51:08.984 the solid line had significantly

NOTE Confidence: 0.871685

00:51:08.984 --> 00:51:11.190 worse outcomes across disease.

NOTE Confidence: 0.871685

00:51:11.190 --> 00:51:12.994 Specific survival overall survival,

NOTE Confidence: 0.871685

00:51:12.994 --> 00:51:14.798 an risk of recurrence.

NOTE Confidence: 0.88419867

00:51:16.850 --> 00:51:19.517 More recently, we can see that the

NOTE Confidence: 0.88419867

00:51:19.517 --> 00:51:22.438 Boston Group here looked at risk of

NOTE Confidence: 0.88419867

00:51:22.438 --> 00:51:24.558 local recurrence in younger women.

NOTE Confidence: 0.88419867

00:51:24.560 --> 00:51:27.808 If you look at the breast cancer cohort,

NOTE Confidence: 0.88419867

00:51:27.810 --> 00:51:30.897 overall, the overall risk of local recurrence

NOTE Confidence: 0.88419867

00:51:30.897 --> 00:51:33.089 after breast conservation was about 2%,

NOTE Confidence: 0.88419867

00:51:33.090 --> 00:51:35.706 but in the younger cohort defined

NOTE Confidence: 0.88419867

00:51:35.706 --> 00:51:38.767 in this study as ages 26 to 45,

NOTE Confidence: 0.88419867

00:51:38.770 --> 00:51:43.216 there was a five year cumulative risk of 5%.

NOTE Confidence: 0.88419867

00:51:43.220 --> 00:51:46.484 The figure on the left shows that this

NOTE Confidence: 0.88419867

00:51:46.484 --> 00:51:48.638 certainly varied by tumor subtype.

NOTE Confidence: 0.88419867

00:51:48.640 --> 00:51:51.412 With her two positive and triple negative

NOTE Confidence: 0.88419867

00:51:51.412 --> 00:51:53.978 breast cancers being more likely to

NOTE Confidence: 0.88419867

00:51:53.978 --> 00:51:56.081 demonstrate in breast recurrence, overtime,

NOTE Confidence: 0.88419867

00:51:56.081 --> 00:51:58.187 an overall age was an independent

NOTE Confidence: 0.88419867

00:51:58.187 --> 00:52:00.779 risk for local recurrence after breast

NOTE Confidence: 0.88419867

00:52:00.779 --> 00:52:03.239 conservation but remained acceptably low.

NOTE Confidence: 0.8556857

00:52:05.680 --> 00:52:07.108 These data were published

NOTE Confidence: 0.8556857

00:52:07.108 --> 00:52:08.893 by a colleague and friend,

NOTE Confidence: 0.8556857

00:52:08.900 --> 00:52:10.690 Carrie Anders, again in 2008,

NOTE Confidence: 0.8556857

00:52:10.690 --> 00:52:12.480 but this was a collaborative

NOTE Confidence: 0.8556857

00:52:12.480 --> 00:52:14.270 effort between Duke and UNC,

NOTE Confidence: 0.8556857

00:52:14.270 --> 00:52:16.286 where they looked at tissue samples

NOTE Confidence: 0.8556857

00:52:16.286 --> 00:52:18.210 in younger versus older patients.

NOTE Confidence: 0.8556857

00:52:18.210 --> 00:52:19.920 Defined in this study as

NOTE Confidence: 0.8556857

00:52:19.920 --> 00:52:22.510 less than 45 or 65 and older,

NOTE Confidence: 0.8556857

00:52:22.510 --> 00:52:23.995 they did find that younger

NOTE Confidence: 0.8556857

00:52:23.995 --> 00:52:26.012 women had lower rates of hormone

NOTE Confidence: 0.8556857

00:52:26.012 --> 00:52:27.880 receptor positive breast cancer.

NOTE Confidence: 0.8556857

00:52:27.880 --> 00:52:30.351 Higher rates of her two positive cancer

NOTE Confidence: 0.8556857

00:52:30.351 --> 00:52:32.170 presented with larger tumor sizes,

NOTE Confidence: 0.8556857

00:52:32.170 --> 00:52:33.277 an higher grades,

NOTE Confidence: 0.8556857

00:52:33.277 --> 00:52:35.491 an again younger age was an

NOTE Confidence: 0.8556857

00:52:35.491 --> 00:52:37.478 independent risk factor for disease.

NOTE Confidence: 0.8556857

00:52:37.480 --> 00:52:40.440 Free survival.

NOTE Confidence: 0.8556857

00:52:40.440 --> 00:52:42.938 And during my time at Boston,

NOTE Confidence: 0.8556857

00:52:42.938 --> 00:52:44.968 we pursued evaluation of younger

NOTE Confidence: 0.8556857

00:52:44.968 --> 00:52:47.263 patients and the predicted value

NOTE Confidence: 0.8556857

00:52:47.263 --> 00:52:49.623 of pathologic complete response on

NOTE Confidence: 0.8556857

00:52:49.623 --> 00:52:51.967 overall survival in this rare cohort.

NOTE Confidence: 0.8556857

00:52:51.970 --> 00:52:54.526 So we know that across our

NOTE Confidence: 0.8556857

00:52:54.526 --> 00:52:55.804 breast cancer patients,

NOTE Confidence: 0.8556857

00:52:55.810 --> 00:52:57.118 regardless of age,

NOTE Confidence: 0.8556857

00:52:57.118 --> 00:52:58.862 having neoadjuvant chemo with

NOTE Confidence: 0.8556857

00:52:58.862 --> 00:53:00.649 a pathologic complete response

NOTE Confidence: 0.8556857

00:53:00.649 --> 00:53:02.293 correlate's with excellent survival

NOTE Confidence: 0.8556857

00:53:02.293 --> 00:53:04.831 and the data from the original

NOTE Confidence: 0.8556857

00:53:04.831 --> 00:53:06.906 neoadjuvant studies at the NSC,

NOTE Confidence: 0.8556857

00:53:06.910 --> 00:53:07.290 BP.

NOTE Confidence: 0.8556857

00:53:07.290 --> 00:53:09.570 19 and 27 suggested that perhaps

NOTE Confidence: 0.8556857

00:53:09.570 --> 00:53:11.610 in younger patient populations,

NOTE Confidence: 0.8556857

00:53:11.610 --> 00:53:12.894 preoperative chemo was.

NOTE Confidence: 0.8556857

00:53:12.894 --> 00:53:15.034 Correlated with not only improved

NOTE Confidence: 0.8556857

00:53:15.034 --> 00:53:17.130 eligibility for breast conservation,

NOTE Confidence: 0.8556857

00:53:17.130 --> 00:53:19.380 but also improved overall survival,

NOTE Confidence: 0.8556857

00:53:19.380 --> 00:53:21.635 but it was not statistically

NOTE Confidence: 0.8556857

00:53:21.635 --> 00:53:23.439 significant in those studies,

NOTE Confidence: 0.8556857

00:53:23.440 --> 00:53:26.528 and so we wanted to get a better

NOTE Confidence: 0.8556857

00:53:26.528 --> 00:53:29.758 sense of in a contemporary cohort.

NOTE Confidence: 0.8556857

00:53:29.760 --> 00:53:32.358 How did on neoadjuvant chemo and

NOTE Confidence: 0.8556857

00:53:32.358 --> 00:53:34.090 pathologic response impact cancer

NOTE Confidence: 0.8556857

00:53:34.164 --> 00:53:36.068 outcomes in younger patients?

NOTE Confidence: 0.8556857

00:53:36.070 --> 00:53:39.318 And you can see here women under 40

NOTE Confidence: 0.8556857

00:53:39.318 --> 00:53:41.815 at diagnosis who received neoadjuvant

NOTE Confidence: 0.8556857

00:53:41.815 --> 00:53:45.013 chemo for stage two and three

NOTE Confidence: 0.8556857

00:53:45.013 --> 00:53:48.167 invasive cancers between 1998 and 2014.

NOTE Confidence: 0.8556857

00:53:48.170 --> 00:53:50.486 At mass General Hospital were evaluated.

NOTE Confidence: 0.8556857

00:53:50.490 --> 00:53:52.854 Overall there were only 170 young

NOTE Confidence: 0.8556857

00:53:52.854 --> 00:53:55.140 women in this analytic data set.

NOTE Confidence: 0.8556857

00:53:55.140 --> 00:53:58.060 About 30% received a path CR and this

NOTE Confidence: 0.8556857

00:53:58.060 --> 00:54:00.939 was more likely in Grade 3 disease.

NOTE Confidence: 0.8556857

00:54:00.940 --> 00:54:04.025 Her two positive and triple

NOTE Confidence: 0.8556857

00:54:04.025 --> 00:54:05.876 negative breast cancers.

NOTE Confidence: 0.8556857

00:54:05.880 --> 00:54:08.140 Age alone was not predicted

NOTE Confidence: 0.8556857

00:54:08.140 --> 00:54:09.496 for pathologic response,

NOTE Confidence: 0.8556857

00:54:09.500 --> 00:54:13.124 but when you look at a younger cohort,

NOTE Confidence: 0.8556857

00:54:13.130 --> 00:54:14.100 pathologic response,

NOTE Confidence: 0.8556857

00:54:14.100 --> 00:54:15.070 not surprisingly,

NOTE Confidence: 0.8556857

00:54:15.070 --> 00:54:17.495 was correlated with improved disease

NOTE Confidence: 0.8556857

00:54:17.495 --> 00:54:19.685 free and overall survival compared

NOTE Confidence: 0.8556857

00:54:19.685 --> 00:54:21.740 to women with residual disease.

NOTE Confidence: 0.8556857

00:54:21.740 --> 00:54:24.701 And this was based on tumor subtype

NOTE Confidence: 0.8556857

00:54:24.701 --> 00:54:26.720 with hormone receptor positive.

NOTE Confidence: 0.8556857

00:54:26.720 --> 00:54:30.031 Her two negative past CR responders having

NOTE Confidence: 0.8556857

00:54:30.031 --> 00:54:32.888 the best survival followed by triple

NOTE Confidence: 0.8556857

00:54:32.888 --> 00:54:36.038 Negative and her two positive past CR.

NOTE Confidence: 0.8556857

00:54:36.040 --> 00:54:37.970 Patients.

NOTE Confidence: 0.8556857

00:54:37.970 --> 00:54:40.205 Moving on to decisions for

NOTE Confidence: 0.8556857

00:54:40.205 --> 00:54:42.770 breast cancer surgery in the US,

NOTE Confidence: 0.8556857

00:54:42.770 --> 00:54:45.308 we face young and older women

NOTE Confidence: 0.8556857

00:54:45.308 --> 00:54:47.516 with early stage breast cancer

NOTE Confidence: 0.8556857

00:54:47.516 --> 00:54:50.533 an we offer them a choice for

NOTE Confidence: 0.8556857

00:54:50.533 --> 00:54:52.359 decisions related to surgery.

NOTE Confidence: 0.8556857

00:54:52.360 --> 00:54:54.976 We have very good and long

NOTE Confidence: 0.8556857

00:54:54.976 --> 00:54:56.720 term and contemporary data,

NOTE Confidence: 0.8556857

00:54:56.720 --> 00:54:59.495 both clinical trials and observational

NOTE Confidence: 0.8556857

00:54:59.495 --> 00:55:01.715 studies suggesting that these

NOTE Confidence: 0.8556857

00:55:01.715 --> 00:55:03.639 outcomes are not different.

NOTE Confidence: 0.8556857

00:55:03.640 --> 00:55:07.536 When our young patients come talk to us,

NOTE Confidence: 0.8556857

00:55:07.540 --> 00:55:10.956 they meet the larger multi disciplinary team.

