

WEBVTT

NOTE duration:"01:03:41"

NOTE recognizability:0.889

NOTE language:en-us

NOTE Confidence: 0.886227976521739

00:00:00.000 --> 00:00:01.796 Answer Community tumor board.

NOTE Confidence: 0.886227976521739

00:00:01.796 --> 00:00:04.490 Tonight we look forward to this

NOTE Confidence: 0.886227976521739

00:00:04.572 --> 00:00:06.927 conversation with you and welcome

NOTE Confidence: 0.886227976521739

00:00:06.927 --> 00:00:09.282 your questions and comments in

NOTE Confidence: 0.886227976521739

00:00:09.365 --> 00:00:11.338 the chat box and there will be

NOTE Confidence: 0.886227976521739

00:00:11.338 --> 00:00:12.698 plenty of time for interaction.

NOTE Confidence: 0.850947044705882

00:00:15.190 --> 00:00:18.137 So to introduce you to the breast

NOTE Confidence: 0.850947044705882

00:00:18.137 --> 00:00:20.429 cancer tumor board that takes

NOTE Confidence: 0.850947044705882

00:00:20.429 --> 00:00:22.799 place across the Yale network.

NOTE Confidence: 0.850947044705882

00:00:22.800 --> 00:00:26.076 These are weekly meetings of breast cancer,

NOTE Confidence: 0.850947044705882

00:00:26.080 --> 00:00:29.570 team physicians, nurses, social workers,

NOTE Confidence: 0.850947044705882

00:00:29.570 --> 00:00:31.475 physical therapists, nutritionists,

NOTE Confidence: 0.850947044705882

00:00:31.475 --> 00:00:35.315 and others engaged in the care of women

NOTE Confidence: 0.850947044705882

00:00:35.315 --> 00:00:37.870 and men diagnosed with breast cancer.
NOTE Confidence: 0.850947044705882

00:00:37.870 --> 00:00:41.446 These tumor boards allow us to ensure that
NOTE Confidence: 0.850947044705882

00:00:41.446 --> 00:00:44.090 the highest quality multidisciplinary
NOTE Confidence: 0.850947044705882

00:00:44.090 --> 00:00:48.616 care is taking place in the care of you.
NOTE Confidence: 0.850947044705882

00:00:48.620 --> 00:00:51.596 And these meetings also serve to
NOTE Confidence: 0.850947044705882

00:00:51.596 --> 00:00:53.580 review available clinical trials.
NOTE Confidence: 0.850947044705882

00:00:53.580 --> 00:00:55.740 So today will give you a taste of
NOTE Confidence: 0.850947044705882

00:00:55.740 --> 00:00:57.930 what a breast cancer tumor board
NOTE Confidence: 0.850947044705882

00:00:57.930 --> 00:01:01.150 might look like and use it as an
NOTE Confidence: 0.850947044705882

00:01:01.150 --> 00:01:04.365 opportunity to teach you the latest
NOTE Confidence: 0.850947044705882

00:01:04.365 --> 00:01:06.609 about breast cancer management.
NOTE Confidence: 0.850947044705882

00:01:06.610 --> 00:01:08.026 And, uh, so.
NOTE Confidence: 0.850947044705882

00:01:08.026 --> 00:01:10.386 So in this tumor board,
NOTE Confidence: 0.850947044705882

00:01:10.390 --> 00:01:13.330 long will present two cases,
NOTE Confidence: 0.850947044705882

00:01:13.330 --> 00:01:15.820 each representing different aspects of
NOTE Confidence: 0.850947044705882

00:01:15.820 --> 00:01:19.170 Breast Cancer Care and patients experience.

NOTE Confidence: 0.850947044705882

00:01:19.170 --> 00:01:21.165 And we have assembled a

NOTE Confidence: 0.850947044705882

00:01:21.165 --> 00:01:23.160 multidisciplinary team from all the

NOTE Confidence: 0.850947044705882

00:01:23.234 --> 00:01:25.074 important disciplines that take

NOTE Confidence: 0.850947044705882

00:01:25.074 --> 00:01:27.834 care of patients with breast cancer.

NOTE Confidence: 0.850947044705882

00:01:27.840 --> 00:01:30.490 And, as I mentioned before,

NOTE Confidence: 0.850947044705882

00:01:30.490 --> 00:01:32.190 as questions come to you,

NOTE Confidence: 0.850947044705882

00:01:32.190 --> 00:01:34.174 feel free to put them into chat and

NOTE Confidence: 0.850947044705882

00:01:34.174 --> 00:01:36.459 we will all take turns answering your.

NOTE Confidence: 0.850947044705882

00:01:36.460 --> 00:01:36.950 Questions.

NOTE Confidence: 0.871829139333333

00:01:39.470 --> 00:01:44.564 So to introduce you to the members of the

NOTE Confidence: 0.871829139333333

00:01:44.564 --> 00:01:47.826 multidisciplinary team who are present today.

NOTE Confidence: 0.871829139333333

00:01:47.830 --> 00:01:50.950 I I would like to first present Doctor

NOTE Confidence: 0.871829139333333

00:01:50.950 --> 00:01:53.970 Kevin June, who is that associate

NOTE Confidence: 0.871829139333333

00:01:53.970 --> 00:01:56.210 Professor of therapeutic radiology.

NOTE Confidence: 0.871829139333333

00:01:56.210 --> 00:01:59.696 He has specific expertise and radiation

NOTE Confidence: 0.871829139333333

00:01:59.696 --> 00:02:03.290 oncology questions related to breast cancer.
NOTE Confidence: 0.8718291393333333

00:02:03.290 --> 00:02:05.995 We also have doctor Kathleen sent here
NOTE Confidence: 0.8718291393333333

00:02:05.995 --> 00:02:09.680 today who who treats a number of men and
NOTE Confidence: 0.8718291393333333

00:02:09.680 --> 00:02:12.452 women with breast cancer and specializes
NOTE Confidence: 0.8718291393333333

00:02:12.452 --> 00:02:16.789 in this area as a medical oncology expert.
NOTE Confidence: 0.8718291393333333

00:02:16.790 --> 00:02:20.406 Max we have Pam Fitzgerald who is a
NOTE Confidence: 0.8718291393333333

00:02:20.406 --> 00:02:23.368 licensed social worker and oncology
NOTE Confidence: 0.8718291393333333

00:02:23.368 --> 00:02:26.240 patient navigator and through her
NOTE Confidence: 0.8718291393333333

00:02:26.240 --> 00:02:28.840 expertise she helps patients navigate
NOTE Confidence: 0.8718291393333333

00:02:28.840 --> 00:02:32.174 a complex system and the overwhelming
NOTE Confidence: 0.8718291393333333

00:02:32.174 --> 00:02:35.492 time but better breast cancer diagnosis
NOTE Confidence: 0.8718291393333333

00:02:35.575 --> 00:02:38.702 can be so that all resources are found
NOTE Confidence: 0.8718291393333333

00:02:38.702 --> 00:02:41.660 and that your needs are answered.
NOTE Confidence: 0.8718291393333333

00:02:41.660 --> 00:02:45.040 Next we have Amanda Ganzak.
NOTE Confidence: 0.8718291393333333

00:02:45.040 --> 00:02:47.878 Who is a genetic counselor and
NOTE Confidence: 0.8718291393333333

00:02:47.878 --> 00:02:49.770 outreach coordinator in Bridgeport

NOTE Confidence: 0.871829139333333

00:02:49.847 --> 00:02:51.591 Hospital as you'll learn,

NOTE Confidence: 0.871829139333333

00:02:51.591 --> 00:02:53.913 there are many genetic questions that

NOTE Confidence: 0.871829139333333

00:02:53.913 --> 00:02:56.808 come up in the routine care of patients

NOTE Confidence: 0.871829139333333

00:02:56.808 --> 00:02:59.144 with breast cancer and she'll be

NOTE Confidence: 0.871829139333333

00:02:59.144 --> 00:03:01.592 available today to answer those questions.

NOTE Confidence: 0.871829139333333

00:03:01.600 --> 00:03:03.916 Next we have doctor Melanie Lynch,

NOTE Confidence: 0.871829139333333

00:03:03.920 --> 00:03:06.608 who is the Director of breast

NOTE Confidence: 0.871829139333333

00:03:06.608 --> 00:03:08.400 surgery at Bridgeport Hospital.

NOTE Confidence: 0.871829139333333

00:03:08.400 --> 00:03:10.518 She is an amazing resource in

NOTE Confidence: 0.871829139333333

00:03:10.518 --> 00:03:11.930 our network and blueberry.

NOTE Confidence: 0.871829139333333

00:03:11.930 --> 00:03:15.522 Thrilled to have her expertise in the

NOTE Confidence: 0.871829139333333

00:03:15.522 --> 00:03:17.830 management of breast cancer patients.

NOTE Confidence: 0.871829139333333

00:03:17.830 --> 00:03:21.456 And next we have doctor Melissa Mastriani,

NOTE Confidence: 0.871829139333333

00:03:21.460 --> 00:03:23.905 who's an assistant professor of

NOTE Confidence: 0.871829139333333

00:03:23.905 --> 00:03:27.025 plastic surgery who also has extensive

NOTE Confidence: 0.871829139333333

00:03:27.025 --> 00:03:30.589 expertise in managing all aspects of
NOTE Confidence: 0.871829139333333

00:03:30.589 --> 00:03:32.849 reconstruction and plastic issues
NOTE Confidence: 0.871829139333333

00:03:32.849 --> 00:03:35.465 that come up in patients diagnosed
NOTE Confidence: 0.871829139333333

00:03:35.465 --> 00:03:36.920 with breast cancer.
NOTE Confidence: 0.871829139333333

00:03:36.920 --> 00:03:40.068 So this is our team today and this
NOTE Confidence: 0.871829139333333

00:03:40.068 --> 00:03:41.862 same team takes care of patients
NOTE Confidence: 0.871829139333333

00:03:41.862 --> 00:03:44.209 in the Trumbull Bridgeport region.
NOTE Confidence: 0.871829139333333

00:03:44.210 --> 00:03:47.450 So if if you are a patient in
NOTE Confidence: 0.871829139333333

00:03:47.450 --> 00:03:49.752 those areas you may have already
NOTE Confidence: 0.871829139333333

00:03:49.752 --> 00:03:51.617 interacted with this seller team.
NOTE Confidence: 0.873457211428571

00:03:54.110 --> 00:03:56.686 Since this is breast Cancer Awareness Month,
NOTE Confidence: 0.873457211428571

00:03:56.690 --> 00:03:59.250 I will share a few facts with you,
NOTE Confidence: 0.873457211428571

00:03:59.250 --> 00:04:01.860 which is that over 300,000 individuals
NOTE Confidence: 0.873457211428571

00:04:01.860 --> 00:04:04.079 are diagnosed with breast cancer
NOTE Confidence: 0.873457211428571

00:04:04.079 --> 00:04:06.518 annually in the United States through
NOTE Confidence: 0.873457211428571

00:04:06.518 --> 00:04:09.304 over three and a half million breast

NOTE Confidence: 0.873457211428571

00:04:09.304 --> 00:04:11.720 cancer survivors and long term survival

NOTE Confidence: 0.873457211428571

00:04:11.720 --> 00:04:14.150 after breast cancer treatment is common,

NOTE Confidence: 0.873457211428571

00:04:14.150 --> 00:04:16.580 with over 8080% of individuals

NOTE Confidence: 0.873457211428571

00:04:16.580 --> 00:04:19.010 with breast cancer living more

NOTE Confidence: 0.873457211428571

00:04:19.090 --> 00:04:21.560 than ten years after diagnosis.

NOTE Confidence: 0.873457211428571

00:04:21.560 --> 00:04:23.174 So with that I will turn

NOTE Confidence: 0.873457211428571

00:04:23.174 --> 00:04:24.700 it over to Doctor Lynch,

NOTE Confidence: 0.873457211428571

00:04:24.700 --> 00:04:26.740 who will introduce our first case.

NOTE Confidence: 0.873457211428571

00:04:26.740 --> 00:04:27.210 Thank you.

NOTE Confidence: 0.8431684

00:04:29.410 --> 00:04:32.480 Thank you doctor Westburg.

NOTE Confidence: 0.962053843333333

00:04:32.480 --> 00:04:34.535 So this team gets to

NOTE Confidence: 0.962053843333333

00:04:34.535 --> 00:04:36.179 work together every week.

NOTE Confidence: 0.962053843333333

00:04:36.180 --> 00:04:37.996 Which is the best part of my job,

NOTE Confidence: 0.962053843333333

00:04:38.000 --> 00:04:39.480 so I'm glad we get to share it.

NOTE Confidence: 0.962053843333333

00:04:39.480 --> 00:04:41.400 This tumor board with you tonight.