NOTE Confidence: 0.8556857

00:55:10.960 --> 00:55:12.912 This often includes surgeons,

NOTE Confidence: 0.8556857

00:55:12.912 --> 00:55:13.888 medical oncologists,

NOTE Confidence: 0.8556857

00:55:13.890 --> 00:55:15.108 radiation oncologist,

NOTE Confidence: 0.8556857

00:55:15.108 --> 00:55:16.326 plastic surgeons,

NOTE Confidence: 0.8556857

00:55:16.326 --> 00:55:18.762 genetic counselors and sometimes

NOTE Confidence: 0.8556857

00:55:18.762 --> 00:55:19.980 oncofertility specialists

NOTE Confidence: 0.8556857

00:55:20.048 --> 00:55:21.788 which I'll touch on briefly.

NOTE Confidence: 0.8556857

00:55:21.790 --> 00:55:24.667 But we discussed with them recovery time,

NOTE Confidence: 0.8556857

00:55:24.670 --> 00:55:25.909 risk of recurrence,

NOTE Confidence: 0.8556857

00:55:25.909 --> 00:55:27.148 Peace of Mind,

NOTE Confidence: 0.8556857

00:55:27.150 --> 00:55:28.794 side effects and complications

NOTE Confidence: 0.8556857

00:55:28.794 --> 00:55:30.438 need for future surveillance,

NOTE Confidence: 0.8556857

00:55:30.440 --> 00:55:33.295 appearance and how this really

NOTE Confidence: 0.8556857

00:55:33.295 --> 00:55:35.008 impacts their lives.

NOTE Confidence: 0.8556857

00:55:35.010 --> 00:55:37.195 And the international consensus guidelines

NOTE Confidence: 0.8556857

00:55:37.195 --> 00:55:38.943 from 2019 strongly recommended,

NOTE Confidence: 0.8556857

00:55:38.950 --> 00:55:42.454 and these were experts from across the globe.

NOTE Confidence: 0.8556857

00:55:42.460 --> 00:55:44.512 Really recommended that local

NOTE Confidence: 0.8556857

00:55:44.512 --> 00:55:46.564 regional treatment in younger

NOTE Confidence: 0.8556857

00:55:46.564 --> 00:55:48.726 patients should not really differ

NOTE Confidence: 0.8556857

00:55:48.726 --> 00:55:51.211 from what we offer to older women.

NOTE Confidence: 0.87017626

00:55:51.220 --> 00:55:53.250 We should think strongly about

NOTE Confidence: 0.87017626

00:55:53.250 --> 00:55:55.280 breast conserving surgery as the

NOTE Confidence: 0.87017626

00:55:55.350 --> 00:55:57.350 first option whenever possible.

NOTE Confidence: 0.87017626

00:55:57.350 --> 00:55:59.560 I'm knowing that their survival

NOTE Confidence: 0.87017626

00:55:59.560 --> 00:56:03.144 overall is the same and that we should

NOTE Confidence: 0.87017626

00:56:03.144 --> 00:56:05.718 think as Doctor Lynch touched on.

NOTE Confidence: 0.87017626

00:56:05.720 --> 00:56:07.380 About uncle plastic repairs

NOTE Confidence: 0.87017626

00:56:07.380 --> 00:56:08.210 and reconstruction.

NOTE Confidence: 0.87017626

00:56:08.210 --> 00:56:10.310 An that false negative rates

NOTE Confidence: 0.87017626

00:56:10.310 --> 00:56:12.410 are worse outcomes related to

NOTE Confidence: 0.87017626

00:56:12.485 --> 00:56:14.915 central node biopsy use in this

NOTE Confidence: 0.87017626

00:56:14.915 --> 00:56:17.339 population should not be a concern,

NOTE Confidence: 0.87017626

00:56:17.340 --> 00:56:19.758 and I encourage anyone interested in

NOTE Confidence: 0.87017626

00:56:19.758 --> 00:56:22.319 this population to read this article.

NOTE Confidence: 0.87017626

00:56:22.320 --> 00:56:24.400 It touches on both local,

NOTE Confidence: 0.87017626

00:56:24.400 --> 00:56:27.055 regional systemic treatment guidelines and

NOTE Confidence: 0.87017626

00:56:27.055 --> 00:56:29.179 then recommendations for survivorship.

NOTE Confidence: 0.87017626

00:56:29.180 --> 00:56:30.030 As mentioned,

NOTE Confidence: 0.87017626

00:56:30.030 --> 00:56:32.155 when we perform a mastectomy,

NOTE Confidence: 0.87017626

00:56:32.160 --> 00:56:35.362 we can often perform ****** sparing with

NOTE Confidence: 0.87017626

00:56:35.362 --> 00:56:37.506 wonderful options for reconstruction.

NOTE Confidence: 0.87017626

00:56:37.510 --> 00:56:40.387 And there is some data coming out.

NOTE Confidence: 0.87017626

00:56:40.390 --> 00:56:43.190 This is from my colleague and friend

NOTE Confidence: 0.87017626

00:56:43.190 --> 00:56:45.543 Catherine Patches at the University

NOTE Confidence: 0.87017626

00:56:45.543 --> 00:56:47.695 of Chicago Northshore practice.

NOTE Confidence: 0.87017626

00:56:47.700 --> 00:56:50.493 That in a prospective study of women

NOTE Confidence: 0.87017626

00:56:50.493 --> 00:56:52.410 undergoing breast cancer treatment,

NOTE Confidence: 0.87017626

00:56:52.410 --> 00:56:54.550 either breast conservation or mastectomy,

NOTE Confidence: 0.87017626

00:56:54.550 --> 00:56:57.004 the quality of life does not

NOTE Confidence: 0.87017626

00:56:57.004 --> 00:56:59.260 differ based on surgical choice,

NOTE Confidence: 0.87017626

00:56:59.260 --> 00:57:02.292 and so I think we can rest assured

NOTE Confidence: 0.87017626

00:57:02.292 --> 00:57:05.487 that even for our younger patients

NOTE Confidence: 0.87017626

00:57:05.487 --> 00:57:07.831 lumpectomy with radiation or

NOTE Confidence: 0.87017626

00:57:07.831 --> 00:57:10.220 mastectomy are safe options.

NOTE Confidence: 0.87017626

00:57:10.220 --> 00:57:12.358 Moving on to pregnancy associated

NOTE Confidence: 0.87017626

00:57:12.358 --> 00:57:13.636 breast cancer again,

NOTE Confidence: 0.87017626

00:57:13.640 --> 00:57:15.780 even more rare than breast

NOTE Confidence: 0.87017626

00:57:15.780 --> 00:57:17.920 cancer in our younger patients.

NOTE Confidence: 0.87017626

00:57:17.920 --> 00:57:20.916 We know this can occur in women,

NOTE Confidence: 0.87017626

00:57:20.920 --> 00:57:22.213 typically under 30.

NOTE Confidence: 0.87017626

00:57:22.213 --> 00:57:24.368 This is during the Peripartum

NOTE Confidence: 0.87017626

00:57:24.368 --> 00:57:26.907 period or within the first year.

NOTE Confidence: 0.87017626

00:57:26.910 --> 00:57:29.668 It's very rare that one in three

NOTE Confidence: 0.87017626

00:57:29.668 --> 00:57:32.480 1.3 cases per 10,000 live birds.

NOTE Confidence: 0.87017626

00:57:32.480 --> 00:57:35.098 We do find that the limited literature

NOTE Confidence: 0.87017626

00:57:35.098 --> 00:57:37.764 published on this topic suggests that

NOTE Confidence: 0.87017626

00:57:37.764 --> 00:57:40.224 larger locally advanced breast cancers.

NOTE Confidence: 0.87017626

00:57:40.230 --> 00:57:41.096 More likely,

NOTE Confidence: 0.87017626

00:57:41.096 --> 00:57:41.962 triple negative,

NOTE Confidence: 0.87017626

00:57:41.962 --> 00:57:45.113 an higher rate of death when diagnosis

NOTE Confidence: 0.87017626

00:57:45.113 --> 00:57:47.478 is in the peripartum period.

NOTE Confidence: 0.87017626

00:57:47.480 --> 00:57:49.450 Recommendations if you meet a

NOTE Confidence: 0.87017626

00:57:49.450 --> 00:57:51.965 woman with a breast mass who's

NOTE Confidence: 0.87017626

00:57:51.965 --> 00:57:54.280 pregnant two evaluated on women,

NOTE Confidence: 0.87017626

00:57:54.280 --> 00:57:55.816 can undergo mammogram,

NOTE Confidence: 0.87017626

00:57:55.816 --> 00:57:57.864 a shielding and ultrasound.

NOTE Confidence: 0.87017626

00:57:57.870 --> 00:58:00.140 They should undergo a core

NOTE Confidence: 0.87017626

00:58:00.140 --> 00:58:02.410 needle biopsy of a mass,

NOTE Confidence: 0.87017626

00:58:02.410 --> 00:58:03.772 unless it's concretely

NOTE Confidence: 0.87017626

00:58:03.772 --> 00:58:04.680 radiographically benign.

NOTE Confidence: 0.87017626

00:58:04.680 --> 00:58:07.836 Cornedo biopsy is better than FNA

NOTE Confidence: 0.87017626

00:58:07.836 --> 00:58:10.770 for evaluation of these lesions.

NOTE Confidence: 0.87017626

00:58:10.770 --> 00:58:13.626 When we think about a staging,

NOTE Confidence: 0.87017626

00:58:13.630 --> 00:58:16.969 in the cases where breast cancer exists,

NOTE Confidence: 0.87017626

00:58:16.970 --> 00:58:17.922 chest xray,

NOTE Confidence: 0.87017626

00:58:17.922 --> 00:58:21.254 liver ultrasound labs and non contrast MRI.

NOTE Confidence: 0.87017626

00:58:21.260 --> 00:58:23.425 Although we have had circumstances

NOTE Confidence: 0.87017626

00:58:23.425 --> 00:58:26.183 in which working with OBGYN team

NOTE Confidence: 0.87017626

00:58:26.183 --> 00:58:28.275 to discuss alternative staging

NOTE Confidence: 0.87017626

00:58:28.275 --> 00:58:29.844 evaluation is necessary,

NOTE Confidence: 0.87017626

00:58:29.850 --> 00:58:31.758 many of these patients,

NOTE Confidence: 0.87017626

00:58:31.758 --> 00:58:33.189 young young women,

NOTE Confidence: 0.87017626

00:58:33.190 --> 00:58:34.618 pregnant or not,

NOTE Confidence: 0.87017626

00:58:34.618 --> 00:58:37.474 should be considered for genetic counseling.

NOTE Confidence: 0.87017626

00:58:37.480 --> 00:58:40.336 We know that pregnancy is not protective

NOTE Confidence: 0.87017626

00:58:40.336 --> 00:58:43.279 in these younger patients unfortunately.

NOTE Confidence: 0.87017626

00:58:43.280 --> 00:58:45.656 Although over your lifetime and the

NOTE Confidence: 0.87017626

00:58:45.656 --> 00:58:48.030 number of pregnancies and childbirth.

NOTE Confidence: 0.87017626

00:58:48.030 --> 00:58:50.240 Does provide some benefit against

NOTE Confidence: 0.87017626

00:58:50.240 --> 00:58:52.950 breast cancer risk in younger women?

NOTE Confidence: 0.87017626

00:58:52.950 --> 00:58:55.180 This is a high risk,

NOTE Confidence: 0.87017626

00:58:55.180 --> 00:58:56.684 relatively higher risk time.

NOTE Confidence: 0.87017626

00:58:56.684 --> 00:58:59.582 Women who are pregnant can also undergo

NOTE Confidence: 0.87017626

00:58:59.582 --> 00:59:01.890 mastectomy versus breast conservation,

NOTE Confidence: 0.87017626

00:59:01.890 --> 00:59:05.328 as long as the radiation occurs

NOTE Confidence: 0.87017626

00:59:05.328 --> 00:59:07.620 after delivery and chemotherapy

NOTE Confidence: 0.87017626

00:59:07.719 --> 00:59:09.957 has been proven to be safe

NOTE Confidence: 0.87017626

00:59:09.957 --> 00:59:12.819 in the 2nd and 3rd trimester.

NOTE Confidence: 0.87017626

00:59:12.820 --> 00:59:13.512 So Lastly,

NOTE Confidence: 0.87017626

00:59:13.512 --> 00:59:15.588 I wanted to talk about survivorship

NOTE Confidence: 0.87017626

00:59:15.588 --> 00:59:17.570 in this younger population.

NOTE Confidence: 0.87017626

00:59:17.570 --> 00:59:20.434 In my mind on this quote is really

NOTE Confidence: 0.87017626

00:59:20.434 --> 00:59:22.118 representative of what these

NOTE Confidence: 0.87017626

00:59:22.118 --> 00:59:23.910 younger patients go through.

NOTE Confidence: 0.87017626

00:59:23.910 --> 00:59:25.955 Elizabeth McKinley was an associate

NOTE Confidence: 0.87017626

00:59:25.955 --> 00:59:28.825 Dean of Medicine at Case Western who

NOTE Confidence: 0.87017626

00:59:28.825 --> 00:59:31.825 was diagnosed with breast cancer at age 36,

NOTE Confidence: 0.87017626

00:59:31.830 --> 00:59:34.110 and she says after my last

NOTE Confidence: 0.87017626

00:59:34.110 --> 00:59:35.630 radiation treatment for breast

NOTE Confidence: 0.88009125

00:59:35.701 --> 00:59:37.369 cancer instead of joyous,

NOTE Confidence: 0.88009125

00:59:37.370 --> 00:59:38.954 I felt lonely, abandoned.

NOTE Confidence: 0.88009125

00:59:38.954 --> 00:59:41.790 Terrified, this was the rocky beginning

NOTE Confidence: 0.88009125

00:59:41.790 --> 00:59:44.230 of cancer survivorship for me.

NOTE Confidence: 0.88009125

00:59:44.230 --> 00:59:46.967 So again, many of these young women

NOTE Confidence: 0.88009125

00:59:46.967 --> 00:59:49.153 outside of their cancer treatment

NOTE Confidence: 0.88009125

00:59:49.153 --> 00:59:51.483 are not interfacing with the

NOTE Confidence: 0.88009125

00:59:51.483 --> 00:59:54.168 health system on a regular basis,

NOTE Confidence: 0.88009125

00:59:54.170 --> 00:59:57.098 and so we have to be especially sensitive

NOTE Confidence: 0.88009125

00:59:57.098 --> 01:00:00.209 to issues that accompany cancer treatment.

NOTE Confidence: 0.88009125

01:00:00.210 --> 01:00:02.370 These can include amenorrhea and

NOTE Confidence: 0.88009125

01:00:02.370 --> 01:00:03.704 early menopause, osteoporosis,

NOTE Confidence: 0.88009125

01:00:03.704 --> 01:00:04.632 secondary malignancies,

NOTE Confidence: 0.88009125

01:00:04.632 --> 01:00:06.952 fertility is of upmost concern

NOTE Confidence: 0.88009125

01:00:06.952 --> 01:00:08.848 for many of these women.

NOTE Confidence: 0.88009125

01:00:08.850 --> 01:00:11.278 And then Lastly psychosocial

NOTE Confidence: 0.88009125

01:00:11.278 --> 01:00:14.313 and quality of life issues.

NOTE Confidence: 0.88009125

01:00:14.320 --> 01:00:16.570 There are obviously a side effects

NOTE Confidence: 0.88009125

01:00:16.570 --> 01:00:18.830 of all breast cancer treatment,

NOTE Confidence: 0.88009125

01:00:18.830 --> 01:00:20.880 including those related to surgery,

NOTE Confidence: 0.88009125

01:00:20.880 --> 01:00:21.942 chemotherapy, radiation,

NOTE Confidence: 0.88009125

01:00:21.942 --> 01:00:25.659 and a current therapy and targeted therapy.

NOTE Confidence: 0.88009125

01:00:25.660 --> 01:00:26.893 Chemotherapy induced amenorrhea

NOTE Confidence: 0.88009125

01:00:26.893 --> 01:00:28.126 is age related.

NOTE Confidence: 0.88009125

01:00:28.130 --> 01:00:30.190 I apologize for my slides

NOTE Confidence: 0.88009125

01:00:30.190 --> 01:00:31.426 and therapy dependent.

NOTE Confidence: 0.88009125

01:00:31.430 --> 01:00:34.307 It is less common at younger ages,

NOTE Confidence: 0.88009125

01:00:34.310 --> 01:00:36.370 so are very young patients.

NOTE Confidence: 0.88009125

01:00:36.370 --> 01:00:39.722 In their 20s are more likely to regain

NOTE Confidence: 0.88009125

01:00:39.722 --> 01:00:41.435 menstrual cycles after treatment

NOTE Confidence: 0.88009125

01:00:41.435 --> 01:00:44.603 than women in their late 30s or 40s.

NOTE Confidence: 0.88009125

01:00:44.610 --> 01:00:46.465 We know that shorter duration

NOTE Confidence: 0.88009125

01:00:46.465 --> 01:00:48.844 of treatment is less likely to

NOTE Confidence: 0.88009125

01:00:48.844 --> 01:00:50.640 be associated with chemotherapy

NOTE Confidence: 0.88009125

01:00:50.640 --> 01:00:52.436 induced amenorrhea as well,

NOTE Confidence: 0.88009125

01:00:52.440 --> 01:00:54.720 and that there may be

NOTE Confidence: 0.88009125

01:00:54.720 --> 01:00:56.088 some protective benefit.

NOTE Confidence: 0.88009125

01:00:56.090 --> 01:00:57.918 Two cessation of menses.

NOTE Confidence: 0.88009125

01:00:57.918 --> 01:01:01.374 And this is a really nice table

NOTE Confidence: 0.88009125

01:01:01.374 --> 01:01:05.100 that goes through the risk of

NOTE Confidence: 0.88009125

01:01:05.100 --> 01:01:06.963 chemotherapy induced amenorrhea.

NOTE Confidence: 0.88009125

01:01:06.970 --> 01:01:08.950 Based on the treatment that

NOTE Confidence: 0.88009125

01:01:08.950 --> 01:01:10.930 women receive with little data

NOTE Confidence: 0.88009125

01:01:11.007 --> 01:01:13.785 at this point known around newer

NOTE Confidence: 0.88009125

01:01:13.785 --> 01:01:15.174 monoclonal antibody therapy.

NOTE Confidence: 0.85646087

01:01:17.510 --> 01:01:19.952 Ann Partridge's group at Dana Farber

NOTE Confidence: 0.85646087

01:01:19.952 --> 01:01:22.615 did some survey work around these

NOTE Confidence: 0.85646087

01:01:22.615 --> 01:01:25.010 younger patients who were diagnosed

NOTE Confidence: 0.85646087

01:01:25.010 --> 01:01:27.519 with breast cancer and fertility.

NOTE Confidence: 0.85646087

01:01:27.520 --> 01:01:29.750 Infertility concerns was a concern

NOTE Confidence: 0.85646087

01:01:29.750 --> 01:01:32.530 for over half of these women.

NOTE Confidence: 0.85646087

01:01:32.530 --> 01:01:35.104 About a third reported that fertility

NOTE Confidence: 0.85646087

01:01:35.104 --> 01:01:37.530 impact their cancer treatment decisions,

NOTE Confidence: 0.85646087

01:01:37.530 --> 01:01:39.745 and I think that's critically

NOTE Confidence: 0.85646087

01:01:39.745 --> 01:01:42.906 important for our training teams to be

NOTE Confidence: 0.85646087

01:01:42.906 --> 01:01:45.522 highly aware of women worried about

NOTE Confidence: 0.85646087

01:01:45.522 --> 01:01:47.610 menopausal symptoms after treatment.

NOTE Confidence: 0.85646087

01:01:47.610 --> 01:01:50.879 And only about half believe that their

NOTE Confidence: 0.85646087

01:01:50.879 --> 01:01:53.100 concerns were adequately addressed.

NOTE Confidence: 0.85646087

01:01:53.100 --> 01:01:55.092 There are ASCO guidelines

NOTE Confidence: 0.85646087

01:01:55.092 --> 01:01:56.586 around fertility preservation,

NOTE Confidence: 0.85646087

01:01:56.590 --> 01:01:59.080 notably that it should not

NOTE Confidence: 0.85646087

01:01:59.080 --> 01:02:00.574 delay cancer treatment.

NOTE Confidence: 0.85646087

01:02:00.580 --> 01:02:03.821 That the risk of recurrence with fertility

NOTE Confidence: 0.85646087

01:02:03.821 --> 01:02:06.070 preservation should be considered,

NOTE Confidence: 0.85646087

01:02:06.070 --> 01:02:08.570 but is likely very low.

NOTE Confidence: 0.85646087

01:02:08.570 --> 01:02:11.234 We're learning an that early referral

NOTE Confidence: 0.85646087

01:02:11.234 --> 01:02:13.678 to specialist is critical and

NOTE Confidence: 0.85646087

01:02:13.678 --> 01:02:16.046 correlate's with successive pregnancy.

NOTE Confidence: 0.85646087

01:02:16.050 --> 01:02:17.050 Long term,

NOTE Confidence: 0.85646087

01:02:17.050 --> 01:02:20.050 there are several options for oncofertility,

NOTE Confidence: 0.85646087

01:02:20.050 --> 01:02:21.592 including oocyte cryopreservation,

NOTE Confidence: 0.85646087

01:02:21.592 --> 01:02:22.620 embryo cryopreservation.

NOTE Confidence: 0.85646087

01:02:22.620 --> 01:02:24.600 An ovarian tissue preservation.

NOTE Confidence: 0.85646087

01:02:24.600 --> 01:02:27.075 An ovarian suppression an again.

NOTE Confidence: 0.85646087

01:02:27.080 --> 01:02:29.276 Partnering with our reproductive

NOTE Confidence: 0.85646087

01:02:29.276 --> 01:02:31.472 endocrinologist will give our

NOTE Confidence: 0.85646087

01:02:31.472 --> 01:02:33.650 patients their best outcomes.

NOTE Confidence: 0.85646087

01:02:33.650 --> 01:02:36.946 The positive trial is a national study led

NOTE Confidence: 0.85646087

01:02:36.946 --> 01:02:40.146 by Doctor Partridge out of Dana Farber,

NOTE Confidence: 0.85646087

01:02:40.150 --> 01:02:43.076 and this really looks at whether women

NOTE Confidence: 0.85646087

01:02:43.076 --> 01:02:45.748 who have completed between 18 and

NOTE Confidence: 0.85646087

01:02:45.748 --> 01:02:48.430 30 months of endocrine therapy can

NOTE Confidence: 0.85646087

01:02:48.430 --> 01:02:50.211 temporarily stop endocrine therapy

NOTE Confidence: 0.85646087

01:02:50.211 --> 01:02:53.137 for pregnancy for up to two years.

NOTE Confidence: 0.85646087

01:02:53.140 --> 01:02:55.884 This is all in the context of our

NOTE Confidence: 0.85646087

01:02:55.884 --> 01:02:57.678 best available evidence suggesting

NOTE Confidence: 0.85646087

01:02:57.678 --> 01:03:00.253 that pregnancy after breast cancer

NOTE Confidence: 0.85646087

01:03:00.253 --> 01:03:03.160 does not increase a woman's risk

NOTE Confidence: 0.85646087

01:03:03.160 --> 01:03:04.876 of developing a recurrence.

NOTE Confidence: 0.85646087

01:03:04.880 --> 01:03:08.090 Even among women with hormone

NOTE Confidence: 0.85646087

01:03:08.090 --> 01:03:10.016 receptor positive disease.

NOTE Confidence: 0.85646087

01:03:10.020 --> 01:03:12.112 Psychosocial stress does impact our

NOTE Confidence: 0.85646087

01:03:12.112 --> 01:03:13.736 younger patients more significantly

NOTE Confidence: 0.85646087

01:03:13.736 --> 01:03:16.400 than many of our older patients.

NOTE Confidence: 0.85646087

01:03:16.400 --> 01:03:18.476 We know that younger age predicts

NOTE Confidence: 0.85646087

01:03:18.476 --> 01:03:20.807 higher distress at one year that

NOTE Confidence: 0.85646087

01:03:20.807 --> 01:03:23.002 treatment related menopause more likely

NOTE Confidence: 0.85646087

01:03:23.002 --> 01:03:25.750 correlates with worse psychosocial distress.