NOTE Confidence: 0.962053843333333

00:04:41.400 --> 00:04:43.848 Our first patient is a 62 year old woman
NOTE Confidence: 0.9620538433333333

00:04:43.848 --> 00:04:46.419 who has an abnormal screening mammogram.
NOTE Confidence: 0.9620538433333333

00:04:46.420 --> 00:04:48.868 She was called back and had
NOTE Confidence: 0.9620538433333333

00:04:48.868 --> 00:04:50.500 diagnostic imaging that identified
NOTE Confidence: 0.9620538433333333

00:04:50.575 --> 00:04:52.285 a mass in the left breast.
NOTE Confidence: 0.9620538433333333

00:04:52.290 --> 00:04:54.426 The upper inner part of the
NOTE Confidence: 0.9620538433333333

00:04:54.426 --> 00:04:56.290 breast near the chest wall.
NOTE Confidence: 0.9620538433333333

00:04:56.290 --> 00:04:58.138 She's otherwise very healthy
NOTE Confidence: 0.9620538433333333

00:04:58.138 --> 00:04:59.986 with only osteoporosis and
NOTE Confidence: 0.9620538433333333

00:04:59.986 --> 00:05:02.499 the only medication she takes.
NOTE Confidence: 0.9620538433333333

00:05:02.500 --> 00:05:06.315 Is for the treatment of her osteoporosis.
NOTE Confidence: 0.9620538433333333

00:05:06.320 --> 00:05:08.010 For the next next slide.
NOTE Confidence: 0.931436112

00:05:11.640 --> 00:05:13.330 Her family history is interesting.
NOTE Confidence: 0.931436112

00:05:13.330 --> 00:05:14.278 Her mother had breast
NOTE Confidence: 0.931436112

00:05:14.278 --> 00:05:15.826 cancer at the age of 68,
NOTE Confidence: 0.931436112

00:05:15.826 --> 00:05:17.250 and her mother's brother,

NOTE Confidence: 0.931436112

00:05:17.250 --> 00:05:18.624 her maternal uncle,

NOTE Confidence: 0.931436112

00:05:18.624 --> 00:05:22.170 had pancreatic cancer at the age of 60.

NOTE Confidence: 0.931436112

00:05:22.170 --> 00:05:23.940 She has a very normal physical

NOTE Confidence: 0.931436112

00:05:23.940 --> 00:05:25.736 exam except for a very small

NOTE Confidence: 0.931436112

00:05:25.736 --> 00:05:27.668 mass that can be felt in the

NOTE Confidence: 0.931436112

00:05:27.668 --> 00:05:29.364 upper inner part of the left

NOTE Confidence: 0.931436112

00:05:29.364 --> 00:05:31.113 breast and she has no concerning

NOTE Confidence: 0.931436112

00:05:31.113 --> 00:05:33.078 lymph nodes on physical exam.

NOTE Confidence: 0.929750788

00:05:35.110 --> 00:05:37.370 So here's a representative this.

NOTE Confidence: 0.929750788

00:05:37.370 --> 00:05:40.088 These cases are also representative cases.

NOTE Confidence: 0.929750788

00:05:40.090 --> 00:05:43.380 These are not specific patients,

NOTE Confidence: 0.929750788

00:05:43.380 --> 00:05:46.386 but here's an example of a.

NOTE Confidence: 0.929750788

00:05:46.390 --> 00:05:49.094 Mass that would be concerning on a mammogram.

NOTE Confidence: 0.929750788

00:05:49.100 --> 00:05:51.124 Mammograms are taken in two views and so

NOTE Confidence: 0.929750788

00:05:51.124 --> 00:05:53.044 the first view looks at the breast from

NOTE Confidence: 0.929750788

00:05:53.044 --> 00:05:55.146 side to side so you can see that the
NOTE Confidence: 0.929750788

00:05:55.146 --> 00:05:57.259 masses in the inner part of the breast.
NOTE Confidence: 0.929750788

00:05:57.259 --> 00:05:59.197 And the second image shows the
NOTE Confidence: 0.929750788

00:05:59.197 --> 00:06:00.768 breast from top to bottom,
NOTE Confidence: 0.929750788

00:06:00.770 --> 00:06:02.597 so you can see that the mass is in
NOTE Confidence: 0.929750788

00:06:02.597 --> 00:06:04.703 the top of the breast as well and very
NOTE Confidence: 0.929750788

00:06:04.703 --> 00:06:06.778 close to the muscle of the chest wall.
NOTE Confidence: 0.921788052272727

00:06:10.170 --> 00:06:11.962 The ultrasound showed this mass and as
NOTE Confidence: 0.921788052272727

00:06:11.962 --> 00:06:14.092 you look at the ultrasound you see the
NOTE Confidence: 0.921788052272727

00:06:14.092 --> 00:06:16.020 stripes on the bottom of the screen.
NOTE Confidence: 0.921788052272727

00:06:16.020 --> 00:06:17.358 That's the muscle of the chest
NOTE Confidence: 0.921788052272727

00:06:17.358 --> 00:06:19.197 wall so you can see again that this
NOTE Confidence: 0.921788052272727

00:06:19.197 --> 00:06:20.930 tumor mass is close to the muscle.
NOTE Confidence: 0.859317484117647

00:06:24.140 --> 00:06:26.443 So she had a biopsy and the
NOTE Confidence: 0.859317484117647

00:06:26.443 --> 00:06:27.811 biopsy demonstrated that this
NOTE Confidence: 0.859317484117647

00:06:27.811 --> 00:06:29.659 area was was a breast cancer.

NOTE Confidence: 0.859317484117647

00:06:29.660 --> 00:06:33.268 It's a ductal cancer grade two and

NOTE Confidence: 0.859317484117647

00:06:33.268 --> 00:06:35.460 it's estrogen receptor positive,

NOTE Confidence: 0.859317484117647

00:06:35.460 --> 00:06:38.538 which is a favorable tumor biology.

NOTE Confidence: 0.89051099

00:06:43.910 --> 00:06:45.709 So this is where patients will usually

NOTE Confidence: 0.89051099

00:06:45.709 --> 00:06:47.510 see a surgeon's first course of treatment,

NOTE Confidence: 0.89051099

00:06:47.510 --> 00:06:50.055 and so will review medical history,

NOTE Confidence: 0.89051099

00:06:50.055 --> 00:06:50.892 surgical history,

NOTE Confidence: 0.89051099

00:06:50.892 --> 00:06:52.944 or social and her family history.

NOTE Confidence: 0.89051099

00:06:52.950 --> 00:06:54.166 And then we'll make.

NOTE Confidence: 0.89051099

00:06:54.166 --> 00:06:55.686 Surgeons will make the referral

NOTE Confidence: 0.89051099

00:06:55.686 --> 00:06:57.586 to the tumor board for discussion

NOTE Confidence: 0.89051099

00:06:57.586 --> 00:06:59.524 of the primary team in general,

NOTE Confidence: 0.89051099

00:06:59.524 --> 00:07:01.284 someone with a good early

NOTE Confidence: 0.89051099

00:07:01.284 --> 00:07:02.910 stage in favorable biology,

NOTE Confidence: 0.89051099

00:07:02.910 --> 00:07:06.850 cancer will be referred for for surgery

NOTE Confidence: 0.89051099

00:07:06.850 --> 00:07:08.356 as the first course of treatment.
NOTE Confidence: 0.914480798

00:07:11.590 --> 00:07:14.353 So I'd like to turn it over to Pam
NOTE Confidence: 0.914480798

00:07:14.353 --> 00:07:17.380 Fitzgerald, who is our patient navigator,
NOTE Confidence: 0.914480798

00:07:17.380 --> 00:07:21.748 who will sit with patients at this
NOTE Confidence: 0.914480798

00:07:21.748 --> 00:07:24.070 initial consultation and we'll start
NOTE Confidence: 0.914480798

00:07:24.070 --> 00:07:25.930 start the process of helping patients
NOTE Confidence: 0.914480798

00:07:25.930 --> 00:07:27.928 work their way through the system.
NOTE Confidence: 0.456346765

00:07:35.860 --> 00:07:37.820 Right, uhm, can you see me?
NOTE Confidence: 0.8893374

00:07:40.130 --> 00:07:42.310 Yeah, I'm I'm Fitzgerald and I am
NOTE Confidence: 0.8893374

00:07:42.310 --> 00:07:44.279 one of the navigators at Smilow,
NOTE Confidence: 0.854020622857143

00:07:44.280 --> 00:07:45.537 Trumbull and Fairfield.
NOTE Confidence: 0.854020622857143

00:07:45.537 --> 00:07:49.441 I am social worker and what I what I would
NOTE Confidence: 0.854020622857143

00:07:49.441 --> 00:07:52.946 do is sit with the patient at initial
NOTE Confidence: 0.854020622857143

00:07:52.946 --> 00:07:55.010 consultation with Doctor Lynch and get
NOTE Confidence: 0.854020622857143

00:07:55.010 --> 00:07:57.476 to understand a little bit about their
NOTE Confidence: 0.854020622857143

00:07:57.476 --> 00:07:59.876 social history and their family history,

NOTE Confidence: 0.854020622857143
00:07:59.880 --> 00:08:01.580 who their supports are.
NOTE Confidence: 0.854020622857143
00:08:01.580 --> 00:08:04.130 We would also review the distressed
NOTE Confidence: 0.854020622857143
00:08:04.208 --> 00:08:07.320 screening tool at this time and see what
NOTE Confidence: 0.854020622857143
00:08:07.320 --> 00:08:10.340 in particular this woman generally speaking.
NOTE Confidence: 0.854020622857143
00:08:10.340 --> 00:08:12.671 Would indicate where her stressors and we
NOTE Confidence: 0.854020622857143
00:08:12.671 --> 00:08:15.716 would try to help problem solve those issues.
NOTE Confidence: 0.854020622857143
00:08:15.720 --> 00:08:18.536 So for example in a 62 year old
NOTE Confidence: 0.854020622857143
00:08:18.536 --> 00:08:22.030 woman we would talk sometimes
NOTE Confidence: 0.854020622857143
00:08:22.030 --> 00:08:24.155 about loss of loved ones.
NOTE Confidence: 0.854020622857143
00:08:24.160 --> 00:08:26.855 She may have recently had a family.
NOTE Confidence: 0.854020622857143
00:08:26.860 --> 00:08:27.280 Remember,
NOTE Confidence: 0.854020622857143
00:08:27.280 --> 00:08:30.864 pass away her children may be moving away.
NOTE Confidence: 0.854020622857143
00:08:30.870 --> 00:08:33.444 She may still be working and
NOTE Confidence: 0.854020622857143
00:08:33.444 --> 00:08:35.160 worried about financial stressors,
NOTE Confidence: 0.854020622857143
00:08:35.160 --> 00:08:39.120 so in that period of time.
NOTE Confidence: 0.854020622857143

00:08:39.120 --> 00:08:42.622 Name would talk about what supports
NOTE Confidence: 0.854020622857143

00:08:42.622 --> 00:08:45.674 are available to her in the community.
NOTE Confidence: 0.854020622857143

00:08:45.680 --> 00:08:47.000 We do have financial grants
NOTE Confidence: 0.854020622857143

00:08:47.000 --> 00:08:48.320 that we can help with.
NOTE Confidence: 0.854020622857143

00:08:48.320 --> 00:08:53.837 We can also help her with paperwork for work,
NOTE Confidence: 0.854020622857143

00:08:53.840 --> 00:08:57.624 whether it be FMLA or short term disability.
NOTE Confidence: 0.854020622857143

00:08:57.630 --> 00:09:01.086 We also can refer her to counseling if
NOTE Confidence: 0.854020622857143

00:09:01.086 --> 00:09:05.016 it's felt that she would benefit from that.
NOTE Confidence: 0.854020622857143

00:09:05.020 --> 00:09:07.092 The Integrated medicine services
NOTE Confidence: 0.854020622857143

00:09:07.092 --> 00:09:09.164 that we have available.
NOTE Confidence: 0.854020622857143

00:09:09.170 --> 00:09:12.470 Are numerous we have support groups,
NOTE Confidence: 0.854020622857143

00:09:12.470 --> 00:09:16.000 dietary counseling.
NOTE Confidence: 0.854020622857143

00:09:16.000 --> 00:09:19.798 We you know we have acupuncture
NOTE Confidence: 0.854020622857143

00:09:19.798 --> 00:09:21.697 and also most.
NOTE Confidence: 0.854020622857143

00:09:21.700 --> 00:09:23.480 Find someone helpful throughout
NOTE Confidence: 0.854020622857143

00:09:23.480 --> 00:09:25.120 their course of treatment,

NOTE Confidence: 0.854020622857143
00:09:25.120 --> 00:09:28.354 but what's kind of unique to navigation
NOTE Confidence: 0.854020622857143
00:09:28.354 --> 00:09:31.906 is that we can travel sort of speak
NOTE Confidence: 0.854020622857143
00:09:31.906 --> 00:09:34.600 with the woman throughout her continuum
NOTE Confidence: 0.854020622857143
00:09:34.676 --> 00:09:37.195 of care so we can meet with her to
NOTE Confidence: 0.854020622857143
00:09:37.195 --> 00:09:38.980 discuss her options for treatment,
NOTE Confidence: 0.854020622857143
00:09:38.980 --> 00:09:40.945 but also explain why things
NOTE Confidence: 0.854020622857143
00:09:40.945 --> 00:09:43.280 are happening in a certain way.
NOTE Confidence: 0.854020622857143
00:09:43.280 --> 00:09:46.411 Sort of in layman's terms, we are available.
NOTE Confidence: 0.854020622857143
00:09:46.411 --> 00:09:48.448 We tell them as soon as they walk
NOTE Confidence: 0.854020622857143
00:09:48.448 --> 00:09:49.436 out of the office.
NOTE Confidence: 0.854020622857143
00:09:49.440 --> 00:09:51.553 If they have a question, please call us.
NOTE Confidence: 0.854020622857143
00:09:51.553 --> 00:09:52.726 Call us tomorrow.
NOTE Confidence: 0.854020622857143
00:09:52.730 --> 00:09:54.290 Call us next week.
NOTE Confidence: 0.854020622857143
00:09:54.290 --> 00:09:57.260 Whatever we can do to alleviate stress.
NOTE Confidence: 0.854020622857143
00:09:57.260 --> 00:09:59.978 We can also meet with them with a medical
NOTE Confidence: 0.854020622857143