NOTE Confidence: 0.85646087

01:03:25.750 --> 01:03:27.022 Our younger patients,

NOTE Confidence: 0.85646087

01:03:27.022 --> 01:03:27.870 about 11%,

NOTE Confidence: 0.85646087

01:03:27.870 --> 01:03:30.348 are denied health or life insurance

NOTE Confidence: 0.85646087

01:03:30.348 --> 01:03:32.460 after their breast cancer diagnosis

NOTE Confidence: 0.85646087

01:03:32.460 --> 01:03:34.812 and they have a higher risk

NOTE Confidence: 0.85646087

01:03:34.812 --> 01:03:36.672 of treatment related financial

NOTE Confidence: 0.85646087

01:03:36.672 --> 01:03:39.108 hardship and employment disruption.

NOTE Confidence: 0.85646087

01:03:39.110 --> 01:03:42.512 Up to 20% report some work related

NOTE Confidence: 0.85646087

01:03:42.512 --> 01:03:45.487 problems either needing to take time off,

NOTE Confidence: 0.85646087

01:03:45.490 --> 01:03:45.946 work,

NOTE Confidence: 0.85646087

01:03:45.946 --> 01:03:48.226 difficulties with promotion or advancement,

NOTE Confidence: 0.85646087

01:03:48.230 --> 01:03:50.440 or unemployment and ****** dysfunction

NOTE Confidence: 0.85646087

01:03:50.440 --> 01:03:53.250 tends to start shortly after surgery.

NOTE Confidence: 0.85646087

01:03:53.250 --> 01:03:55.530 An exist for many women,

NOTE Confidence: 0.85646087

01:03:55.530 --> 01:03:58.660 at least to one year.

NOTE Confidence: 0.85646087

01:03:58.660 --> 01:04:00.328 Looking at financial hardship,

NOTE Confidence: 0.85646087

01:04:00.328 --> 01:04:04.180 which is a topic near and dear to my heart,

NOTE Confidence: 0.85646087

01:04:04.180 --> 01:04:06.917 we do know that our younger cancer

NOTE Confidence: 0.85646087

01:04:06.917 --> 01:04:10.086 survivors are at the highest risk of this.

NOTE Confidence: 0.85646087

01:04:10.090 --> 01:04:12.060 With 1/3 reporting financial hardship,

NOTE Confidence: 0.85646087

01:04:12.060 --> 01:04:13.632 40% reporting difficulty affording

NOTE Confidence: 0.85646087

01:04:13.632 --> 01:04:15.204 their deductibles with young,

NOTE Confidence: 0.85646087

01:04:15.210 --> 01:04:17.232 non Medicare covered patients at greatest

NOTE Confidence: 0.85646087

01:04:17.232 --> 01:04:19.508 risk and again are younger patients

NOTE Confidence: 0.85646087

01:04:19.508 --> 01:04:21.673 more likely to receive comprehensive

NOTE Confidence: 0.85646087

01:04:21.673 --> 01:04:23.480 treatment or multimodal therapy?

NOTE Confidence: 0.85646087

01:04:23.480 --> 01:04:24.070 Also,

NOTE Confidence: 0.85646087

01:04:24.070 --> 01:04:26.430 an independent risk factor.

NOTE Confidence: 0.85646087

01:04:26.430 --> 01:04:29.638 There are lots of resources for our young

NOTE Confidence: 0.85646087

01:04:29.638 --> 01:04:32.745 patients and these are some of but not all,

NOTE Confidence: 0.85646087

01:04:32.750 --> 01:04:36.098 and so as we learn more about these women,

NOTE Confidence: 0.85646087

01:04:36.100 --> 01:04:38.254 we will continue to support them

NOTE Confidence: 0.85646087

01:04:38.254 --> 01:04:40.190 both during treatment and beyond.

NOTE Confidence: 0.85646087

01:04:40.190 --> 01:04:42.619 Thank you so much for having me

NOTE Confidence: 0.85646087

01:04:42.619 --> 01:04:45.399 today be happy to take any questions.

NOTE Confidence: 0.846430399999999

01:04:46.870 --> 01:04:49.551 Thank you Doctor Green up that was

NOTE Confidence: 0.846430399999999

01:04:49.551 --> 01:04:51.519 absolutely fantastic and thank you

NOTE Confidence: 0.846430399999999

01:04:51.519 --> 01:04:54.151 for all the speakers for really three

NOTE Confidence: 0.846430399999999

01:04:54.151 --> 01:04:55.825 phenomenal presentations which really

NOTE Confidence: 0.846430399999999

01:04:55.825 --> 01:04:58.688 generated a lot of questions both in

NOTE Confidence: 0.846430399999999

01:04:58.690 --> 01:05:01.357 the question and answer in the chat

NOTE Confidence: 0.846430399999999

01:05:01.357 --> 01:05:04.491 box and I'll try to ask the panelists

NOTE Confidence: 0.846430399999999

01:05:04.491 --> 01:05:06.960 for opinions on some of these.

NOTE Confidence: 0.846430399999999

01:05:06.960 --> 01:05:09.198 One is question on margins specific

NOTE Confidence: 0.846430399999999

01:05:09.198 --> 01:05:11.300 in the Uncle plastic setting.

NOTE Confidence: 0.846430399999999

01:05:11.300 --> 01:05:14.036 Maybe that's best start with Doctor

NOTE Confidence: 0.846430399999999

01:05:14.036 --> 01:05:17.047 Lynch and her thoughts on how do you.

NOTE Confidence: 0.846430399999999

01:05:17.050 --> 01:05:19.906 Either guarantee or do best to achieve

NOTE Confidence: 0.846430399999999

01:05:19.906 --> 01:05:23.107 clear margins and then if they're not clear,

NOTE Confidence: 0.846430399999999

01:05:23.110 --> 01:05:25.595 what are the options for the patient

NOTE Confidence: 0.846430399999999

01:05:25.595 --> 01:05:27.960 and in your experience, right?

NOTE Confidence: 0.8426841

01:05:27.960 --> 01:05:30.993 So the the one of the benefits of Uncle

NOTE Confidence: 0.8426841

01:05:30.993 --> 01:05:33.592 plastic surgery when you kind of separate

NOTE Confidence: 0.8426841

01:05:33.592 --> 01:05:36.120 the skin from the breast parenchyma

NOTE Confidence: 0.8426841

01:05:36.120 --> 01:05:39.578 with a little wider exposure for partial

NOTE Confidence: 0.8426841

01:05:39.578 --> 01:05:43.910 mastectomy is with a wider exposures.

NOTE Confidence: 0.8426841

01:05:43.910 --> 01:05:45.932 There's a thinking that you might

NOTE Confidence: 0.8426841

01:05:45.932 --> 01:05:47.280 have fewer positive margins,

NOTE Confidence: 0.8426841

01:05:47.280 --> 01:05:49.976 at least the margin rate is not worse,

NOTE Confidence: 0.8426841

01:05:49.980 --> 01:05:54.408 and that's the data that we have so far.

NOTE Confidence: 0.8426841

01:05:54.410 --> 01:05:57.266 So you would like to have your positive

NOTE Confidence: 0.8426841

01:05:57.266 --> 01:05:59.394 margin rate for routine breast surgery

NOTE Confidence: 0.8426841

01:05:59.394 --> 01:06:02.830 to be as close to 10% as possible and so

NOTE Confidence: 0.8426841

01:06:02.830 --> 01:06:05.360 making sure you have diligent marking of

NOTE Confidence: 0.8426841

01:06:05.360 --> 01:06:07.712 your tumor bed after you've removed the

NOTE Confidence: 0.8426841

01:06:07.712 --> 01:06:10.158 area where the cancer is is important,

NOTE Confidence: 0.8426841

01:06:10.160 --> 01:06:12.050 not only for radiation but also

NOTE Confidence: 0.8426841

01:06:12.050 --> 01:06:14.164 for finding that again after you've

NOTE Confidence: 0.8426841

01:06:14.164 --> 01:06:15.756 done a tissue rearrangement.

NOTE Confidence: 0.8426841

01:06:15.760 --> 01:06:21.080 If you have to go back and clear your margin.

NOTE Confidence: 0.8426841

01:06:21.080 --> 01:06:23.418 When you're doing a uncle plastic procedure

NOTE Confidence: 0.8426841

01:06:23.418 --> 01:06:25.597 to reduce the size of the breast,

NOTE Confidence: 0.8426841

01:06:25.600 --> 01:06:27.721 you can always plan the reduction of

NOTE Confidence: 0.8426841

01:06:27.721 --> 01:06:29.799 that tissue around your lumpectomy bed,

NOTE Confidence: 0.8426841

01:06:29.800 --> 01:06:31.738 and so you'll remove your tissue.

NOTE Confidence: 0.8426841

01:06:31.740 --> 01:06:33.994 You'll do your shave margins and then,

NOTE Confidence: 0.8426841

01:06:34.000 --> 01:06:36.576 if any more tissue needs to come out,

NOTE Confidence: 0.8426841

01:06:36.580 --> 01:06:38.911 that should also be oriented for the

NOTE Confidence: 0.8426841

01:06:38.911 --> 01:06:40.866 pathologist to make sure that you're

NOTE Confidence: 0.8426841

01:06:40.866 --> 01:06:43.370 aware of all of the margins there again,

NOTE Confidence: 0.8426841

01:06:43.370 --> 01:06:45.624 routine use of shave margins will help

NOTE Confidence: 0.8426841

01:06:45.624 --> 01:06:47.889 reduce your risk of a positive margin.

NOTE Confidence: 0.8426841

01:06:47.890 --> 01:06:50.837 And if you've got to go back, you go back.

NOTE Confidence: 0.8426841

01:06:50.837 --> 01:06:53.185 And you try to go back as soon as

NOTE Confidence: 0.8426841

01:06:53.185 --> 01:06:55.213 possible when you still have saroma

NOTE Confidence: 0.8426841

01:06:55.213 --> 01:06:57.164 there before the the rotational flap

NOTE Confidence: 0.8426841

01:06:57.164 --> 01:06:59.818 is healed in place to make sure that

NOTE Confidence: 0.8426841

01:06:59.818 --> 01:07:02.332 you're removing the tissue that you've

NOTE Confidence: 0.8426841

01:07:02.332 --> 01:07:04.789 carefully marked at your first operation.

NOTE Confidence: 0.8426841

01:07:04.790 --> 01:07:06.988 But trying to get your positive margin

NOTE Confidence: 0.8426841

01:07:06.988 --> 01:07:09.338 rate to as close to or less than

NOTE Confidence: 0.8426841

01:07:09.338 --> 01:07:10.510 10% is is important.

NOTE Confidence: 0.80142105

01:07:11.980 --> 01:07:14.955 Thank you doctor Lynn shot doctor Berger.

NOTE Confidence: 0.80142105

01:07:14.960 --> 01:07:17.510 There were some questions about ******

NOTE Confidence: 0.80142105

01:07:17.510 --> 01:07:19.755 margins and ****** sparing mastectomy

NOTE Confidence: 0.80142105

01:07:19.755 --> 01:07:22.856 and should we consider a certain distance

NOTE Confidence: 0.80142105

01:07:22.856 --> 01:07:25.984 on pathology or an indoor image Ng to

NOTE Confidence: 0.80142105

01:07:26.058 --> 01:07:28.998 consider it clear we should that be

NOTE Confidence: 0.80142105

01:07:28.998 --> 01:07:32.864 treated different than say margin in a

NOTE Confidence: 0.80142105

01:07:32.864 --> 01:07:35.140 patient undergoing lumpectomy. Yeah,

NOTE Confidence: 0.80382687

01:07:35.140 --> 01:07:37.048 I think that's a great question.

NOTE Confidence: 0.80382687

01:07:37.050 --> 01:07:39.610 I mean, I think the conservative answer is,

NOTE Confidence: 0.80382687

01:07:39.610 --> 01:07:41.864 you know if there's any pathology on

NOTE Confidence: 0.80382687

01:07:41.864 --> 01:07:43.489 imaging that's within 2 centimeters

NOTE Confidence: 0.80382687

01:07:43.489 --> 01:07:45.026 of the ****** areola complex.

NOTE Confidence: 0.80382687

01:07:45.026 --> 01:07:46.619 We do tend to, or.

NOTE Confidence: 0.80382687

01:07:46.619 --> 01:07:49.490 You know, I would argue we tend to avoid.

NOTE Confidence: 0.80382687

01:07:49.490 --> 01:07:50.450 However, you know,

NOTE Confidence: 0.80382687

01:07:50.450 --> 01:07:53.007 if you take a ****** margin an it's

NOTE Confidence: 0.80382687

01:07:53.007 --> 01:07:55.240 negative at the time of your operation,

NOTE Confidence: 0.80382687

01:07:55.240 --> 01:07:56.830 then you know I think.

NOTE Confidence: 0.80382687

01:07:56.830 --> 01:07:59.056 Regardless of how close that cancer is,

NOTE Confidence: 0.80382687

01:07:59.060 --> 01:08:00.388 the ****** areola complex

NOTE Confidence: 0.80382687

01:08:00.388 --> 01:08:01.716 we'd feel comfortable leaving

NOTE Confidence: 0.80382687

01:08:01.716 --> 01:08:03.209 the rest of that tissue,

NOTE Confidence: 0.80382687

01:08:03.210 --> 01:08:06.514 but I would defer to my more

NOTE Confidence: 0.80382687

01:08:06.514 --> 01:08:07.458 senior colleagues.

NOTE Confidence: 0.80382687

01:08:07.460 --> 01:08:09.340 I think you know

NOTE Confidence: 0.8354927

01:08:09.340 --> 01:08:12.462 there's a nice a nice editorial written

NOTE Confidence: 0.8354927

01:08:12.462 --> 01:08:15.917 by Doctor Susie Coopey and Barbara Smith,

NOTE Confidence: 0.8354927

01:08:15.920 --> 01:08:18.740 arguing that the ****** is just

NOTE Confidence: 0.8354927

01:08:18.740 --> 01:08:20.870 another margin. I've historically.

NOTE Confidence: 0.8354927

01:08:20.870 --> 01:08:23.250 Having done these operations

NOTE Confidence: 0.8354927

01:08:23.250 --> 01:08:25.630 for almost a decade,

NOTE Confidence: 0.8354927

01:08:25.630 --> 01:08:29.130 that one type of patient I've become

NOTE Confidence: 0.8354927

01:08:29.130 --> 01:08:31.294 increasingly cautious about offering

NOTE Confidence: 0.8354927

01:08:31.294 --> 01:08:34.488 ****** sparing mastectomy to is

NOTE Confidence: 0.8354927

01:08:34.488 --> 01:08:38.400 women with large areas of DCIS.

NOTE Confidence: 0.8354927

01:08:38.400 --> 01:08:40.625 Yeah, anecdotally had one patient

NOTE Confidence: 0.8354927

01:08:40.625 --> 01:08:42.850 with a negative margin who

NOTE Confidence: 0.8354927

01:08:42.929 --> 01:08:45.227 recurred in a short time frame,

NOTE Confidence: 0.8354927

01:08:45.230 --> 01:08:48.135 and thankfully she had a insight to

NOTE Confidence: 0.8354927

01:08:48.135 --> 01:08:50.784 recurrence in her ****** that was

NOTE Confidence: 0.8354927

01:08:50.784 --> 01:08:53.379 salvageable with a central ****** resection.

NOTE Confidence: 0.8354927

01:08:53.379 --> 01:08:56.133 But I think that disease with

NOTE Confidence: 0.8354927

01:08:56.133 --> 01:08:58.879 the skip pattern should probably.

NOTE Confidence: 0.8354927

01:08:58.880 --> 01:09:01.340 Be taken seriously in terms of

NOTE Confidence: 0.8354927

01:09:01.340 --> 01:09:03.026 offering ****** sparing mastectomy

NOTE Confidence: 0.8354927

01:09:03.026 --> 01:09:05.624 or to follow these women very

NOTE Confidence: 0.8354927

01:09:05.624 --> 01:09:08.069 closely in your own practice for

NOTE Confidence: 0.8354927

01:09:08.069 --> 01:09:11.310 any signs or symptoms of recurrence.

NOTE Confidence: 0.8354927

01:09:11.310 --> 01:09:12.670 Yes.

NOTE Confidence: 0.8354927

01:09:12.670 --> 01:09:13.040 And

NOTE Confidence: 0.82117325

01:09:13.040 --> 01:09:14.504 there's a question from

NOTE Confidence: 0.82117325

01:09:14.504 --> 01:09:15.968 Doctor Moran asking both.

NOTE Confidence: 0.82117325

01:09:15.970 --> 01:09:17.810 You know, Melanie Rachel Elizabeth.

NOTE Confidence: 0.82117325

01:09:17.810 --> 01:09:19.718 What are your thoughts on the

NOTE Confidence: 0.82117325

01:09:19.718 --> 01:09:21.431 recent buzz on going flat

NOTE Confidence: 0.82117325

01:09:21.431 --> 01:09:23.681 movement from the patients and the

NOTE Confidence: 0.82117325

01:09:23.681 --> 01:09:25.662 possibility of some perceived lack

NOTE Confidence: 0.82117325

01:09:25.662 --> 01:09:27.632 of support from surgeons around

NOTE Confidence: 0.82117325

01:09:27.632 --> 01:09:29.918 the country and around the world?

NOTE Confidence: 0.86746573

01:09:34.330 --> 01:09:36.628 I'll jump in on that one.

NOTE Confidence: 0.86746573

01:09:36.630 --> 01:09:38.934 I think you know that's all

NOTE Confidence: 0.86746573

01:09:38.934 --> 01:09:40.470 part of shared decision-making,

NOTE Confidence: 0.86746573

01:09:40.470 --> 01:09:43.095 and with you know kind of carefully

NOTE Confidence: 0.86746573

01:09:43.095 --> 01:09:45.118 chosen words and to clearly

NOTE Confidence: 0.86746573

01:09:45.118 --> 01:09:47.995 represent that the first goal of our

NOTE Confidence: 0.86746573

01:09:47.995 --> 01:09:50.067 operation is to cure the cancer,

NOTE Confidence: 0.86746573

01:09:50.070 --> 01:09:52.464 and our second operation is to

NOTE Confidence: 0.86746573

01:09:52.464 --> 01:09:54.859 make sure the patient has an

NOTE Confidence: 0.86746573

01:09:54.859 --> 01:09:57.365 outcome that she she can live with.

NOTE Confidence: 0.86746573

01:09:57.370 --> 01:09:59.668 Because when we do these operations,

NOTE Confidence: 0.86746573

01:09:59.670 --> 01:10:01.750 we change our patients bodies

NOTE Confidence: 0.86746573

01:10:01.750 --> 01:10:04.410 for the rest of their lives.

NOTE Confidence: 0.86746573

01:10:04.410 --> 01:10:06.937 And trying to be as respectful an

NOTE Confidence: 0.86746573

01:10:06.937 --> 01:10:08.935 as inclusive in that conversation

NOTE Confidence: 0.86746573

01:10:08.935 --> 01:10:11.040 as we can possibly be.

NOTE Confidence: 0.86746573

01:10:11.040 --> 01:10:12.210 And there's patients.

NOTE Confidence: 0.86746573

01:10:12.210 --> 01:10:13.380 There's their partner,

NOTE Confidence: 0.86746573

01:10:13.380 --> 01:10:14.304 their family.

NOTE Confidence: 0.86746573

01:10:14.304 --> 01:10:17.538 There's a lot of people who have

NOTE Confidence: 0.86746573

01:10:17.538 --> 01:10:20.859 opinions about what women should be doing.

NOTE Confidence: 0.86746573

01:10:20.860 --> 01:10:22.385 When they make choices about

NOTE Confidence: 0.86746573

01:10:22.385 --> 01:10:22.995 these operations,

NOTE Confidence: 0.86746573

01:10:23.000 --> 01:10:25.000 and I think we have as many patients

NOTE Confidence: 0.86746573

01:10:25.000 --> 01:10:26.891 who come into our offices where

NOTE Confidence: 0.86746573

01:10:26.891 --> 01:10:28.556 they have family members telling

NOTE Confidence: 0.86746573

01:10:28.556 --> 01:10:30.563 them that they should be having

NOTE Confidence: 0.86746573

01:10:30.563 --> 01:10:32.486 bilateral mastectomies is as we have.

NOTE Confidence: 0.86746573

01:10:32.486 --> 01:10:34.628 You know, other concerns that come forward.

NOTE Confidence: 0.86746573

01:10:34.630 --> 01:10:37.010 So it's important that.

NOTE Confidence: 0.86746573

01:10:37.010 --> 01:10:38.415 We're all as respectful and

NOTE Confidence: 0.86746573

01:10:38.415 --> 01:10:39.820 inclusive as we can be,

NOTE Confidence: 0.86746573

01:10:39.820 --> 01:10:41.722 and that we're ready for these

NOTE Confidence: 0.86746573

01:10:41.722 --> 01:10:43.524 conversations that we're ready to talk

NOTE Confidence: 0.86746573

01:10:43.524 --> 01:10:45.436 about how our bodies change as we age.

NOTE Confidence: 0.86746573

01:10:45.440 --> 01:10:47.312 How an implant might feel when

NOTE Confidence: 0.86746573

01:10:47.312 --> 01:10:50.167 you're 40 and how it's going to feel

NOTE Confidence: 0.86746573

01:10:50.167 --> 01:10:52.082 really differently when you're 70?

NOTE Confidence: 0.86746573

01:10:52.090 --> 01:10:55.645 So that's all got to be addressed up front,

NOTE Confidence: 0.86746573

01:10:55.650 --> 01:10:58.989 so I have not had that experience

NOTE Confidence: 0.86746573

01:10:58.989 --> 01:11:02.119 where I had a patient felt.

NOTE Confidence: 0.86746573

01:11:02.120 --> 01:11:04.064 Like they I was talking to them too

NOTE Confidence: 0.86746573

01:11:04.064 --> 01:11:05.332 much about reconstruction without

NOTE Confidence: 0.86746573

01:11:05.332 --> 01:11:07.880 respecting that they wanted to be flat,

NOTE Confidence: 0.86746573

01:11:07.880 --> 01:11:10.598 but I have read a lot of that literature.

NOTE Confidence: 0.86746573

01:11:10.600 --> 01:11:13.024 I did read the book flat as well.

NOTE Confidence: 0.8903975

01:11:16.050 --> 01:11:18.410 Yeah, I agree. I think it's

NOTE Confidence: 0.8903975

01:11:18.410 --> 01:11:19.982 a really personal decision.

NOTE Confidence: 0.8903975

01:11:19.982 --> 01:11:22.794 I also remind women that it it

NOTE Confidence: 0.8903975

01:11:22.794 --> 01:11:24.699 can be an ongoing discussion,

NOTE Confidence: 0.8903975

01:11:24.700 --> 01:11:27.276 so I have had women who could not

NOTE Confidence: 0.8903975

01:11:27.276 --> 01:11:30.043 manage the thought of embarking on

NOTE Confidence: 0.8903975

01:11:30.043 --> 01:11:32.603 reconstruction around diagnosis and they

NOTE Confidence: 0.8903975

01:11:32.603 --> 01:11:35.498 ended up a few years later wanting to

NOTE Confidence: 0.8903975

01:11:35.498 --> 01:11:37.304 meet with the reconstructive surgeon.

NOTE Confidence: 0.8903975

01:11:37.304 --> 01:11:39.746 So for many women there are

NOTE Confidence: 0.8903975

01:11:39.746 --> 01:11:41.199 options down the road.

NOTE Confidence: 0.8903975

01:11:41.200 --> 01:11:43.867 They might be limited compared to the

NOTE Confidence: 0.8903975

01:11:43.867 --> 01:11:46.301 options they have a diagnosis, but.