00:09:59.978 --> 00:10:02.027 oncologist and the radiation oncologist,
NOTE Confidence: 0.854020622857143

00:10:02.030 --> 00:10:03.590 and again assess at that time.
NOTE Confidence: 0.854020622857143

00:10:03.590 --> 00:10:05.646 Oftentimes in radiation oncology,
NOTE Confidence: 0.854020622857143

00:10:05.646 --> 00:10:08.216 people have problems with transportation.
NOTE Confidence: 0.854020622857143

00:10:08.220 --> 00:10:10.880 We have resources for that as well,
NOTE Confidence: 0.854020622857143

00:10:10.880 --> 00:10:11.618 so again,
NOTE Confidence: 0.854020622857143

00:10:11.618 --> 00:10:13.832 we're here to eliminate barriers to
NOTE Confidence: 0.854020622857143

00:10:13.832 --> 00:10:17.240 care and to also help you from diagnosis
NOTE Confidence: 0.854020622857143

00:10:17.240 --> 00:10:19.113 through till survivorship and you know,
NOTE Confidence: 0.854020622857143

00:10:19.113 --> 00:10:20.259 we just like to say we're,
NOTE Confidence: 0.854020622857143

00:10:20.260 --> 00:10:23.116 you know, a new sort of friend.
NOTE Confidence: 0.854020622857143

00:10:23.120 --> 00:10:24.476 That you would make and please
NOTE Confidence: 0.854020622857143

00:10:24.476 --> 00:10:25.839 call us if you need us.
NOTE Confidence: 0.854020622857143

00:10:25.840 --> 00:10:28.968 And with that I'll turn over to Amanda.
NOTE Confidence: 0.90644331125

00:10:35.520 --> 00:10:37.776 Alright, we can go to the next slide.
NOTE Confidence: 0.90644331125

00:10:37.780 --> 00:10:39.280 I'm Amanda Gann second one

NOTE Confidence: 0.90644331125
00:10:39.280 --> 00:10:40.480 of the genetic counselors,
NOTE Confidence: 0.90644331125
00:10:40.480 --> 00:10:43.720 and we have several who are staffed in
NOTE Confidence: 0.90644331125
00:10:43.720 --> 00:10:46.262 the Bridgeport Trumbull location and
NOTE Confidence: 0.90644331125
00:10:46.262 --> 00:10:50.430 basically what we do is help to review
NOTE Confidence: 0.90644331125
00:10:50.536 --> 00:10:52.432 an individual's personal and family
NOTE Confidence: 0.90644331125
00:10:52.432 --> 00:10:54.970 history of cancer to determine the
NOTE Confidence: 0.90644331125
00:10:55.034 --> 00:10:57.746 likelihood that the cancers are hereditary.
NOTE Confidence: 0.90644331125
00:10:57.750 --> 00:10:59.798 Meaning a gene is running in the family,
NOTE Confidence: 0.90644331125
00:10:59.800 --> 00:11:01.395 placing them and their family
NOTE Confidence: 0.90644331125
00:11:01.395 --> 00:11:03.410 members at high risk for particular
NOTE Confidence: 0.90644331125
00:11:03.410 --> 00:11:05.540 types of cancers and with that.
NOTE Confidence: 0.90644331125
00:11:05.540 --> 00:11:07.510 Information we can then target
NOTE Confidence: 0.90644331125
00:11:07.510 --> 00:11:09.960 and help the providers plan how
NOTE Confidence: 0.90644331125
00:11:09.960 --> 00:11:12.000 to attack those increased risks,
NOTE Confidence: 0.90644331125
00:11:12.000 --> 00:11:15.678 how to offer different surgical approaches,
NOTE Confidence: 0.90644331125

00:11:15.680 --> 00:11:18.020 how to discuss various chemoprevention
NOTE Confidence: 0.90644331125

00:11:18.020 --> 00:11:21.264 or other risk reducing options that might
NOTE Confidence: 0.90644331125

00:11:21.264 --> 00:11:24.169 be available based on those increased risks.
NOTE Confidence: 0.90644331125

00:11:24.170 --> 00:11:27.400 So if we take this case one as our example,
NOTE Confidence: 0.90644331125

00:11:27.400 --> 00:11:30.172 some of the factors that I would be looking
NOTE Confidence: 0.90644331125

00:11:30.172 --> 00:11:33.174 at in terms of assessing for the likelihood
NOTE Confidence: 0.90644331125

00:11:33.174 --> 00:11:35.909 of a hereditary risk for cancer is the.
NOTE Confidence: 0.90644331125

00:11:35.910 --> 00:11:38.410 Patients own breast cancer diagnosis.
NOTE Confidence: 0.90644331125

00:11:38.410 --> 00:11:39.594 Although she was diagnosed
NOTE Confidence: 0.90644331125

00:11:39.594 --> 00:11:41.074 after the age of 50,
NOTE Confidence: 0.90644331125

00:11:41.080 --> 00:11:43.132 so that alone is not something
NOTE Confidence: 0.90644331125

00:11:43.132 --> 00:11:45.310 that would highly be concerning.
NOTE Confidence: 0.90644331125

00:11:45.310 --> 00:11:46.774 For hereditary risk, however,
NOTE Confidence: 0.90644331125

00:11:46.774 --> 00:11:49.820 she has a family history of both breast
NOTE Confidence: 0.90644331125

00:11:49.820 --> 00:11:52.564 cancer in her mother and pancreatic cancer,
NOTE Confidence: 0.90644331125

00:11:52.570 --> 00:11:54.230 in her maternal uncle.

NOTE Confidence: 0.90644331125

00:11:54.230 --> 00:11:56.060 So we see two affected relatives

NOTE Confidence: 0.90644331125

00:11:56.060 --> 00:11:58.109 on the same side of the family,

NOTE Confidence: 0.90644331125

00:11:58.110 --> 00:12:01.188 combining both breast and pancreatic cancer,

NOTE Confidence: 0.90644331125

00:12:01.190 --> 00:12:04.925 which for me are all red flags to see,

NOTE Confidence: 0.90644331125

00:12:04.930 --> 00:12:05.606 you know,

NOTE Confidence: 0.90644331125

00:12:05.606 --> 00:12:07.296 to further assess this family

NOTE Confidence: 0.90644331125

00:12:07.296 --> 00:12:08.630 for potential hereditary risk.

NOTE Confidence: 0.97819364

00:12:10.290 --> 00:12:11.060 Next slide.

NOTE Confidence: 0.90384495

00:12:13.210 --> 00:12:16.430 So we utilized the NCCN guidelines,

NOTE Confidence: 0.949249507857143

00:12:16.430 --> 00:12:19.166 which are published on an annual basis out

NOTE Confidence: 0.949249507857143

00:12:19.166 --> 00:12:22.580 of the National Comprehensive Cancer Network.

NOTE Confidence: 0.949249507857143

00:12:22.580 --> 00:12:24.818 These are ever changing and involving

NOTE Confidence: 0.949249507857143

00:12:24.818 --> 00:12:27.994 as new data and information is collected

NOTE Confidence: 0.949249507857143

00:12:27.994 --> 00:12:30.679 from our hereditary cancer families,

NOTE Confidence: 0.949249507857143

00:12:30.680 --> 00:12:32.465 so it can certainly be difficult to

NOTE Confidence: 0.949249507857143

00:12:32.465 --> 00:12:34.429 keep a bridge to these year to year,
NOTE Confidence: 0.949249507857143

00:12:34.430 --> 00:12:36.383 but that's what we hope to be there for,
NOTE Confidence: 0.949249507857143

00:12:36.390 --> 00:12:37.840 and particularly in tumor boards.
NOTE Confidence: 0.949249507857143

00:12:37.840 --> 00:12:39.436 So we helped to review these
NOTE Confidence: 0.949249507857143

00:12:39.436 --> 00:12:41.580 guidelines in all the cases that are
NOTE Confidence: 0.949249507857143

00:12:41.580 --> 00:12:43.280 presented to determine how eligible.
NOTE Confidence: 0.949249507857143

00:12:43.280 --> 00:12:45.315 Someone maybe for referral to
NOTE Confidence: 0.949249507857143

00:12:45.315 --> 00:12:47.350 cancer genetics for an evaluation
NOTE Confidence: 0.949249507857143

00:12:47.420 --> 00:12:49.620 and discussion of genetic testing.
NOTE Confidence: 0.949249507857143

00:12:49.620 --> 00:12:52.796 And so if you just hit next for me, please.
NOTE Confidence: 0.949249507857143

00:12:52.796 --> 00:12:54.460 In looking at this,
NOTE Confidence: 0.949249507857143

00:12:54.460 --> 00:12:56.415 this particular patient was diagnosed
NOTE Confidence: 0.949249507857143

00:12:56.415 --> 00:12:58.948 with breast cancer over the age of
NOTE Confidence: 0.949249507857143

00:12:58.948 --> 00:13:01.012 50 and she has a close relative with
NOTE Confidence: 0.949249507857143

00:13:01.080 --> 00:13:03.402 breast cancer and a close relative
NOTE Confidence: 0.949249507857143

00:13:03.402 --> 00:13:04.563 with pancreatic cancer.

NOTE Confidence: 0.949249507857143

00:13:04.570 --> 00:13:06.634 So using this these guidelines we

NOTE Confidence: 0.949249507857143

00:13:06.634 --> 00:13:09.552 see that she does meet criteria for

NOTE Confidence: 0.949249507857143

00:13:09.552 --> 00:13:11.516 consideration of genetic testing.

NOTE Confidence: 0.949249507857143

00:13:11.520 --> 00:13:15.355 Next and so historically BRCA one

NOTE Confidence: 0.949249507857143

00:13:15.355 --> 00:13:18.643 and BRCA 2 or the genes that we see

NOTE Confidence: 0.949249507857143

00:13:18.643 --> 00:13:20.728 most often associated with hereditary

NOTE Confidence: 0.949249507857143

00:13:20.728 --> 00:13:21.690 breast cancer.

NOTE Confidence: 0.949249507857143

00:13:21.690 --> 00:13:23.910 But these genes called other cancers

NOTE Confidence: 0.949249507857143

00:13:23.910 --> 00:13:25.880 like ovarian and pancreatic cancer.

NOTE Confidence: 0.949249507857143

00:13:25.880 --> 00:13:27.020 So for me,

NOTE Confidence: 0.949249507857143

00:13:27.020 --> 00:13:30.044 kind of top on my radar of assessment for

NOTE Confidence: 0.949249507857143

00:13:30.044 --> 00:13:32.804 this patient would be BRCA one and two,

NOTE Confidence: 0.949249507857143

00:13:32.810 --> 00:13:35.239 although they are not the only jeans

NOTE Confidence: 0.949249507857143

00:13:35.239 --> 00:13:37.788 that link breast and pancreatic cancer.

NOTE Confidence: 0.949249507857143

00:13:37.790 --> 00:13:39.575 The other genes that we might think

NOTE Confidence: 0.949249507857143

00:13:39.575 --> 00:13:41.230 about in this particular case,
NOTE Confidence: 0.949249507857143

00:13:41.230 --> 00:13:43.900 our PAL B2 and ATM.
NOTE Confidence: 0.949249507857143

00:13:43.900 --> 00:13:44.726 And so,
NOTE Confidence: 0.949249507857143

00:13:44.726 --> 00:13:48.030 in the kind of world of genetic testing,
NOTE Confidence: 0.949249507857143

00:13:48.030 --> 00:13:50.690 nowadays we do what's called a multi
NOTE Confidence: 0.949249507857143

00:13:50.690 --> 00:13:53.625 gene panel where we can test multiple
NOTE Confidence: 0.949249507857143

00:13:53.625 --> 00:13:55.775 genes for hereditary cancer risk,
NOTE Confidence: 0.949249507857143

00:13:55.780 --> 00:13:57.844 and I think that would be the best
NOTE Confidence: 0.949249507857143

00:13:57.844 --> 00:13:59.370 test suited for this patient.
NOTE Confidence: 0.949249507857143

00:13:59.370 --> 00:14:00.882 And she does meet NCCN guidelines
NOTE Confidence: 0.949249507857143

00:14:00.882 --> 00:14:02.899 and so more than likely she would
NOTE Confidence: 0.949249507857143

00:14:02.899 --> 00:14:04.489 also meet her insurance guidelines
NOTE Confidence: 0.949249507857143

00:14:04.489 --> 00:14:05.580 for genetic testing,
NOTE Confidence: 0.949249507857143

00:14:05.580 --> 00:14:07.533 and that test would help us determine
NOTE Confidence: 0.949249507857143

00:14:07.533 --> 00:14:09.420 does she have a hereditary risk?
NOTE Confidence: 0.949249507857143

00:14:09.420 --> 00:14:11.352 Does she have future risks for other

NOTE Confidence: 0.949249507857143

00:14:11.352 --> 00:14:13.483 cancers that are higher than we would

NOTE Confidence: 0.949249507857143

00:14:13.483 --> 00:14:15.043 expect in the general population?

NOTE Confidence: 0.949249507857143

00:14:15.050 --> 00:14:16.919 Turn our other family members at risk

NOTE Confidence: 0.949249507857143

00:14:16.919 --> 00:14:19.057 and so that testing comes back in a

NOTE Confidence: 0.949249507857143

00:14:19.057 --> 00:14:21.538 couple weeks and we can help facilitate that.

NOTE Confidence: 0.949249507857143

00:14:21.540 --> 00:14:23.480 Disclose those results that help

NOTE Confidence: 0.949249507857143

00:14:23.480 --> 00:14:26.130 facilitate next steps as needed.

NOTE Confidence: 0.949249507857143

00:14:26.130 --> 00:14:28.398 And so pass it along to.

NOTE Confidence: 0.18132752

00:14:30.520 --> 00:14:33.560 Uh, thank you that Doctor Massaroni

NOTE Confidence: 0.898426245

00:14:34.610 --> 00:14:36.200 comes back, comes back to surgery.

NOTE Confidence: 0.898426245

00:14:36.200 --> 00:14:39.612 Oh, OK, so breast surgery is certainly

NOTE Confidence: 0.898426245

00:14:39.612 --> 00:14:41.596 continuing to evolve as we develop

NOTE Confidence: 0.898426245

00:14:41.596 --> 00:14:43.660 new techniques to make sure that

NOTE Confidence: 0.898426245

00:14:43.734 --> 00:14:46.331 we are both curing the cancer and

NOTE Confidence: 0.898426245

00:14:46.331 --> 00:14:48.385 also providing patients with a good

NOTE Confidence: 0.898426245

00:14:48.385 --> 00:14:50.368 result and minimizing the morbidity
NOTE Confidence: 0.898426245

00:14:50.368 --> 00:14:52.478 or complications of our operations
NOTE Confidence: 0.898426245

00:14:52.478 --> 00:14:54.889 or symptoms associated with them.
NOTE Confidence: 0.898426245

00:14:54.890 --> 00:14:56.864 And we've moved from mastectomy to
NOTE Confidence: 0.898426245

00:14:56.864 --> 00:14:59.135 being able to offer breast conservation
NOTE Confidence: 0.898426245

00:14:59.135 --> 00:15:01.355 or lumpectomy to more patients.
NOTE Confidence: 0.898426245

00:15:01.360 --> 00:15:03.784 In the pictures in the bottom showed the
NOTE Confidence: 0.898426245

00:15:03.784 --> 00:15:05.480 difference between axillary dissection,
NOTE Confidence: 0.898426245

00:15:05.480 --> 00:15:06.740 which was the standard of care
NOTE Confidence: 0.898426245

00:15:06.740 --> 00:15:08.409 when I was a medical student.
NOTE Confidence: 0.898426245

00:15:08.410 --> 00:15:10.636 To now Sentinel lymph node biopsy,
NOTE Confidence: 0.898426245

00:15:10.640 --> 00:15:12.632 removing only one or two lymph
NOTE Confidence: 0.898426245

00:15:12.632 --> 00:15:13.960 nodes at each operation.
NOTE Confidence: 0.898426245

00:15:13.960 --> 00:15:15.700 As you've seen the picture
NOTE Confidence: 0.898426245

00:15:15.700 --> 00:15:17.092 in the lower corner.
NOTE Confidence: 0.898426245

00:15:17.100 --> 00:15:17.880 Next slide.

NOTE Confidence: 0.89653629

00:15:20.160 --> 00:15:22.064 And so now we've moved into the

NOTE Confidence: 0.89653629

00:15:22.064 --> 00:15:23.739 area of Oncoplastic breast surgery,

NOTE Confidence: 0.89653629

00:15:23.740 --> 00:15:26.680 which is providing the best possible

NOTE Confidence: 0.89653629

00:15:26.680 --> 00:15:30.074 operation for patients to achieve a good

NOTE Confidence: 0.89653629

00:15:30.074 --> 00:15:32.774 cosmetic and functional outcome as well

NOTE Confidence: 0.89653629

00:15:32.774 --> 00:15:36.108 as ensuring that we are providing the

NOTE Confidence: 0.89653629

00:15:36.108 --> 00:15:39.147 best overall outcome that we are

NOTE Confidence: 0.89653629

00:15:39.147 --> 00:15:41.870 contributing to the cure of a cancer.

NOTE Confidence: 0.89653629

00:15:41.870 --> 00:15:44.042 Oncoplastic surgery is often requires

NOTE Confidence: 0.89653629

00:15:44.042 --> 00:15:46.361 teamwork from a breast surgeon and a

NOTE Confidence: 0.89653629

00:15:46.361 --> 00:15:48.131 plastic surgeon working together to come

NOTE Confidence: 0.89653629

00:15:48.131 --> 00:15:50.659 up with the best operation for a patient,

NOTE Confidence: 0.89653629

00:15:50.660 --> 00:15:53.502 and also making sure that we understand

NOTE Confidence: 0.89653629

00:15:53.502 --> 00:15:57.740 what the patient's goals are. Next slide.

NOTE Confidence: 0.89653629

00:15:57.740 --> 00:16:00.290 This is doctor Mastriani slide.

NOTE Confidence: 0.89653629

00:16:00.290 --> 00:16:00.980 Now I'll jump
NOTE Confidence: 0.862845380769231

00:16:00.990 --> 00:16:03.335 in and so uncle plastic breast surgery
NOTE Confidence: 0.862845380769231

00:16:03.335 --> 00:16:06.130 is not a cookie cutter operation.
NOTE Confidence: 0.862845380769231

00:16:06.130 --> 00:16:08.361 And as you can imagine, based on your
NOTE Confidence: 0.862845380769231

00:16:08.361 --> 00:16:10.965 tumor size and the ratio of that tumor
NOTE Confidence: 0.862845380769231

00:16:10.965 --> 00:16:14.040 size to the rest of the breast size,
NOTE Confidence: 0.862845380769231

00:16:14.040 --> 00:16:16.144 breasts are or come in all shapes and
NOTE Confidence: 0.862845380769231

00:16:16.144 --> 00:16:18.677 sizes in many different patients and women.
NOTE Confidence: 0.862845380769231

00:16:18.680 --> 00:16:21.224 So typically we're looking at a ratio of
NOTE Confidence: 0.862845380769231

00:16:21.224 --> 00:16:24.117 the tumor and that issue that we need to
NOTE Confidence: 0.862845380769231

00:16:24.117 --> 00:16:26.778 remove in relation to the rest of the breast.
NOTE Confidence: 0.862845380769231

00:16:26.780 --> 00:16:29.020 Simple slam dunks are smaller
NOTE Confidence: 0.862845380769231

00:16:29.020 --> 00:16:30.812 tumors in larger breasts.
NOTE Confidence: 0.862845380769231

00:16:30.820 --> 00:16:32.245 Patients will hardly notice the
NOTE Confidence: 0.862845380769231

00:16:32.245 --> 00:16:33.960 difference if we remove that long,
NOTE Confidence: 0.862845380769231

00:16:33.960 --> 00:16:35.568 but we may not necessarily have

NOTE Confidence: 0.862845380769231
00:16:35.568 --> 00:16:36.989 to do anything very complicated
NOTE Confidence: 0.862845380769231
00:16:36.989 --> 00:16:39.047 to yield you with a normal looking
NOTE Confidence: 0.862845380769231
00:16:39.047 --> 00:16:41.058 breast at the end of your operation.
NOTE Confidence: 0.862845380769231
00:16:41.060 --> 00:16:45.702 However, as you approach the 20 and 40%
NOTE Confidence: 0.862845380769231
00:16:45.702 --> 00:16:47.676 range where you're going to be removing
NOTE Confidence: 0.862845380769231
00:16:47.676 --> 00:16:49.390 a significant portion of the breast,
NOTE Confidence: 0.862845380769231
00:16:49.390 --> 00:16:49.870 oftentimes,
NOTE Confidence: 0.862845380769231
00:16:49.870 --> 00:16:52.750 and the literature shows this too,
NOTE Confidence: 0.862845380769231
00:16:52.750 --> 00:16:55.074 it's important to consult with a plastic
NOTE Confidence: 0.862845380769231
00:16:55.074 --> 00:16:56.796 surgeon because there are options
NOTE Confidence: 0.862845380769231
00:16:56.796 --> 00:16:58.476 that don't involve more surgery.
NOTE Confidence: 0.862845380769231
00:16:58.480 --> 00:17:00.568 Or implants or anything that's going
NOTE Confidence: 0.862845380769231
00:17:00.568 --> 00:17:02.964 to cause more scars on your body
NOTE Confidence: 0.862845380769231
00:17:02.964 --> 00:17:05.060 besides that one. Back to me scar.
NOTE Confidence: 0.862845380769231
00:17:05.060 --> 00:17:06.510 Occasionally we can do things
NOTE Confidence: 0.862845380769231

00:17:06.510 --> 00:17:08.456 to match the other breast too,
NOTE Confidence: 0.862845380769231

00:17:08.460 --> 00:17:11.236 so this is our sort of basic guidelines
NOTE Confidence: 0.862845380769231

00:17:11.236 --> 00:17:14.005 where if you have less than 20% of
NOTE Confidence: 0.862845380769231

00:17:14.005 --> 00:17:16.840 breast tissue being needed to be removed,
NOTE Confidence: 0.862845380769231

00:17:16.840 --> 00:17:19.174 you oftentimes can close very simply
NOTE Confidence: 0.862845380769231

00:17:19.174 --> 00:17:22.511 and you're not going to have a very
NOTE Confidence: 0.862845380769231

00:17:22.511 --> 00:17:24.219 cosmetic Lee noticeable difference.
NOTE Confidence: 0.862845380769231

00:17:24.220 --> 00:17:27.902 As you approach the 20 to 40% range we do.
NOTE Confidence: 0.862845380769231

00:17:27.902 --> 00:17:30.266 There are a variety of different
NOTE Confidence: 0.862845380769231

00:17:30.266 --> 00:17:32.601 techniques that we can use to
NOTE Confidence: 0.862845380769231

00:17:32.601 --> 00:17:34.466 essentially squish tissue from one
NOTE Confidence: 0.862845380769231

00:17:34.540 --> 00:17:37.020 area into the area that is now a
NOTE Confidence: 0.862845380769231

00:17:37.020 --> 00:17:39.850 whole where the cancer used to be.
NOTE Confidence: 0.862845380769231

00:17:39.850 --> 00:17:41.890 Once we go beyond that then you need
NOTE Confidence: 0.862845380769231

00:17:41.890 --> 00:17:43.956 to think about volume of replacement
NOTE Confidence: 0.862845380769231

00:17:43.956 --> 00:17:45.826 or removing tissue from somewhere

NOTE Confidence: 0.862845380769231

00:17:45.826 --> 00:17:47.961 else outside the breast to help fill

NOTE Confidence: 0.862845380769231

00:17:47.961 --> 00:17:50.480 in that volume and to make sure that

NOTE Confidence: 0.862845380769231

00:17:50.480 --> 00:17:53.150 you're in your own skin look normal.

NOTE Confidence: 0.862845380769231

00:17:53.150 --> 00:17:55.379 Next slide, please.

NOTE Confidence: 0.862845380769231

00:17:55.380 --> 00:17:56.270 And as you can imagine,

NOTE Confidence: 0.862845380769231

00:17:56.270 --> 00:17:58.250 there are nearly limitless possibilities,

NOTE Confidence: 0.862845380769231

00:17:58.250 --> 00:18:00.086 so this is one of the fun parts of

NOTE Confidence: 0.862845380769231

00:18:00.086 --> 00:18:02.086 my job where I get to talk closely

NOTE Confidence: 0.862845380769231

00:18:02.086 --> 00:18:03.610 and work with Doctor Lynch,

NOTE Confidence: 0.862845380769231

00:18:03.610 --> 00:18:05.296 or we figure out exactly where

NOTE Confidence: 0.862845380769231

00:18:05.296 --> 00:18:07.678 that tumor is and how can we best

NOTE Confidence: 0.862845380769231

00:18:07.678 --> 00:18:09.472 design and an incision that's going

NOTE Confidence: 0.862845380769231

00:18:09.530 --> 00:18:11.230 to be cosmetically sensitive.

NOTE Confidence: 0.862845380769231

00:18:11.230 --> 00:18:12.634 It's not going to be right in the middle

NOTE Confidence: 0.862845380769231

00:18:12.634 --> 00:18:14.346 of your face every time you look at yourself,

NOTE Confidence: 0.862845380769231

00:18:14.350 --> 00:18:16.366 and that can easily become an clothing.
NOTE Confidence: 0.862845380769231

00:18:16.370 --> 00:18:16.958 And also,
NOTE Confidence: 0.862845380769231

00:18:16.958 --> 00:18:19.640 how can we make this look nicer for you?
NOTE Confidence: 0.862845380769231

00:18:19.640 --> 00:18:21.405 Sometimes this often requires an
NOTE Confidence: 0.862845380769231

00:18:21.405 --> 00:18:23.170 operation on the other breast,
NOTE Confidence: 0.862845380769231

00:18:23.170 --> 00:18:25.440 two to help it match, so these are just some.
NOTE Confidence: 0.862845380769231

00:18:25.440 --> 00:18:28.560 Examples of what we can do.
NOTE Confidence: 0.862845380769231

00:18:28.560 --> 00:18:29.070 Next
NOTE Confidence: 0.833985791875

00:18:30.470 --> 00:18:33.053 so this patient had A and a cancer in
NOTE Confidence: 0.833985791875

00:18:33.053 --> 00:18:35.869 the upper inner quadrant of the breast.
NOTE Confidence: 0.833985791875

00:18:35.870 --> 00:18:38.870 And so we planned an operation to excise
NOTE Confidence: 0.833985791875

00:18:38.870 --> 00:18:41.482 that to remove underlying tissue and
NOTE Confidence: 0.833985791875

00:18:41.482 --> 00:18:44.766 to reshape both breasts in a breast
NOTE Confidence: 0.833985791875

00:18:44.766 --> 00:18:47.040 lift type operation. Next slide.
NOTE Confidence: 0.94563227

00:18:49.890 --> 00:18:52.902 And so many studies have been done to to
NOTE Confidence: 0.94563227

00:18:52.902 --> 00:18:55.566 demonstrate that this kind of approach

NOTE Confidence: 0.94563227

00:18:55.566 --> 00:18:59.067 to breast surgery is both safe from

NOTE Confidence: 0.94563227

00:18:59.067 --> 00:19:02.059 a surgical standpoint and provides a

NOTE Confidence: 0.94563227

00:19:02.059 --> 00:19:05.286 good uncle logic outcome that we can

NOTE Confidence: 0.94563227

00:19:05.286 --> 00:19:07.376 ensure that we are also curing the

NOTE Confidence: 0.94563227

00:19:07.376 --> 00:19:09.545 cancer in the same way that we would

NOTE Confidence: 0.94563227

00:19:09.545 --> 00:19:11.780 be doing it with a simple lumpectomy.