NOTE Confidence: 0.8903975

01:11:46.301 --> 01:11:48.206 The door should never feel

NOTE Confidence: 0.8903975

01:11:48.206 --> 01:11:49.730 entirely closed for them.

NOTE Confidence: 0.78874946

01:11:51.390 --> 01:11:53.959 I have a question from my colleague

NOTE Confidence: 0.78874946

01:11:53.959 --> 01:11:56.146 Doctor Fatty Ottawan from Turkey for

NOTE Confidence: 0.78874946

01:11:56.146 --> 01:11:58.526 Doctor Green up wanting to know what

NOTE Confidence: 0.78874946

01:11:58.600 --> 01:12:00.958 your thoughts are looming in Turkey.

NOTE Confidence: 0.78874946

01:12:00.960 --> 01:12:03.417 The average age of breast cancer is

NOTE Confidence: 0.78874946

01:12:03.417 --> 01:12:05.739 much younger than the United States.

NOTE Confidence: 0.78874946

01:12:05.740 --> 01:12:07.575 What are your thoughts on

NOTE Confidence: 0.78874946

01:12:07.575 --> 01:12:09.043 luminal a breast cancer?

NOTE Confidence: 0.78874946

01:12:09.050 --> 01:12:10.582 Zan, whether neoadjuvant chemotherapy

NOTE Confidence: 0.78874946

01:12:10.582 --> 01:12:13.274 potentially could be an option or or

NOTE Confidence: 0.78874946

01:12:13.274 --> 01:12:14.939 other thoughts on this population.

NOTE Confidence: 0.8671083

01:12:16.240 --> 01:12:19.420 Yeah, so we you know we talk

NOTE Confidence: 0.8671083

01:12:19.420 --> 01:12:22.920 about this in the context of multi

NOTE Confidence: 0.8671083

01:12:22.920 --> 01:12:26.420 disciplinary discussion and I think.

NOTE Confidence: 0.8671083

01:12:26.420 --> 01:12:28.630 In the US, at least,

NOTE Confidence: 0.8671083

01:12:28.630 --> 01:12:30.835 we're heavy utilizers of genomic

NOTE Confidence: 0.8671083

01:12:30.835 --> 01:12:33.040 assays and the abdomen setting.

NOTE Confidence: 0.8671083

01:12:33.040 --> 01:12:35.100 Occasionally we discuss using them

NOTE Confidence: 0.8671083

01:12:35.100 --> 01:12:37.690 in the neoadjuvant setting to help

NOTE Confidence: 0.8671083

01:12:37.690 --> 01:12:39.550 inform decisions around whether

NOTE Confidence: 0.8671083

01:12:39.550 --> 01:12:41.410 chemotherapy should be used,

NOTE Confidence: 0.8671083

01:12:41.410 --> 01:12:43.174 and certainly thinking about

NOTE Confidence: 0.8671083

01:12:43.174 --> 01:12:45.820 the size of the breast cancer.

NOTE Confidence: 0.8671083

01:12:45.820 --> 01:12:49.310 The status of the axilla.

NOTE Confidence: 0.8671083

01:12:49.310 --> 01:12:52.490 And all of those the patients

NOTE Confidence: 0.8671083

01:12:52.490 --> 01:12:54.610 preference for breast conservation

NOTE Confidence: 0.8671083

01:12:54.694 --> 01:12:57.869 versus mastectomy all contribute to

NOTE Confidence: 0.8671083

01:12:57.869 --> 01:13:00.409 decisions for preoperative chemo.

NOTE Confidence: 0.87652194

01:13:02.860 --> 01:13:05.086 There is a question from our colleagues

NOTE Confidence: 0.87652194

01:13:05.086 --> 01:13:06.953 from China where the breast tissue

NOTE Confidence: 0.87652194

01:13:06.953 --> 01:13:09.343 density tends to be a lot higher on

NOTE Confidence: 0.87652194

01:13:09.343 --> 01:13:11.389 our thoughts on a screening ultrasound.

NOTE Confidence: 0.87652194

01:13:11.390 --> 01:13:13.025 And obviously here in Connecticut

NOTE Confidence: 0.87652194

01:13:13.025 --> 01:13:15.776 we can maybe give a little bit of

NOTE Confidence: 0.87652194

01:13:15.776 --> 01:13:17.531 a different perspective than maybe

NOTE Confidence: 0.87652194

01:13:17.531 --> 01:13:19.600 the rest of the United States.

NOTE Confidence: 0.87652194

01:13:19.600 --> 01:13:21.848 After lunch you want it or burger or.

NOTE Confidence: 0.8473732

01:13:23.840 --> 01:13:26.054 So I hope you're screening ultrasound

NOTE Confidence: 0.8473732

01:13:26.054 --> 01:13:28.316 and I'm becoming more and more

NOTE Confidence: 0.8473732

01:13:28.316 --> 01:13:30.488 familiar with it because it's used

NOTE Confidence: 0.8473732

01:13:30.488 --> 01:13:32.220 routinely here in Connecticut.

NOTE Confidence: 0.8473732

01:13:32.220 --> 01:13:34.125 I have recently moved from

NOTE Confidence: 0.8473732

01:13:34.125 --> 01:13:36.030 Ohio to Connecticut in Ohio.

NOTE Confidence: 0.8473732

01:13:36.030 --> 01:13:38.544 We didn't routinely do whole breast

NOTE Confidence: 0.8473732

01:13:38.544 --> 01:13:40.617 screening ultrasound and it seems

NOTE Confidence: 0.8473732

01:13:40.617 --> 01:13:42.885 to be a very very effective test.

NOTE Confidence: 0.8473732

01:13:42.890 --> 01:13:44.594 We know it hasn't.

NOTE Confidence: 0.8473732

01:13:44.594 --> 01:13:47.728 It picks up additional cancers at a rate

NOTE Confidence: 0.8473732

01:13:47.728 --> 01:13:50.032 of 8% more than mammography screening.

NOTE Confidence: 0.8473732

01:13:50.032 --> 01:13:52.297 MRI for dense breasts picks

NOTE Confidence: 0.8473732

01:13:52.297 --> 01:13:54.046 up at a rate of 14%.

NOTE Confidence: 0.8473732

01:13:54.050 --> 01:13:55.976 I think in Connecticut because of

NOTE Confidence: 0.8473732

01:13:55.976 --> 01:13:58.247 ultrasound is so routinely used and it's

NOTE Confidence: 0.8473732

01:13:58.247 --> 01:14:00.107 a user dependent technology that their

NOTE Confidence: 0.8473732

01:14:00.107 --> 01:14:01.901 rates are actually much higher than

NOTE Confidence: 0.8473732

01:14:01.901 --> 01:14:04.068 8% which is reported in the literature.

NOTE Confidence: 0.8473732

01:14:04.070 --> 01:14:06.107 So it can be a very effective

NOTE Confidence: 0.8473732

01:14:06.107 --> 01:14:07.710 adjunct to mammography for dense

NOTE Confidence: 0.8473732

01:14:07.710 --> 01:14:09.390 breasts and it's user dependent.

NOTE Confidence: 0.8473732

01:14:09.390 --> 01:14:10.950 So the more you do,

NOTE Confidence: 0.8473732

01:14:10.950 --> 01:14:12.062 the better you get,

NOTE Confidence: 0.8473732

01:14:12.062 --> 01:14:14.132 and I think that's why the rates

NOTE Confidence: 0.8473732

01:14:14.132 --> 01:14:15.822 here in Connecticut look look

NOTE Confidence: 0.8473732

01:14:15.822 --> 01:14:18.148 better than the rest of the country.

NOTE Confidence: 0.8008846

01:14:20.530 --> 01:14:23.533 There was a question from a doctor

NOTE Confidence: 0.8008846

01:14:23.533 --> 01:14:25.409 lustberg our incoming breast

NOTE Confidence: 0.8008846

01:14:25.409 --> 01:14:27.939 program director to touch base

NOTE Confidence: 0.8008846

01:14:27.939 --> 01:14:30.350 upon shared decision makings for.

NOTE Confidence: 0.8008846

01:14:30.350 --> 01:14:32.246 Doctor Lynch just because of your

NOTE Confidence: 0.8008846

01:14:32.246 --> 01:14:34.284 you know wide array of surgical

NOTE Confidence: 0.8008846

01:14:34.284 --> 01:14:36.426 options that you can provide patients

NOTE Confidence: 0.8008846

01:14:36.426 --> 01:14:38.638 that maybe some of us don't have

NOTE Confidence: 0.8008846

01:14:38.638 --> 01:14:40.393 the that background or you know

NOTE Confidence: 0.8008846

01:14:40.393 --> 01:14:42.008 those techniques that you discuss.

NOTE Confidence: 0.8008846

01:14:42.010 --> 01:14:43.960 What are your thoughts on that?

NOTE Confidence: 0.7936137

01:14:45.220 --> 01:14:48.966 It's yeah, it's. You know,

NOTE Confidence: 0.7936137

01:14:48.966 --> 01:14:51.264 we always worry about informed consent.

NOTE Confidence: 0.7936137

01:14:51.270 --> 01:14:53.580 Can we really explain to patients

NOTE Confidence: 0.7936137

01:14:53.580 --> 01:14:56.242 how this is going to look and

NOTE Confidence: 0.7936137

01:14:56.242 --> 01:14:58.324 feel to them after we're done

NOTE Confidence: 0.7936137

01:14:58.324 --> 01:15:00.868 with our operation and and we've,

NOTE Confidence: 0.7936137

01:15:00.870 --> 01:15:03.558 in my experience so far in using

NOTE Confidence: 0.7936137

01:15:03.558 --> 01:15:04.717 Oncoplastic operations, well,

NOTE Confidence: 0.7936137

01:15:04.717 --> 01:15:07.039 an doctor Krishna Clef recently published

NOTE Confidence: 0.7936137

01:15:07.039 --> 01:15:09.447 an editorial in Annals of Surgical

NOTE Confidence: 0.7936137

01:15:09.447 --> 01:15:11.805 Oncology about how we're using this

NOTE Confidence: 0.7936137

01:15:11.805 --> 01:15:13.928 technique too much for some patients,

NOTE Confidence: 0.7936137

01:15:13.930 --> 01:15:16.982 and we have to be really careful

NOTE Confidence: 0.7936137

01:15:16.982 --> 01:15:19.459 about how we apply this.

NOTE Confidence: 0.7936137

01:15:19.460 --> 01:15:22.176 But we need to be able to.

NOTE Confidence: 0.7936137

01:15:22.180 --> 01:15:23.865 Describe to patients exactly how

NOTE Confidence: 0.7936137

01:15:23.865 --> 01:15:26.248 we do the operation and how it

NOTE Confidence: 0.7936137

01:15:26.248 --> 01:15:27.838 might feel to them afterwards.

NOTE Confidence: 0.7936137

01:15:27.840 --> 01:15:29.905 One of the issues that we're now

NOTE Confidence: 0.7936137

01:15:29.905 --> 01:15:31.556 beginning to really understand is

NOTE Confidence: 0.7936137

01:15:31.556 --> 01:15:33.668 how distressing it is for patients

NOTE Confidence: 0.7936137

01:15:33.668 --> 01:15:35.169 to experience fat necrosis.

NOTE Confidence: 0.7936137

01:15:35.170 --> 01:15:37.162 The more we separate the skin

NOTE Confidence: 0.7936137

01:15:37.162 --> 01:15:38.158 from the breast,

NOTE Confidence: 0.7936137

01:15:38.160 --> 01:15:40.158 the and then radiate that tissue,

NOTE Confidence: 0.7936137

01:15:40.160 --> 01:15:41.550 the more patients are likely

NOTE Confidence: 0.7936137

01:15:41.550 --> 01:15:43.833 to feel a mass in their breast

NOTE Confidence: 0.7936137

01:15:43.833 --> 01:15:45.485 after they've had treatment,

NOTE Confidence: 0.7936137

01:15:45.490 --> 01:15:47.488 and that is actually fat necrosis

NOTE Confidence: 0.7936137

01:15:47.488 --> 01:15:48.820 and not recurrent cancer.