NOTE Confidence: 0.94563227

00:19:11.780 --> 00:19:14.772 So two large trials have shown that they're

NOTE Confidence: 0.94563227

00:19:14.772 --> 00:19:17.649 both safe and effective and next slide.

NOTE Confidence: 0.94563227

00:19:17.650 --> 00:19:19.568 This is kind of a busy slide,

NOTE Confidence: 0.94563227

00:19:19.570 --> 00:19:23.193 but if the those two last columns oncoplastic

NOTE Confidence: 0.94563227

00:19:23.193 --> 00:19:26.958 breast surgery and therapeutic mammoplasty,

NOTE Confidence: 0.94563227

00:19:26.960 --> 00:19:29.277 the type of operation that we just

NOTE Confidence: 0.94563227

00:19:29.277 --> 00:19:32.103 showed you also have the best patient

NOTE Confidence: 0.94563227

00:19:32.103 --> 00:19:32.985 reported outcomes,

NOTE Confidence: 0.94563227

00:19:32.990 --> 00:19:35.074 including sexual well-being, appearance,

NOTE Confidence: 0.94563227

00:19:35.074 --> 00:19:38.670 emotional well being and physical well being.

NOTE Confidence: 0.94563227

00:19:38.670 --> 00:19:41.300 Next slide.

NOTE Confidence: 0.94563227

00:19:41.300 --> 00:19:42.931 So this was the outcome of the

NOTE Confidence: 0.94563227

00:19:42.931 --> 00:19:44.110 case for this patient,

NOTE Confidence: 0.94563227

00:19:44.110 --> 00:19:47.680 where the final tumor was

NOTE Confidence: 0.94563227

00:19:47.680 --> 00:19:49.372 1.8 centimeters in size.

NOTE Confidence: 0.94563227

00:19:49.372 --> 00:19:51.064 We achieve clear margins.

NOTE Confidence: 0.94563227

00:19:51.070 --> 00:19:53.464 We did a Sentinel lymph node biopsy,

NOTE Confidence: 0.94563227

00:19:53.470 --> 00:19:55.298 a limited axillary surgery,

NOTE Confidence: 0.94563227

00:19:55.298 --> 00:19:58.860 and the lymph nodes were not involved.

NOTE Confidence: 0.94563227

00:19:58.860 --> 00:20:01.080 Next slide.

NOTE Confidence: 0.94563227

00:20:01.080 --> 00:20:03.643 He sent to take a test called an

NOTE Confidence: 0.94563227

00:20:03.643 --> 00:20:05.960 Oncotype and will move from here to

NOTE Confidence: 0.94563227

00:20:06.030 --> 00:20:08.148 the next slide into Doctor Fenn.

NOTE Confidence: 0.893784235714286

00:20:12.520 --> 00:20:14.445 So high, so as a medical oncologist,

NOTE Confidence: 0.893784235714286

00:20:14.450 --> 00:20:16.746 I typically will see patients such as this

NOTE Confidence: 0.893784235714286

00:20:16.746 --> 00:20:19.183 one who have small lymph node negative

NOTE Confidence: 0.893784235714286

00:20:19.183 --> 00:20:21.570 tumors that are hormone receptor positive.

NOTE Confidence: 0.893784235714286

00:20:21.570 --> 00:20:23.943 Her two negative to discuss treatments that

NOTE Confidence: 0.893784235714286

00:20:23.943 --> 00:20:26.808 we can offer to reduce the risk of recurrence

NOTE Confidence: 0.893784235714286

00:20:26.808 --> 00:20:29.329 long term and as a medical oncologist,

NOTE Confidence: 0.893784235714286

00:20:29.330 --> 00:20:31.035 and particularly interested at reducing

NOTE Confidence: 0.893784235714286

00:20:31.035 --> 00:20:33.076 the risk of distant recurrence that

NOTE Confidence: 0.893784235714286

00:20:33.076 --> 00:20:34.750 means cancer outside of the breast,

NOTE Confidence: 0.893784235714286

00:20:34.750 --> 00:20:38.138 in the lymph nodes lungs you know

NOTE Confidence: 0.893784235714286

00:20:38.140 --> 00:20:40.930 liver to reduce our increase,

NOTE Confidence: 0.893784235714286

00:20:40.930 --> 00:20:42.157 the chance that.

NOTE Confidence: 0.893784235714286

00:20:42.157 --> 00:20:44.611 Patients will survive long term cancer

NOTE Confidence: 0.893784235714286

00:20:44.611 --> 00:20:47.604 free and so for this type of breast cancer.

NOTE Confidence: 0.893784235714286

00:20:47.610 --> 00:20:50.386 One tool that we have to assess whether

NOTE Confidence: 0.893784235714286

00:20:50.386 --> 00:20:53.090 a patient needs chemotherapy is called

NOTE Confidence: 0.893784235714286

00:20:53.090 --> 00:20:55.908 the Oncotype and we'll move to the next
NOTE Confidence: 0.893784235714286

00:20:55.908 --> 00:20:58.610 slide and I might go back to this one.
NOTE Confidence: 0.893784235714286

00:20:58.610 --> 00:21:02.234 So historically, many patients with
NOTE Confidence: 0.893784235714286

00:21:02.234 --> 00:21:04.574 this profile were offered chemotherapy,
NOTE Confidence: 0.893784235714286

00:21:04.580 --> 00:21:06.785 but we now know that many patients,
NOTE Confidence: 0.893784235714286

00:21:06.790 --> 00:21:09.681 in fact, most patients with node negative
NOTE Confidence: 0.893784235714286

00:21:09.681 --> 00:21:11.850 hormone receptor positive breast cancer,
NOTE Confidence: 0.893784235714286

00:21:11.850 --> 00:21:13.992 actually don't benefit from post operative
NOTE Confidence: 0.893784235714286

00:21:13.992 --> 00:21:16.719 or what we call Advent chemotherapy.
NOTE Confidence: 0.893784235714286

00:21:16.720 --> 00:21:18.925 Though there is a subset of patients
NOTE Confidence: 0.893784235714286

00:21:18.925 --> 00:21:21.314 that that do benefit in reducing
NOTE Confidence: 0.893784235714286

00:21:21.314 --> 00:21:23.604 their risk by receiving chemotherapy.
NOTE Confidence: 0.893784235714286

00:21:23.610 --> 00:21:25.860 So our goal is to identify the patients who
NOTE Confidence: 0.893784235714286

00:21:25.860 --> 00:21:28.039 will benefit and offer them chemotherapy.
NOTE Confidence: 0.893784235714286

00:21:28.040 --> 00:21:29.200 And then you know,
NOTE Confidence: 0.893784235714286

00:21:29.200 --> 00:21:31.240 reassure the patients who won't benefit that.

NOTE Confidence: 0.893784235714286

00:21:31.240 --> 00:21:32.504 Chemotherapy is not necessary,

NOTE Confidence: 0.893784235714286

00:21:32.504 --> 00:21:34.400 and the side effects that potentially

NOTE Confidence: 0.893784235714286

00:21:34.455 --> 00:21:35.757 could come there of our our,

NOTE Confidence: 0.893784235714286

00:21:35.760 --> 00:21:36.294 you know,

NOTE Confidence: 0.893784235714286

00:21:36.294 --> 00:21:38.163 we we need we can avoid them

NOTE Confidence: 0.893784235714286

00:21:38.163 --> 00:21:39.929 by avoiding chemotherapy.

NOTE Confidence: 0.893784235714286

00:21:39.930 --> 00:21:43.611 So this Oncotype DX test is what we

NOTE Confidence: 0.893784235714286

00:21:43.611 --> 00:21:45.916 called 21 gene recurrence score to

NOTE Confidence: 0.893784235714286

00:21:45.916 --> 00:21:48.412 test those developed by researchers by

NOTE Confidence: 0.893784235714286

00:21:48.412 --> 00:21:51.853 looking at a whole array of genes that

NOTE Confidence: 0.893784235714286

00:21:51.853 --> 00:21:54.562 are involved in breast cancer biology

NOTE Confidence: 0.893784235714286

00:21:54.562 --> 00:21:58.118 and identifying 16 jeans that are very

NOTE Confidence: 0.893784235714286

00:21:58.118 --> 00:22:00.220 strongly associated with breast cancer.

NOTE Confidence: 0.893784235714286

00:22:00.220 --> 00:22:02.740 Prints as well as five reference genes.

NOTE Confidence: 0.893784235714286

00:22:02.740 --> 00:22:04.120 So when we send this test,

NOTE Confidence: 0.893784235714286

00:22:04.120 --> 00:22:07.120 this test is a test sent on the tumor tissue.

NOTE Confidence: 0.893784235714286

00:22:07.120 --> 00:22:09.016 It's sent out to a lab,

NOTE Confidence: 0.893784235714286

00:22:09.020 --> 00:22:11.690 and the levels of those 21

NOTE Confidence: 0.893784235714286

00:22:11.690 --> 00:22:14.166 genes are assessed, and then,

NOTE Confidence: 0.893784235714286

00:22:14.166 --> 00:22:16.438 using a mathematical model,

NOTE Confidence: 0.893784235714286

00:22:16.440 --> 00:22:18.555 a recurrence score that ranges

NOTE Confidence: 0.893784235714286

00:22:18.555 --> 00:22:21.520 from zero to 100 is resulted,

NOTE Confidence: 0.893784235714286

00:22:21.520 --> 00:22:23.266 as in that report that you

NOTE Confidence: 0.893784235714286

00:22:23.266 --> 00:22:25.540 just saw on the previous slide.

NOTE Confidence: 0.893784235714286

00:22:25.540 --> 00:22:27.612 So this test is what we call

NOTE Confidence: 0.893784235714286

00:22:27.612 --> 00:22:29.250 both prognostic and predictive.

NOTE Confidence: 0.893784235714286

00:22:29.250 --> 00:22:32.218 It can allow us to estimate the

NOTE Confidence: 0.893784235714286

00:22:32.218 --> 00:22:35.028 chance that cancer comes back in nine

NOTE Confidence: 0.893784235714286

00:22:35.028 --> 00:22:37.326 to 10 years with endocrine therapy,

NOTE Confidence: 0.893784235714286

00:22:37.326 --> 00:22:39.738 which I'll talk about in the

NOTE Confidence: 0.893784235714286

00:22:39.738 --> 00:22:41.059 next slide alone,

NOTE Confidence: 0.893784235714286
00:22:41.060 --> 00:22:44.525 and and then it can also predict
NOTE Confidence: 0.893784235714286
00:22:44.530 --> 00:22:46.427 you know how much can we lower
NOTE Confidence: 0.893784235714286
00:22:46.427 --> 00:22:48.446 that risk by adding an chemotherapy
NOTE Confidence: 0.893784235714286
00:22:48.446 --> 00:22:50.720 to that pill that I'll discuss.
NOTE Confidence: 0.893784235714286
00:22:50.720 --> 00:22:53.150 So when this test was developed,
NOTE Confidence: 0.893784235714286
00:22:53.150 --> 00:22:55.182 you know it was shown when they looked
NOTE Confidence: 0.893784235714286
00:22:55.182 --> 00:22:56.654 at patients treated on previous
NOTE Confidence: 0.893784235714286
00:22:56.654 --> 00:22:58.478 clinical trials that there's a subset
NOTE Confidence: 0.893784235714286
00:22:58.478 --> 00:23:00.636 of patients with a high recurrence score
NOTE Confidence: 0.893784235714286
00:23:00.636 --> 00:23:02.850 who really do benefit from chemotherapy,
NOTE Confidence: 0.893784235714286
00:23:02.850 --> 00:23:05.375 whereas patients have lower scores.
NOTE Confidence: 0.893784235714286
00:23:05.380 --> 00:23:07.510 You know the benefits less clear.
NOTE Confidence: 0.893784235714286
00:23:07.510 --> 00:23:09.570 So with this Oncotype score
NOTE Confidence: 0.893784235714286
00:23:09.570 --> 00:23:11.630 result from zero to 100,
NOTE Confidence: 0.893784235714286
00:23:11.630 --> 00:23:14.519 we consider up to 10 to be low risk,
NOTE Confidence: 0.893784235714286

00:23:14.520 --> 00:23:17.070 11 to 25 B intermediate risk,
NOTE Confidence: 0.893784235714286

00:23:17.070 --> 00:23:19.639 and 26 in blood above to be
NOTE Confidence: 0.86239671

00:23:19.640 --> 00:23:23.294 high risk. And so this you know is validated
NOTE Confidence: 0.86239671

00:23:23.294 --> 00:23:26.816 in a clinical trial called Taylor Axe.
NOTE Confidence: 0.86239671

00:23:26.820 --> 00:23:29.417 In which patients who had low recurrence
NOTE Confidence: 0.86239671

00:23:29.417 --> 00:23:31.439 scores did not receive chemotherapy
NOTE Confidence: 0.86239671

00:23:31.439 --> 00:23:33.965 and did quite well long term,
NOTE Confidence: 0.86239671

00:23:33.970 --> 00:23:35.495 whereas those patients who had
NOTE Confidence: 0.86239671

00:23:35.495 --> 00:23:36.715 high recurrence scores did.
NOTE Confidence: 0.86239671

00:23:36.720 --> 00:23:38.750 Because we knew that already that these
NOTE Confidence: 0.86239671

00:23:38.750 --> 00:23:40.888 patients are at high risk of recurrence
NOTE Confidence: 0.86239671

00:23:40.890 --> 00:23:43.308 and then patients with an intermediate
NOTE Confidence: 0.86239671

00:23:43.308 --> 00:23:46.220 score between 11 and 25 were randomized
NOTE Confidence: 0.86239671

00:23:46.220 --> 00:23:48.488 flip a coin to receive chemotherapy and
NOTE Confidence: 0.86239671

00:23:48.488 --> 00:23:51.179 followed by a pill under current therapy,
NOTE Confidence: 0.86239671

00:23:51.180 --> 00:23:52.700 or endocrine therapy alone,

NOTE Confidence: 0.86239671

00:23:52.700 --> 00:23:54.980 and the results of this study

NOTE Confidence: 0.86239671

00:23:55.049 --> 00:23:57.049 showed that for patients with.

NOTE Confidence: 0.86239671

00:23:57.050 --> 00:24:01.112 Are a current score of 20

NOTE Confidence: 0.86239671

00:24:01.112 --> 00:24:04.478 below 25 and below say.

NOTE Confidence: 0.86239671

00:24:04.480 --> 00:24:05.784 These patients did not,

NOTE Confidence: 0.86239671

00:24:05.784 --> 00:24:08.810 in general, benefit from additional

NOTE Confidence: 0.86239671

00:24:08.810 --> 00:24:11.180 chemotherapy after surgery,

NOTE Confidence: 0.86239671

00:24:11.180 --> 00:24:12.392 and so you know,

NOTE Confidence: 0.86239671

00:24:12.392 --> 00:24:14.210 I say here post menopausal women,

NOTE Confidence: 0.86239671

00:24:14.210 --> 00:24:16.208 but really women who are over

NOTE Confidence: 0.86239671

00:24:16.208 --> 00:24:18.588 50 like our patient here with a

NOTE Confidence: 0.86239671

00:24:18.588 --> 00:24:20.538 recurrent score at or under 25.

NOTE Confidence: 0.86239671

00:24:20.540 --> 00:24:22.598 I really don't think benefit from

NOTE Confidence: 0.86239671

00:24:22.598 --> 00:24:24.614 chemotherapy and you can see that

NOTE Confidence: 0.86239671

00:24:24.614 --> 00:24:26.644 on the report in the previous slide

NOTE Confidence: 0.86239671

00:24:26.644 --> 00:24:28.356 they give an estimate of recurrence
NOTE Confidence: 0.86239671

00:24:28.356 --> 00:24:31.264 risk at 9 to 10 years as patient was
NOTE Confidence: 0.86239671

00:24:31.264 --> 00:24:32.940 9% and they estimated that really
NOTE Confidence: 0.86239671

00:24:32.940 --> 00:24:34.680 we can't lower it any further.
NOTE Confidence: 0.86239671

00:24:34.680 --> 00:24:36.486 By giving chemotherapy that was less
NOTE Confidence: 0.86239671

00:24:36.486 --> 00:24:39.652 than 1% benefit for those patients,
NOTE Confidence: 0.86239671

00:24:39.652 --> 00:24:41.292 unlike our patients who are
NOTE Confidence: 0.86239671

00:24:41.292 --> 00:24:42.832 younger under 50 years old.
NOTE Confidence: 0.86239671

00:24:42.840 --> 00:24:45.384 You know there might be some benefit from
NOTE Confidence: 0.86239671

00:24:45.384 --> 00:24:47.618 chemotherapy and the high intermediate range,
NOTE Confidence: 0.86239671

00:24:47.620 --> 00:24:50.164 and often we take into account other features
NOTE Confidence: 0.86239671

00:24:50.164 --> 00:24:52.956 such as the size of the tumor in the grade.
NOTE Confidence: 0.86239671

00:24:52.960 --> 00:24:53.580 But again,
NOTE Confidence: 0.86239671

00:24:53.580 --> 00:24:55.440 for this patient with a recurrence
NOTE Confidence: 0.86239671

00:24:55.440 --> 00:24:56.290 score of 23,
NOTE Confidence: 0.86239671

00:24:56.290 --> 00:24:58.810 I would not recommend adjuvant chemotherapy.

NOTE Confidence: 0.919055483

00:25:01.060 --> 00:25:03.406 So that brings us to quick

NOTE Confidence: 0.919055483

00:25:03.406 --> 00:25:04.970 discussion about endocrine therapy.

NOTE Confidence: 0.919055483

00:25:04.970 --> 00:25:10.255 So certainly the chemotherapy is not needed.

NOTE Confidence: 0.919055483

00:25:10.260 --> 00:25:12.420 Agile and endocrine therapy will be

NOTE Confidence: 0.919055483

00:25:12.420 --> 00:25:14.410 a really important part of this.

NOTE Confidence: 0.919055483

00:25:14.410 --> 00:25:16.748 Patients care, so by this I mean

NOTE Confidence: 0.919055483

00:25:16.748 --> 00:25:19.057 a pill that's taken once a day,

NOTE Confidence: 0.919055483

00:25:19.060 --> 00:25:20.782 for we say at least five

NOTE Confidence: 0.919055483

00:25:20.782 --> 00:25:22.640 years or five to 10 years,

NOTE Confidence: 0.919055483

00:25:22.640 --> 00:25:24.395 which yields a really significant

NOTE Confidence: 0.919055483

00:25:24.395 --> 00:25:26.943 reduction in the risk of recurrence by

NOTE Confidence: 0.919055483

00:25:26.943 --> 00:25:29.484 about half and death from breast cancer,

NOTE Confidence: 0.919055483

00:25:29.490 --> 00:25:31.534 and then has a secondary benefit of

NOTE Confidence: 0.919055483

00:25:31.534 --> 00:25:33.908 reducing the risk of a second breast cancer.

NOTE Confidence: 0.919055483

00:25:33.910 --> 00:25:36.060 So for post menopausal women,

NOTE Confidence: 0.919055483

00:25:36.060 --> 00:25:37.800 just a really brief overview,
NOTE Confidence: 0.919055483

00:25:37.800 --> 00:25:40.054 a class of pills called aromatase inhibitors,
NOTE Confidence: 0.919055483

00:25:40.060 --> 00:25:40.948 really the preferred.
NOTE Confidence: 0.919055483

00:25:40.950 --> 00:25:43.986 Therapy to reduce breast cancer recurrence.
NOTE Confidence: 0.919055483

00:25:43.990 --> 00:25:46.188 Risk pills that many of you may
NOTE Confidence: 0.919055483

00:25:46.188 --> 00:25:49.393 have heard of in this class include
NOTE Confidence: 0.919055483

00:25:49.393 --> 00:25:51.037 anastrozole letrozole exemestane.
NOTE Confidence: 0.919055483

00:25:51.040 --> 00:25:53.920 These pills reduced estrogen levels.
NOTE Confidence: 0.919055483

00:25:53.920 --> 00:25:57.955 Uhm, and in general these pills can be
NOTE Confidence: 0.919055483

00:25:57.955 --> 00:26:00.650 quite tolerable in many patients with you.
NOTE Confidence: 0.919055483

00:26:00.650 --> 00:26:03.602 No, no to few side effects and side
NOTE Confidence: 0.919055483

00:26:03.602 --> 00:26:06.222 effects are often very manageable
NOTE Confidence: 0.919055483

00:26:06.222 --> 00:26:08.025 with various strategies,
NOTE Confidence: 0.919055483

00:26:08.030 --> 00:26:09.962 but it's important to know that they
NOTE Confidence: 0.919055483

00:26:09.962 --> 00:26:12.579 can carry some side effects for these
NOTE Confidence: 0.919055483

00:26:12.579 --> 00:26:13.878 particular limitation inhibitors.

NOTE Confidence: 0.919055483

00:26:13.880 --> 00:26:17.840 Joint stiffness and pain may may occur

NOTE Confidence: 0.919055483

00:26:17.840 --> 00:26:20.115 as well as some hormonal like symptoms

NOTE Confidence: 0.919055483

00:26:20.115 --> 00:26:22.159 like hot flashes and mood changes.

NOTE Confidence: 0.919055483

00:26:22.160 --> 00:26:25.184 We also look out for bone loss.

NOTE Confidence: 0.919055483

00:26:25.190 --> 00:26:27.224 An aromatase inhibitors.

NOTE Confidence: 0.919055483

00:26:27.224 --> 00:26:30.192 This patient had osteoporosis which

NOTE Confidence: 0.919055483

00:26:30.192 --> 00:26:32.460 is not in and of itself a reason not

NOTE Confidence: 0.919055483

00:26:32.520 --> 00:26:34.500 to offer an aromatase inhibitor,

NOTE Confidence: 0.919055483

00:26:34.500 --> 00:26:36.236 but we would want to make sure that

NOTE Confidence: 0.919055483

00:26:36.236 --> 00:26:38.025 we are working with her primary

NOTE Confidence: 0.919055483

00:26:38.025 --> 00:26:39.650 doctor or endocrinologist to make

NOTE Confidence: 0.919055483

00:26:39.650 --> 00:26:41.781 sure that we're reversing any other

NOTE Confidence: 0.919055483

00:26:41.781 --> 00:26:42.828 causes of osteoporosis.

NOTE Confidence: 0.919055483

00:26:42.830 --> 00:26:45.672 Make sure that her vitamin D levels

NOTE Confidence: 0.919055483

00:26:45.672 --> 00:26:48.350 are optimized and then also potentially

NOTE Confidence: 0.919055483

00:26:48.350 --> 00:26:51.802 offer an Ivy medication to enhance you
NOTE Confidence: 0.919055483

00:26:51.802 --> 00:26:55.834 know bone strength and reduce bone loss.
NOTE Confidence: 0.919055483

00:26:55.840 --> 00:26:57.949 The alternative endocrine therapy
NOTE Confidence: 0.919055483

00:26:57.949 --> 00:26:59.026 is called tamoxifen.
NOTE Confidence: 0.919055483

00:26:59.026 --> 00:27:01.180 This can be offered to either
NOTE Confidence: 0.919055483

00:27:01.251 --> 00:27:03.046 pre or post menopausal women,
NOTE Confidence: 0.919055483

00:27:03.050 --> 00:27:05.350 but in studies comparing AROMATISSE
NOTE Confidence: 0.919055483

00:27:05.350 --> 00:27:07.650 inhibitors and tamoxifen is slightly
NOTE Confidence: 0.919055483

00:27:07.721 --> 00:27:10.277 less effective in post menopausal women.
NOTE Confidence: 0.919055483

00:27:10.280 --> 00:27:12.830 These pills can have similar hormonal
NOTE Confidence: 0.919055483

00:27:12.830 --> 00:27:15.669 like symptoms and also carry a small
NOTE Confidence: 0.919055483

00:27:15.669 --> 00:27:17.790 but increased risk of side effects
NOTE Confidence: 0.919055483

00:27:17.790 --> 00:27:20.240 such as blood clots and uterine cancer.
NOTE Confidence: 0.919055483

00:27:20.240 --> 00:27:23.464 So really this is a kind of personalized
NOTE Confidence: 0.919055483

00:27:23.464 --> 00:27:25.575 discussion with the oncologist and the
NOTE Confidence: 0.919055483

00:27:25.575 --> 00:27:27.820 patient to decide on endocrine therapy.

NOTE Confidence: 0.919055483

00:27:27.820 --> 00:27:30.081 But for this patient I would potentially

NOTE Confidence: 0.919055483

00:27:30.081 --> 00:27:32.527 discuss with her and aromat ACE inhibitor.

NOTE Confidence: 0.919055483

00:27:32.530 --> 00:27:33.710 And then, really, briefly,

NOTE Confidence: 0.919055483

00:27:33.710 --> 00:27:36.198 in terms of how long do we treat

NOTE Confidence: 0.919055483

00:27:36.198 --> 00:27:36.848 patients for,

NOTE Confidence: 0.919055483

00:27:36.850 --> 00:27:37.666 you know,

NOTE Confidence: 0.919055483

00:27:37.666 --> 00:27:40.522 our standard is at least five years,

NOTE Confidence: 0.919055483

00:27:40.530 --> 00:27:42.238 though there are studies,

NOTE Confidence: 0.919055483

00:27:42.238 --> 00:27:44.800 many studies that are looking at

NOTE Confidence: 0.919055483

00:27:44.878 --> 00:27:47.086 or have looked at extending this

NOTE Confidence: 0.919055483

00:27:47.086 --> 00:27:49.299 treatment to 7 to 10 years,

NOTE Confidence: 0.919055483

00:27:49.300 --> 00:27:53.650 and in general it's an area of controversy.