NOTE Confidence: 0.7936137

01:15:48.820 --> 01:15:51.817 And to be able to prepare patients for that,

NOTE Confidence: 0.7936137

01:15:51.820 --> 01:15:53.818 the older the patient is with,

NOTE Confidence: 0.7936137

01:15:53.820 --> 01:15:55.740 the more fat replaced breast.

NOTE Confidence: 0.7936137

01:15:55.740 --> 01:15:57.357 We know that they are more likely

NOTE Confidence: 0.7936137

01:15:57.357 --> 01:15:58.741 to develop fat necrosis and we

NOTE Confidence: 0.7936137

01:15:58.741 --> 01:16:00.225 need to be able to have that

NOTE Confidence: 0.7936137

01:16:00.277 --> 01:16:01.579 conversation with patients,

NOTE Confidence: 0.7936137

01:16:01.580 --> 01:16:03.404 and so if and when that mask comes

NOTE Confidence: 0.7936137

01:16:03.404 --> 01:16:05.280 up that they're not as distressed by

NOTE Confidence: 0.7936137

01:16:05.280 --> 01:16:07.446 it and that they they know that they

NOTE Confidence: 0.7936137

01:16:07.446 --> 01:16:09.526 can come in and we can evaluate it

NOTE Confidence: 0.7936137

01:16:09.526 --> 01:16:11.808 and help help help sort that out.

NOTE Confidence: 0.7936137

01:16:11.810 --> 01:16:13.622 But the shared decision making is

NOTE Confidence: 0.7936137

01:16:13.622 --> 01:16:16.073 a process and it can include the

NOTE Confidence: 0.7936137

01:16:16.073 --> 01:16:18.038 whole of the multidisciplinary team

NOTE Confidence: 0.7936137

01:16:18.038 --> 01:16:20.638 including the radiation oncologist as well.

NOTE Confidence: 0.7936137

01:16:20.640 --> 01:16:22.943 Because of the they can talk to

NOTE Confidence: 0.7936137

01:16:22.943 --> 01:16:25.257 patients so they understand fully what

NOTE Confidence: 0.7936137

01:16:25.257 --> 01:16:27.765 radiation might feel to the breast

NOTE Confidence: 0.7936137

01:16:27.765 --> 01:16:30.729 when they're they're done with treatment.

NOTE Confidence: 0.7936137

01:16:30.730 --> 01:16:31.678 But that's it.

NOTE Confidence: 0.7936137

01:16:31.678 --> 01:16:32.940 That's a, that's a.

NOTE Confidence: 0.7936137

01:16:32.940 --> 01:16:34.830 That's a whole conference in itself.

NOTE Confidence: 0.7936137

01:16:34.830 --> 01:16:35.143 Yeah,

NOTE Confidence: 0.7936137

01:16:35.143 --> 01:16:35.456 well,

NOTE Confidence: 0.7936137

01:16:35.456 --> 01:16:35.769 we'll

NOTE Confidence: 0.8196324

01:16:35.770 --> 01:16:39.196 have the next session on that.

NOTE Confidence: 0.8196324

01:16:39.200 --> 01:16:40.910 Doctor Berger or what are your

NOTE Confidence: 0.8196324

01:16:40.910 --> 01:16:42.451 thoughts on intra op margin

NOTE Confidence: 0.8196324

01:16:42.451 --> 01:16:44.467 assessments are or is that something

NOTE Confidence: 0.8196324

01:16:44.467 --> 01:16:46.149 that's ready for prime time?

NOTE Confidence: 0.8196324

01:16:46.150 --> 01:16:47.860 Or you know something that's still

NOTE Confidence: 0.8196324

01:16:47.860 --> 01:16:49.939 kind of in the research realm?

NOTE Confidence: 0.8196324

01:16:49.940 --> 01:16:51.204 And obviously Doctor Green

NOTE Confidence: 0.8196324

01:16:51.204 --> 01:16:53.100 up at lunch as well too?

NOTE Confidence: 0.8195092

01:16:54.450 --> 01:16:56.370 Yeah, I know I'm up at

NOTE Confidence: 0.8195092

01:16:56.370 --> 01:16:57.330 your previous institution.

NOTE Confidence: 0.8195092

01:16:57.330 --> 01:16:58.930 There's been some looking at,

NOTE Confidence: 0.8195092

01:16:58.930 --> 01:17:01.396 you know, looking at Inter operative

NOTE Confidence: 0.8195092

01:17:01.396 --> 01:17:03.727 margin assessment and whether we can

NOTE Confidence: 0.8195092

01:17:03.727 --> 01:17:05.593 lower the chance of positive margins

NOTE Confidence: 0.8195092

01:17:05.593 --> 01:17:07.839 on the final pathology specimen.

NOTE Confidence: 0.8195092

01:17:07.840 --> 01:17:09.380 There's been different feasibility trials.

NOTE Confidence: 0.8195092

01:17:09.380 --> 01:17:10.301 Looking at that,

NOTE Confidence: 0.8195092

01:17:10.301 --> 01:17:12.143 there's been different even outcome trials.

NOTE Confidence: 0.8195092

01:17:12.150 --> 01:17:13.074 Looking at that,

NOTE Confidence: 0.8195092

01:17:13.074 --> 01:17:15.230 I'm not sure we're quite there yet,

NOTE Confidence: 0.8195092

01:17:15.230 --> 01:17:16.795 just based upon the limited

NOTE Confidence: 0.8195092

01:17:16.795 --> 01:17:18.930 amount of data that we do have.

NOTE Confidence: 0.8195092

01:17:18.930 --> 01:17:19.857 But you know,

NOTE Confidence: 0.8195092

01:17:19.857 --> 01:17:21.711 definitely something in the future that

NOTE Confidence: 0.8195092

01:17:21.711 --> 01:17:23.550 might be a possibility to prevent,

NOTE Confidence: 0.8195092

01:17:23.550 --> 01:17:25.200 you know, return to the OR

NOTE Confidence: 0.8195092

01:17:25.200 --> 01:17:26.940 on some of these patients.

NOTE Confidence: 0.8859664

01:17:29.100 --> 01:17:31.044 Yeah, I think nationally

NOTE Confidence: 0.8859664

01:17:31.044 --> 01:17:33.000 we've continued to have

NOTE Confidence: 0.8859664

01:17:33.000 --> 01:17:36.409 to balance the extra operating room time.

NOTE Confidence: 0.8859664

01:17:36.410 --> 01:17:39.608 The logistics around having a workforce

NOTE Confidence: 0.8859664

01:17:39.608 --> 01:17:42.293 of pathologists available to evaluate

NOTE Confidence: 0.8859664

01:17:42.293 --> 01:17:45.583 margin in real time and then the

NOTE Confidence: 0.8859664

01:17:45.583 --> 01:17:48.348 accuracy obviously of the data that's

NOTE Confidence: 0.8859664

01:17:48.348 --> 01:17:50.523 received in the operating room,

NOTE Confidence: 0.8859664

01:17:50.530 --> 01:17:52.960 certainly from the technology side.

NOTE Confidence: 0.8859664

01:17:52.960 --> 01:17:57.419 There's a lot of independent companies and.

NOTE Confidence: 0.8859664

01:17:57.420 --> 01:18:03.188 NIH funded study is in partnership with.

NOTE Confidence: 0.8859664

01:18:03.190 --> 01:18:06.046 Industry looking at real time Inter

NOTE Confidence: 0.8859664

01:18:06.046 --> 01:18:08.412 operative margin assessment and certainly

NOTE Confidence: 0.8859664

01:18:08.412 --> 01:18:11.086 breast is a great place to start,

NOTE Confidence: 0.8859664

01:18:11.090 --> 01:18:13.897 but I would argue it will be

NOTE Confidence: 0.8859664

01:18:13.897 --> 01:18:15.920 really wonderful for patients.

NOTE Confidence: 0.8859664

01:18:15.920 --> 01:18:18.130 For example that have pancreas

NOTE Confidence: 0.8859664

01:18:18.130 --> 01:18:20.801 cancers or liver tumors where the

NOTE Confidence: 0.8859664

01:18:20.801 --> 01:18:23.099 return trip to the operating room

NOTE Confidence: 0.8859664

01:18:23.099 --> 01:18:25.580 carries a much higher morbidity.

NOTE Confidence: 0.8534587

01:18:27.970 --> 01:18:30.040 There is a question from Professor

NOTE Confidence: 0.8534587

01:18:30.040 --> 01:18:32.770 Dong in China about a 65 year old

NOTE Confidence: 0.8534587

01:18:32.770 --> 01:18:34.370 with early stage breast cancer.

NOTE Confidence: 0.8534587

01:18:34.370 --> 01:18:36.398 For example, a very tiny tumor,

NOTE Confidence: 0.8534587

01:18:36.400 --> 01:18:38.422 less than a 0.5 millimeters and

NOTE Confidence: 0.8534587

01:18:38.422 --> 01:18:39.770 they undergo breast conservation.

NOTE Confidence: 0.8534587

01:18:39.770 --> 01:18:42.050 You know we have data on what you

NOTE Confidence: 0.8534587

01:18:42.050 --> 01:18:44.747 know women over 70 and maybe the ER

NOTE Confidence: 0.8534587

01:18:44.747 --> 01:18:46.840 positive setting on avoiding radiation.

NOTE Confidence: 0.8534587

01:18:46.840 --> 01:18:48.862 How about on a slightly younger

NOTE Confidence: 0.8534587

01:18:48.862 --> 01:18:50.508 patient you know, do we?

NOTE Confidence: 0.8534587

01:18:50.508 --> 01:18:53.020 Can we drop that cut off and you

NOTE Confidence: 0.8534587

01:18:53.103 --> 01:18:55.595 know where do we go from there?

NOTE Confidence: 0.8390911

01:18:56.760 --> 01:18:58.896 Yeah, so we have good data from the

NOTE Confidence: 0.8390911

01:18:58.896 --> 01:19:00.734 prime two study looking at patients

NOTE Confidence: 0.8390911

01:19:00.734 --> 01:19:03.108 over 65 and ER PR positive cancers

NOTE Confidence: 0.8390911

01:19:03.108 --> 01:19:05.388 and deescalation of radiation therapy.

NOTE Confidence: 0.8390911

01:19:05.390 --> 01:19:07.308 But what I find really important too

NOTE Confidence: 0.8390911

01:19:07.308 --> 01:19:09.567 is you know asking the question can

NOTE Confidence: 0.8390911

01:19:09.567 --> 01:19:11.625 we deescalate hormone therapy so you

NOTE Confidence: 0.8390911

01:19:11.687 --> 01:19:13.687 know this principle of monotherapy,

NOTE Confidence: 0.8390911

01:19:13.690 --> 01:19:15.706 whether it is radiation or homeless

NOTE Confidence: 0.8390911

01:19:15.706 --> 01:19:17.803 hormone therapy I think is really

NOTE Confidence: 0.8390911

01:19:17.803 --> 01:19:19.538 important and that question is

NOTE Confidence: 0.8390911

01:19:19.538 --> 01:19:21.533 actually being asked right now in

NOTE Confidence: 0.8390911

01:19:21.533 --> 01:19:23.315 an ongoing trial because you know,

NOTE Confidence: 0.8390911

01:19:23.320 --> 01:19:25.483 a lot of people consider radiation therapy

NOTE Confidence: 0.8390911

01:19:25.483 --> 01:19:28.097 is the thing we should deescalate because.

NOTE Confidence: 0.8390911

01:19:28.100 --> 01:19:29.955 Hormone therapy protects you for the five

NOTE Confidence: 0.8390911

01:19:29.955 --> 01:19:32.124 years in the contralateral breast, etc.

NOTE Confidence: 0.8390911

01:19:32.124 --> 01:19:34.476 But that does not come without its own

NOTE Confidence: 0.8390911

01:19:34.476 --> 01:19:36.810 side effects an it's owned, you know,

NOTE Confidence: 0.8390911

01:19:36.810 --> 01:19:38.670 kind of pit bulls and downfalls.