NOTE Confidence: 0.919055483

00:27:53.650 --> 00:27:54.512 You know,

NOTE Confidence: 0.919055483

00:27:54.512 --> 00:27:56.667 these studies generally show that

NOTE Confidence: 0.919055483

00:27:56.667 --> 00:27:59.329 there's a increased reduction in the

NOTE Confidence: 0.919055483

00:27:59.329 --> 00:28:01.927 risk of recurrence by extending therapy,
NOTE Confidence: 0.919055483

00:28:01.930 --> 00:28:02.814 but this?
NOTE Confidence: 0.919055483

00:28:02.814 --> 00:28:05.466 Benefit might be more significant in
NOTE Confidence: 0.919055483

00:28:05.466 --> 00:28:08.310 patients who have higher risk disease.
NOTE Confidence: 0.919055483

00:28:08.310 --> 00:28:10.260 And you know this includes patients
NOTE Confidence: 0.919055483

00:28:10.260 --> 00:28:12.820 with larger size or lymph node positive
NOTE Confidence: 0.919055483

00:28:12.820 --> 00:28:14.588 disease who we really might strongly
NOTE Confidence: 0.919055483

00:28:14.588 --> 00:28:17.380 feel to extend to 10 years for this
NOTE Confidence: 0.919055483

00:28:17.454 --> 00:28:20.317 patient with a small node negative tumor,
NOTE Confidence: 0.918608388823529

00:28:20.320 --> 00:28:21.760 it's an individualized decision.
NOTE Confidence: 0.918608388823529

00:28:21.760 --> 00:28:24.779 Depending on you know how well the patient's
NOTE Confidence: 0.918608388823529

00:28:24.779 --> 00:28:26.779 tolerating treatment at five years,
NOTE Confidence: 0.918608388823529

00:28:26.780 --> 00:28:28.220 and I will mention briefly,
NOTE Confidence: 0.918608388823529

00:28:28.220 --> 00:28:31.230 there is a test called the Breast
NOTE Confidence: 0.918608388823529

00:28:31.230 --> 00:28:34.400 Cancer Index that is also a gene
NOTE Confidence: 0.918608388823529

00:28:34.400 --> 00:28:36.188 expression assay similar in

NOTE Confidence: 0.918608388823529

00:28:36.188 --> 00:28:39.028 concept to the Oncotype DX score.

NOTE Confidence: 0.918608388823529

00:28:39.030 --> 00:28:43.592 Which can sometimes allow or help for

NOTE Confidence: 0.918608388823529

00:28:43.592 --> 00:28:46.356 patients who are on the fence predict

NOTE Confidence: 0.918608388823529

00:28:46.356 --> 00:28:48.492 you know the risk of recurrence

NOTE Confidence: 0.918608388823529

00:28:48.492 --> 00:28:51.007 in the years 5 to 10 after treat,

NOTE Confidence: 0.918608388823529

00:28:51.010 --> 00:28:53.224 you know the treatment and also

NOTE Confidence: 0.918608388823529

00:28:53.224 --> 00:28:54.700 predict benefit of extending

NOTE Confidence: 0.918608388823529

00:28:54.762 --> 00:28:56.676 treatment and so this is something

NOTE Confidence: 0.918608388823529

00:28:56.676 --> 00:28:59.130 that is not right for every patient,

NOTE Confidence: 0.918608388823529

00:28:59.130 --> 00:29:01.013 but is something that you know potentially

NOTE Confidence: 0.918608388823529

00:29:01.013 --> 00:29:02.669 might be right for this patient.

NOTE Confidence: 0.918608388823529

00:29:02.670 --> 00:29:04.721 If she's on the fence and continuing

NOTE Confidence: 0.918608388823529

00:29:04.721 --> 00:29:06.019 endocrine therapy at Year 5.

NOTE Confidence: 0.89585229

00:29:13.060 --> 00:29:13.909 OK, I think

NOTE Confidence: 0.891937321666667

00:29:13.920 --> 00:29:15.678 I'm up. My name is Kevin.

NOTE Confidence: 0.891937321666667

00:29:15.680 --> 00:29:18.620 Do I'm the radiation oncologist
NOTE Confidence: 0.891937321666667

00:29:18.620 --> 00:29:22.314 here at smilow cancer care centers
NOTE Confidence: 0.891937321666667

00:29:22.314 --> 00:29:25.980 in Trumbull and you know, I I.
NOTE Confidence: 0.891937321666667

00:29:25.980 --> 00:29:28.332 I actually really liked what Pam
NOTE Confidence: 0.891937321666667

00:29:28.332 --> 00:29:31.827 said up up at the beginning of this
NOTE Confidence: 0.891937321666667

00:29:31.827 --> 00:29:34.587 session about being a friend II.
NOTE Confidence: 0.891937321666667

00:29:34.590 --> 00:29:36.456 I think that.
NOTE Confidence: 0.891937321666667

00:29:36.456 --> 00:29:39.566 Really, the best thing about
NOTE Confidence: 0.891937321666667

00:29:39.570 --> 00:29:41.605 treating patients who are going
NOTE Confidence: 0.891937321666667

00:29:41.605 --> 00:29:44.426 through a difficult time it is is
NOTE Confidence: 0.891937321666667

00:29:44.426 --> 00:29:46.574 really trying to learn what the
NOTE Confidence: 0.891937321666667

00:29:46.574 --> 00:29:48.634 priorities are and what you hope
NOTE Confidence: 0.891937321666667

00:29:48.634 --> 00:29:50.847 for and and and really being there
NOTE Confidence: 0.891937321666667

00:29:50.847 --> 00:29:53.610 to to help you to try to get there.
NOTE Confidence: 0.891937321666667

00:29:53.610 --> 00:29:57.506 And I think that's exactly what friends do.
NOTE Confidence: 0.891937321666667

00:29:57.510 --> 00:29:59.813 So thank you for joining us here

NOTE Confidence: 0.891937321666667
00:29:59.813 --> 00:30:02.131 for all the attendings for joining
NOTE Confidence: 0.891937321666667
00:30:02.131 --> 00:30:04.627 us here and and joining us.
NOTE Confidence: 0.891937321666667
00:30:04.630 --> 00:30:05.904 The panelists.
NOTE Confidence: 0.891937321666667
00:30:05.904 --> 00:30:09.726 The radiation therapy is is used
NOTE Confidence: 0.891937321666667
00:30:09.726 --> 00:30:12.556 in combination with surgery in
NOTE Confidence: 0.891937321666667
00:30:12.556 --> 00:30:15.937 order to reduce the risk of the
NOTE Confidence: 0.891937321666667
00:30:16.043 --> 00:30:19.227 cancer returning after surgery.
NOTE Confidence: 0.891937321666667
00:30:19.230 --> 00:30:20.980 You know it's really enabled.
NOTE Confidence: 0.891937321666667
00:30:20.980 --> 00:30:23.026 What Doctor Lynch referred to earlier,
NOTE Confidence: 0.891937321666667
00:30:23.030 --> 00:30:25.090 which is a approach called
NOTE Confidence: 0.891937321666667
00:30:25.090 --> 00:30:26.326 breast conservation therapy.
NOTE Confidence: 0.891937321666667
00:30:26.330 --> 00:30:27.292 That is,
NOTE Confidence: 0.891937321666667
00:30:27.292 --> 00:30:30.178 instead of larger surgeries like mastectomy,
NOTE Confidence: 0.891937321666667
00:30:30.180 --> 00:30:33.730 enabling patients to preserve their
NOTE Confidence: 0.891937321666667
00:30:33.730 --> 00:30:39.661 breasts and to and to still maintain the
NOTE Confidence: 0.891937321666667

00:30:39.661 --> 00:30:42.667 same cure rates as larger surgeries.
NOTE Confidence: 0.891937321666667

00:30:42.670 --> 00:30:46.279 And so it's been really a big advance in
NOTE Confidence: 0.891937321666667

00:30:46.279 --> 00:30:50.077 terms of combination therapy between modern.
NOTE Confidence: 0.891937321666667

00:30:50.080 --> 00:30:51.614 Surgeries, chemotherapy,
NOTE Confidence: 0.891937321666667

00:30:51.614 --> 00:30:53.148 systemic therapies,
NOTE Confidence: 0.891937321666667

00:30:53.148 --> 00:30:56.216 and and radiation therapies,
NOTE Confidence: 0.891937321666667

00:30:56.220 --> 00:30:59.020 and that's been a huge advance in
NOTE Confidence: 0.891937321666667

00:30:59.020 --> 00:31:01.529 Breast Cancer Care in recent years.
NOTE Confidence: 0.891937321666667

00:31:01.530 --> 00:31:04.618 As as I'm showing here on this slide,
NOTE Confidence: 0.891937321666667

00:31:04.620 --> 00:31:07.188 you know we use radiation to reduce the
NOTE Confidence: 0.891937321666667

00:31:07.188 --> 00:31:10.287 risk of recurrence and to help cure cancer.
NOTE Confidence: 0.891937321666667

00:31:10.290 --> 00:31:11.589 But in addition,
NOTE Confidence: 0.891937321666667

00:31:11.589 --> 00:31:13.754 and very importantly for radiation
NOTE Confidence: 0.891937321666667

00:31:13.754 --> 00:31:16.517 treatment as well as all our treatments,
NOTE Confidence: 0.891937321666667

00:31:16.520 --> 00:31:18.592 we also want to reduce the risk
NOTE Confidence: 0.891937321666667

00:31:18.592 --> 00:31:20.489 of side effects from treatment,

NOTE Confidence: 0.891937321666667

00:31:20.490 --> 00:31:23.206 and so this is very important and

NOTE Confidence: 0.891937321666667

00:31:23.206 --> 00:31:27.288 in sort of my earlier comment about

NOTE Confidence: 0.891937321666667

00:31:27.288 --> 00:31:29.406 understanding patient priority,

NOTE Confidence: 0.891937321666667

00:31:29.410 --> 00:31:32.595 it's a very important thing to understand.

NOTE Confidence: 0.891937321666667

00:31:32.600 --> 00:31:34.772 You know the the priorities and

NOTE Confidence: 0.891937321666667

00:31:34.772 --> 00:31:37.272 and what a patient is is hoping

NOTE Confidence: 0.891937321666667

00:31:37.272 --> 00:31:39.554 for out of treatment and this is

NOTE Confidence: 0.891937321666667

00:31:39.627 --> 00:31:42.052 very important to tailor treatment

NOTE Confidence: 0.891937321666667

00:31:42.052 --> 00:31:45.040 around the relative benefits and the

NOTE Confidence: 0.891937321666667

00:31:45.040 --> 00:31:47.280 relative toxicities of treatment

NOTE Confidence: 0.891937321666667

00:31:47.280 --> 00:31:48.909 for radiation treatment.

NOTE Confidence: 0.891937321666667

00:31:48.909 --> 00:31:52.167 What we do typically is after

NOTE Confidence: 0.891937321666667

00:31:52.167 --> 00:31:55.167 surgery after a systemic therapies,

NOTE Confidence: 0.891937321666667

00:31:55.170 --> 00:31:58.831 we treat the breast with X rays

NOTE Confidence: 0.891937321666667

00:31:58.831 --> 00:32:02.889 and we use X rays to clean up.

NOTE Confidence: 0.891937321666667

00:32:02.890 --> 00:32:06.544 Any possible remaining cancer cells you know?

NOTE Confidence: 0.891937321666667

00:32:06.550 --> 00:32:08.986 Maybe just a few cells that no

NOTE Confidence: 0.891937321666667

00:32:08.986 --> 00:32:10.420 one can really see,

NOTE Confidence: 0.891937321666667

00:32:10.420 --> 00:32:13.836 but we use radiation to to clean

NOTE Confidence: 0.891937321666667

00:32:13.836 --> 00:32:17.784 up those cells and and what you're

NOTE Confidence: 0.891937321666667

00:32:17.784 --> 00:32:21.770 seeing here is is actually a patient

NOTE Confidence: 0.891937321666667

00:32:21.770 --> 00:32:24.410 with similar to the patient that

NOTE Confidence: 0.891937321666667

00:32:24.410 --> 00:32:27.252 Doctor Lynch presented with a left

NOTE Confidence: 0.891937321666667

00:32:27.252 --> 00:32:29.818 sided breast cancer and what we're

NOTE Confidence: 0.891937321666667

00:32:29.818 --> 00:32:33.239 looking at here is a CT scan of the.

NOTE Confidence: 0.891937321666667

00:32:33.240 --> 00:32:36.334 Patient laying down on my radiation table,

NOTE Confidence: 0.891937321666667

00:32:36.340 --> 00:32:38.902 my treatment table and we're looking

NOTE Confidence: 0.891937321666667

00:32:38.902 --> 00:32:42.448 at a CT scan where the patient is

NOTE Confidence: 0.891937321666667

00:32:42.448 --> 00:32:45.592 laying down on their back and we're

NOTE Confidence: 0.891937321666667

00:32:45.592 --> 00:32:48.208 looking from the feet up through

NOTE Confidence: 0.891937321666667

00:32:48.208 --> 00:32:52.300 to the head in kind of bread loaf

NOTE Confidence: 0.891937321666667

00:32:52.300 --> 00:32:55.128 slices and in the front at the top

NOTE Confidence: 0.891937321666667

00:32:55.128 --> 00:32:57.414 of this image are the patients

NOTE Confidence: 0.891937321666667

00:32:57.414 --> 00:33:00.291 breasts and on the back the patient

NOTE Confidence: 0.891937321666667

00:33:00.371 --> 00:33:02.975 spine and in the red contours the

NOTE Confidence: 0.89225912

00:33:02.980 --> 00:33:03.662 patient's heart.