NOTE Confidence: 0.8390911

01:19:38.670 --> 01:19:40.794 And so I think if we look at the

NOTE Confidence: 0.8390911

01:19:40.794 --> 01:19:42.720 local regional recurrence rates,

NOTE Confidence: 0.8390911

01:19:42.720 --> 01:19:44.140 which recently I actually just

NOTE Confidence: 0.8390911

01:19:44.140 --> 01:19:45.560 did there relatively similar with

NOTE Confidence: 0.8390911

01:19:45.606 --> 01:19:46.758 the monotherapy principle.

NOTE Confidence: 0.8390911

01:19:46.760 --> 01:19:48.804 As far as DCIS goes, you know,

NOTE Confidence: 0.8390911

01:19:48.804 --> 01:19:50.498 I think there are a lot of

NOTE Confidence: 0.8390911

01:19:50.498 --> 01:19:52.049 good predictive nomograms,

NOTE Confidence: 0.8390911

01:19:52.050 --> 01:19:54.262 and we know that age obviously lessens

NOTE Confidence: 0.8390911

01:19:54.262 --> 01:19:56.183 your chance of recurrence just based

NOTE Confidence: 0.8390911

01:19:56.183 --> 01:19:58.730 upon the fact that a woman is older.

NOTE Confidence: 0.8390911

01:19:58.730 --> 01:20:00.202 And so yeah, again,

NOTE Confidence: 0.8390911

01:20:00.202 --> 01:20:02.410 going back to this whole principle

NOTE Confidence: 0.8390911

01:20:02.478 --> 01:20:04.250 of shared decision making,

NOTE Confidence: 0.8390911

01:20:04.250 --> 01:20:07.066 that if you have a an informed decision

NOTE Confidence: 0.8390911

01:20:07.066 --> 01:20:09.751 with your patient and try to predict

NOTE Confidence: 0.8390911

01:20:09.751 --> 01:20:12.520 or recognize their risk of recurrence,

NOTE Confidence: 0.8390911

01:20:12.520 --> 01:20:14.092 understanding that 50% of

NOTE Confidence: 0.8390911

01:20:14.092 --> 01:20:15.664 DCIS recurrences are invasive,

NOTE Confidence: 0.8390911

01:20:15.670 --> 01:20:17.635 then omitting both agile and

NOTE Confidence: 0.8390911

01:20:17.635 --> 01:20:18.814 treatments for DCIS.

NOTE Confidence: 0.8390911

01:20:18.820 --> 01:20:22.530 I don't think it's unreasonable based upon

NOTE Confidence: 0.8390911

01:20:22.530 --> 01:20:27.057 the risk that your patient is willing to us.

NOTE Confidence: 0.8390911

01:20:27.060 --> 01:20:28.306 You know,

NOTE Confidence: 0.8390911

01:20:28.306 --> 01:20:28.929 take.

NOTE Confidence: 0.851897

01:20:33.140 --> 01:20:35.242 Maybe the last question from

NOTE Confidence: 0.851897

01:20:35.242 --> 01:20:37.750 Scott Posa for whoever wants to

NOTE Confidence: 0.851897

01:20:37.828 --> 01:20:41.078 try to tackle this one in terms of some of

NOTE Confidence: 0.851897

01:20:41.158 --> 01:20:44.362 the more complex reconstructions such as

NOTE Confidence: 0.851897

01:20:44.362 --> 01:20:47.362 pop reconstructions in terms of ambulation

NOTE Confidence: 0.851897

01:20:47.362 --> 01:20:49.517 and limitations associated with that.

NOTE Confidence: 0.7767332

01:20:58.020 --> 01:21:01.500 So with early post-op ambulation

NOTE Confidence: 0.7767332

01:21:01.500 --> 01:21:04.700 after a tissue transfer. Maybe

NOTE Confidence: 0.7701525

01:21:04.700 --> 01:21:07.136 with a more complex free tissue

NOTE Confidence: 0.7701525

01:21:07.136 --> 01:21:08.354 transfer type reconstructions?

NOTE Confidence: 0.86115104

01:21:10.310 --> 01:21:12.956 'cause you have to protect both the

NOTE Confidence: 0.86115104

01:21:12.956 --> 01:21:15.880 donor site then and the recipient site.

NOTE Confidence: 0.86115104

01:21:15.880 --> 01:21:17.870 And so with microvascular repairs,

NOTE Confidence: 0.86115104

01:21:17.870 --> 01:21:20.366 you know patients will typically be

NOTE Confidence: 0.86115104

01:21:20.366 --> 01:21:23.440 limited in mobility for three to five days,

NOTE Confidence: 0.86115104

01:21:23.440 --> 01:21:26.653 and so you know 24 hours to 48 hours

NOTE Confidence: 0.86115104

01:21:26.653 --> 01:21:29.805 from bed to chair only for mobility.

NOTE Confidence: 0.86115104

01:21:29.810 --> 01:21:31.860 Usually a Foley catheter will

NOTE Confidence: 0.86115104

01:21:31.860 --> 01:21:35.123 be in place for that for a day

NOTE Confidence: 0.86115104

01:21:35.123 --> 01:21:37.367 or two days for those patients,

NOTE Confidence: 0.86115104

01:21:37.370 --> 01:21:39.406 or a bedside commode.

NOTE Confidence: 0.86115104

01:21:39.406 --> 01:21:43.272 Because of the need for the to

NOTE Confidence: 0.86115104

01:21:43.272 --> 01:21:46.096 protect the microvascular site.

NOTE Confidence: 0.86336815

01:21:48.120 --> 01:21:50.250 And so that can impact early

NOTE Confidence: 0.86336815

01:21:50.250 --> 01:21:51.672 mobility, and it's certainly

NOTE Confidence: 0.86336815

01:21:51.672 --> 01:21:53.088 shoulder mobility and things.

NOTE Confidence: 0.90225613

01:21:56.740 --> 01:21:58.270 And then afterwards again, it's,

NOTE Confidence: 0.90225613

01:21:58.270 --> 01:22:00.904 you know, gentle range of motion

NOTE Confidence: 0.90225613

01:22:00.904 --> 01:22:03.710 exercises after surgery to make sure to.

NOTE Confidence: 0.90225613

01:22:03.710 --> 01:22:05.478 Detect shoulder mobility with

NOTE Confidence: 0.90225613

01:22:05.478 --> 01:22:07.691 full range of motion, hopefully

NOTE Confidence: 0.90225613

01:22:07.691 --> 01:22:10.337 within two weeks of the operation.

NOTE Confidence: 0.82378626

01:22:11.560 --> 01:22:13.667 I said that was the last question.

NOTE Confidence: 0.82378626

01:22:13.670 --> 01:22:14.842 Actually there's one more,

NOTE Confidence: 0.82378626

01:22:14.842 --> 01:22:17.000 and it's all the way from Japan,

NOTE Confidence: 0.82378626

01:22:17.000 --> 01:22:18.505 so I can't let Doctor

NOTE Confidence: 0.82378626

01:22:18.505 --> 01:22:19.709 Sakai get go unanswered.

NOTE Confidence: 0.82378626

01:22:19.710 --> 01:22:21.369 What are our thoughts on putting a

NOTE Confidence: 0.82378626

01:22:21.369 --> 01:22:23.339 clip for biopsy proven lymph nodes

NOTE Confidence: 0.82378626

01:22:23.339 --> 01:22:24.548 before neoadjuvant chemotherapy?

NOTE Confidence: 0.7760786

01:22:28.460 --> 01:22:31.964 That is a long discussion, I think in.

NOTE Confidence: 0.7760786

01:22:31.964 --> 01:22:35.028 I'll try and answer. It's essentially but.

NOTE Confidence: 0.75943375

01:22:37.050 --> 01:22:39.062 Many other national trials

NOTE Confidence: 0.75943375

01:22:39.062 --> 01:22:41.577 that are looking at potentially

NOTE Confidence: 0.75943375

01:22:41.577 --> 01:22:43.732 downstaging an axillary disease

NOTE Confidence: 0.75943375

01:22:43.732 --> 01:22:45.832 after neoadjuvant chemotherapy have

NOTE Confidence: 0.75943375

01:22:45.832 --> 01:22:51.090 not required clip placement, and so.

NOTE Confidence: 0.75943375

01:22:51.090 --> 01:22:53.980 Pending those results, I think.

NOTE Confidence: 0.75943375

01:22:53.980 --> 01:22:58.650 Most US institutions are localising.

NOTE Confidence: 0.75943375

01:22:58.650 --> 01:23:00.385 Lymph nodes that are involved

NOTE Confidence: 0.75943375

01:23:00.385 --> 01:23:02.120 with tumor with a clip.

NOTE Confidence: 0.75943375

01:23:02.120 --> 01:23:05.224 With the intention of marking the spot and

NOTE Confidence: 0.75943375

01:23:05.224 --> 01:23:08.060 for future resection of that involved.

NOTE Confidence: 0.75943375

01:23:08.060 --> 01:23:10.765 And node certainly that Abigail

NOTE Confidence: 0.75943375

01:23:10.765 --> 01:23:14.116 Coddles data from MD Anderson looking

NOTE Confidence: 0.75943375

01:23:14.116 --> 01:23:16.866 at targeted axillary dissection and

NOTE Confidence: 0.75943375

01:23:16.866 --> 01:23:20.545 the 1071 data from Judy Bui both

NOTE Confidence: 0.75943375

01:23:20.545 --> 01:23:23.311 include clip placement in the node

NOTE Confidence: 0.75943375

01:23:23.311 --> 01:23:26.970 for the purpose of retrieving the.

NOTE Confidence: 0.75943375

01:23:26.970 --> 01:23:29.634 They know that was most likely to be

NOTE Confidence: 0.75943375

01:23:29.634 --> 01:23:32.416 effective or have the highest tumor burden,

NOTE Confidence: 0.75943375

01:23:32.420 --> 01:23:34.230 but if the Alliance 11202

NOTE Confidence: 0.75943375

01:23:34.230 --> 01:23:35.316 trial shows otherwise,

NOTE Confidence: 0.75943375

01:23:35.320 --> 01:23:38.587 clip placement may be a thing of the past.

NOTE Confidence: 0.8592542

01:23:41.070 --> 01:23:43.718 So with that I would really like to

NOTE Confidence: 0.8592542

01:23:43.718 --> 01:23:45.712 thank Doctor Berger, Doctor Lynch,

NOTE Confidence: 0.8592542

01:23:45.712 --> 01:23:48.028 Doctor Green up for these three

NOTE Confidence: 0.8592542

01:23:48.028 --> 01:23:49.796 fantastic presentations and you know

NOTE Confidence: 0.8592542

01:23:49.796 --> 01:23:51.361 the thoughtfully answers we've been

NOTE Confidence: 0.8592542

01:23:51.361 --> 01:23:53.387 able to provide to the audience,

NOTE Confidence: 0.8592542

01:23:53.390 --> 01:23:54.443 and more importantly,

NOTE Confidence: 0.8592542

01:23:54.443 --> 01:23:56.572 to the attendees from, you know,

NOTE Confidence: 0.8592542

01:23:56.572 --> 01:23:58.016 Yale, Connecticut, around the

NOTE Confidence: 0.8592542

01:23:58.016 --> 01:24:00.080 United States and around the world.

NOTE Confidence: 0.8592542

01:24:00.080 --> 01:24:02.600 We really appreciate the time and the

NOTE Confidence: 0.8592542

01:24:02.600 --> 01:24:05.782 you know to listen to us and we look

NOTE Confidence: 0.8592542

01:24:05.782 --> 01:24:08.527 forward to seeing you in person one day,

NOTE Confidence: 0.8592542

01:24:08.530 --> 01:24:09.583 and until then,

NOTE Confidence: 0.8592542

01:24:09.583 --> 01:24:11.338 we will continue these series.

NOTE Confidence: 0.8592542

01:24:11.340 --> 01:24:13.100 So thank you very much.