NOTE Confidence: 0.89225912

00:33:03.662 --> 00:33:05.708 And these black areas to both

NOTE Confidence: 0.89225912

00:33:05.708 --> 00:33:07.878 sides of the heart or the lungs,

NOTE Confidence: 0.89225912

00:33:07.880 --> 00:33:09.530 just to kind of Orient you

NOTE Confidence: 0.89225912

00:33:09.530 --> 00:33:10.860 to what we're looking at.

NOTE Confidence: 0.89225912

00:33:10.860 --> 00:33:13.410 And you can see that close

NOTE Confidence: 0.89225912

00:33:13.410 --> 00:33:15.889 to the breasts on the on.

NOTE Confidence: 0.89225912

00:33:15.890 --> 00:33:19.386 This on the side of the left side,

NOTE Confidence: 0.89225912

00:33:19.390 --> 00:33:20.706 where the heart is.

NOTE Confidence: 0.89225912

00:33:20.706 --> 00:33:22.351 The breast is actually very

NOTE Confidence: 0.89225912

00:33:22.351 --> 00:33:24.417 close to the lungs and the heart,

NOTE Confidence: 0.89225912

00:33:24.420 --> 00:33:26.352 and these are very important things
NOTE Confidence: 0.89225912

00:33:26.352 --> 00:33:28.294 that we pay attention to when
NOTE Confidence: 0.89225912

00:33:28.294 --> 00:33:30.387 we're thinking about how to aim the
NOTE Confidence: 0.89225912

00:33:30.387 --> 00:33:32.050 radiation and things that we worry
NOTE Confidence: 0.89225912

00:33:32.050 --> 00:33:34.389 about when we worry about the side effects.
NOTE Confidence: 0.89225912

00:33:34.390 --> 00:33:34.836 Radiation,
NOTE Confidence: 0.89225912

00:33:34.836 --> 00:33:37.958 and there's some things that we can
NOTE Confidence: 0.89225912

00:33:37.958 --> 00:33:41.337 do that are very simple conceptually.
NOTE Confidence: 0.89225912

00:33:41.340 --> 00:33:42.400 You know, of course,
NOTE Confidence: 0.89225912

00:33:42.400 --> 00:33:44.664 we need to make sure that we execute
NOTE Confidence: 0.89225912

00:33:44.664 --> 00:33:46.553 them correctly in order to reduce
NOTE Confidence: 0.89225912

00:33:46.553 --> 00:33:48.368 the side effects of radiation.
NOTE Confidence: 0.89225912

00:33:48.370 --> 00:33:51.170 This is one technique where very simply,
NOTE Confidence: 0.89225912

00:33:51.170 --> 00:33:53.663 we ask the patient to take a deep breath
NOTE Confidence: 0.89225912

00:33:53.663 --> 00:33:55.800 when we treat them with radiation,
NOTE Confidence: 0.89225912

00:33:55.800 --> 00:33:58.810 and you can see that by taking a deep breath,

NOTE Confidence: 0.89225912

00:33:58.810 --> 00:34:00.610 your chest expands and during

NOTE Confidence: 0.89225912

00:34:00.610 --> 00:34:02.816 the breath hold here on the

NOTE Confidence: 0.89225912

00:34:02.816 --> 00:34:04.796 right hand side of the screen.

NOTE Confidence: 0.89225912

00:34:04.800 --> 00:34:07.293 You can see that and I had arrows here.

NOTE Confidence: 0.89225912

00:34:07.300 --> 00:34:07.792 I apologize,

NOTE Confidence: 0.89225912

00:34:07.792 --> 00:34:09.514 I don't know where the arrows went,

NOTE Confidence: 0.89225912

00:34:09.520 --> 00:34:12.184 but you can see in the space between

NOTE Confidence: 0.89225912

00:34:12.184 --> 00:34:14.418 the breast which is in pink and

NOTE Confidence: 0.89225912

00:34:14.418 --> 00:34:17.022 the heart which is in red that that

NOTE Confidence: 0.89225912

00:34:17.022 --> 00:34:19.104 black area the lung expands out

NOTE Confidence: 0.89225912

00:34:19.104 --> 00:34:21.380 and puts more space between the

NOTE Confidence: 0.89225912

00:34:21.380 --> 00:34:24.286 heart and the lungs and the breast

NOTE Confidence: 0.89225912

00:34:24.286 --> 00:34:26.546 where I'm aiming the radiation.

NOTE Confidence: 0.89225912

00:34:26.550 --> 00:34:29.486 And so this is this pink line is

NOTE Confidence: 0.89225912

00:34:29.486 --> 00:34:32.533 actually a an actual dose of radiation

NOTE Confidence: 0.89225912

00:34:32.533 --> 00:34:35.530 that I've delivered to a patient.
NOTE Confidence: 0.89225912

00:34:35.530 --> 00:34:37.408 And you can see that it
NOTE Confidence: 0.89225912

00:34:37.408 --> 00:34:39.070 very nicely avoids the lung.
NOTE Confidence: 0.89225912

00:34:39.070 --> 00:34:41.149 Maybe just a little bit of catching
NOTE Confidence: 0.89225912

00:34:41.149 --> 00:34:43.353 the lung here and in the in along
NOTE Confidence: 0.89225912

00:34:43.353 --> 00:34:45.643 the where you can see a little bit
NOTE Confidence: 0.89225912

00:34:45.643 --> 00:34:47.611 little black area encompassed by the
NOTE Confidence: 0.89225912

00:34:47.611 --> 00:34:50.880 pink and entirely avoids the heart.
NOTE Confidence: 0.89225912

00:34:50.880 --> 00:34:53.376 And so this is one technique that we
NOTE Confidence: 0.89225912

00:34:53.376 --> 00:34:56.425 can use to reduce the toxicities of
NOTE Confidence: 0.89225912

00:34:56.425 --> 00:34:59.270 radiation while still maintaining cure rates.
NOTE Confidence: 0.89225912

00:34:59.270 --> 00:35:01.710 Next slide.
NOTE Confidence: 0.89225912

00:35:01.710 --> 00:35:02.372 And then,
NOTE Confidence: 0.89225912

00:35:02.372 --> 00:35:02.703 uh,
NOTE Confidence: 0.89225912

00:35:02.703 --> 00:35:04.358 another technique that we use
NOTE Confidence: 0.89225912

00:35:04.358 --> 00:35:06.383 commonly to reduce side effects of

NOTE Confidence: 0.89225912

00:35:06.383 --> 00:35:08.333 radiation is to simply have the

NOTE Confidence: 0.89225912

00:35:08.397 --> 00:35:10.383 patient lay down on their stomachs

NOTE Confidence: 0.89225912

00:35:10.383 --> 00:35:12.436 instead of laying on their back.

NOTE Confidence: 0.89225912

00:35:12.436 --> 00:35:15.340 And you can see in the this is

NOTE Confidence: 0.89225912

00:35:15.430 --> 00:35:17.680 this pink foam board here,

NOTE Confidence: 0.89225912

00:35:17.680 --> 00:35:19.700 which which this patient where

NOTE Confidence: 0.89225912

00:35:19.700 --> 00:35:21.720 this simulated patient is laying

NOTE Confidence: 0.89225912

00:35:21.789 --> 00:35:23.985 on is is really a is is called a

NOTE Confidence: 0.89225912

00:35:23.985 --> 00:35:26.023 prone breast board and and there's

NOTE Confidence: 0.89225912

00:35:26.023 --> 00:35:28.133 an opening here where the breasts

NOTE Confidence: 0.89225912

00:35:28.133 --> 00:35:30.371 will fall into that opening and

NOTE Confidence: 0.89225912

00:35:30.371 --> 00:35:32.130 away from the patient.

NOTE Confidence: 0.89225912

00:35:32.130 --> 00:35:34.962 Body and you can see on the again

NOTE Confidence: 0.89225912

00:35:34.962 --> 00:35:37.971 on the right side of the screen

NOTE Confidence: 0.89225912

00:35:37.971 --> 00:35:40.684 where I have my radiation doses

NOTE Confidence: 0.89225912

00:35:40.684 --> 00:35:43.940 on a on again this CT scan that
NOTE Confidence: 0.89225912

00:35:43.940 --> 00:35:46.206 treating a patient supine really
NOTE Confidence: 0.89225912

00:35:46.206 --> 00:35:48.526 while we're treating the breast
NOTE Confidence: 0.89225912

00:35:48.526 --> 00:35:51.343 well really captures a lot of this
NOTE Confidence: 0.89225912

00:35:51.343 --> 00:35:53.889 black area the lung and we don't
NOTE Confidence: 0.89225912

00:35:53.889 --> 00:35:56.460 want that so and you can see that
NOTE Confidence: 0.89225912

00:35:56.460 --> 00:35:58.210 by simply repositioning the patient
NOTE Confidence: 0.89225912

00:35:58.210 --> 00:36:00.465 the breast falls away from the body
NOTE Confidence: 0.89225912

00:36:00.465 --> 00:36:03.040 and the lower panel away from the body and.
NOTE Confidence: 0.823771145714286

00:36:03.040 --> 00:36:05.944 And you can actually avoid entirely a long
NOTE Confidence: 0.823771145714286

00:36:05.944 --> 00:36:08.618 exposure by simple techniques like this.
NOTE Confidence: 0.823771145714286

00:36:08.620 --> 00:36:16.367 So next slide. So I traditionally or
NOTE Confidence: 0.823771145714286

00:36:16.367 --> 00:36:19.289 radiation therapy would be delivered by
NOTE Confidence: 0.823771145714286

00:36:19.289 --> 00:36:23.649 over six to seven weeks of daily radiation,
NOTE Confidence: 0.823771145714286

00:36:23.650 --> 00:36:26.530 and in recent probably the
NOTE Confidence: 0.823771145714286

00:36:26.530 --> 00:36:29.410 last ten years or so.

NOTE Confidence: 0.823771145714286
00:36:29.410 --> 00:36:32.110 Because of advances in radiation,
NOTE Confidence: 0.823771145714286
00:36:32.110 --> 00:36:34.510 how we deliver radiation better,
NOTE Confidence: 0.823771145714286
00:36:34.510 --> 00:36:37.710 improved techniques, improved technologies,
NOTE Confidence: 0.823771145714286
00:36:37.710 --> 00:36:41.710 improved understanding of breast cancer,
NOTE Confidence: 0.823771145714286
00:36:41.710 --> 00:36:45.861 biology that we've been able to actually
NOTE Confidence: 0.823771145714286
00:36:45.861 --> 00:36:48.930 shorten that down to, most commonly,
NOTE Confidence: 0.823771145714286
00:36:48.930 --> 00:36:52.010 four weeks of daily radiation each day.
NOTE Confidence: 0.823771145714286
00:36:52.010 --> 00:36:54.098 Each treatment of radiation is only
NOTE Confidence: 0.823771145714286
00:36:54.098 --> 00:36:57.230 about 10 minutes, but Even so with
NOTE Confidence: 0.823771145714286
00:36:57.230 --> 00:37:00.176 this reduction from 6-7 weeks to.
NOTE Confidence: 0.823771145714286
00:37:00.176 --> 00:37:01.988 Four weeks, you know every day
NOTE Confidence: 0.823771145714286
00:37:01.988 --> 00:37:03.320 when I talked to my patients,
NOTE Confidence: 0.823771145714286
00:37:03.320 --> 00:37:04.888 I can still tell that four weeks
NOTE Confidence: 0.823771145714286
00:37:04.888 --> 00:37:07.738 is a lot of visits for them and I
NOTE Confidence: 0.823771145714286
00:37:07.738 --> 00:37:11.686 in recent just the last few years
NOTE Confidence: 0.823771145714286

00:37:11.686 --> 00:37:15.515 there have been more of a data,
NOTE Confidence: 0.823771145714286

00:37:15.520 --> 00:37:19.230 more of a push, more clinical trial.
NOTE Confidence: 0.823771145714286

00:37:19.230 --> 00:37:22.398 Results which supports in fact perhaps
NOTE Confidence: 0.823771145714286

00:37:22.398 --> 00:37:24.990 even shorter treatments than that,
NOTE Confidence: 0.823771145714286

00:37:24.990 --> 00:37:27.878 potentially even as shortest,
NOTE Confidence: 0.823771145714286

00:37:27.878 --> 00:37:32.210 is 5 treatments for radiation treatments,
NOTE Confidence: 0.823771145714286

00:37:32.210 --> 00:37:36.098 and I think the discussion here that I
NOTE Confidence: 0.823771145714286

00:37:36.098 --> 00:37:39.507 have with my patients is that probably
NOTE Confidence: 0.823771145714286

00:37:39.507 --> 00:37:42.356 the most standard treatment is the rather
NOTE Confidence: 0.823771145714286

00:37:42.356 --> 00:37:44.847 lengthy four weeks of daily treatment.
NOTE Confidence: 0.823771145714286

00:37:44.850 --> 00:37:46.670 However, in selected patients,
NOTE Confidence: 0.823771145714286

00:37:46.670 --> 00:37:49.400 and if it's right for them.
NOTE Confidence: 0.823771145714286

00:37:49.400 --> 00:37:51.688 You know that, uh,
NOTE Confidence: 0.823771145714286

00:37:51.688 --> 00:37:53.976 potentially shorter courses of
NOTE Confidence: 0.823771145714286

00:37:53.976 --> 00:37:56.159 treatment would be appropriate
NOTE Confidence: 0.823771145714286

00:37:56.159 --> 00:37:58.997 and safe for them to choose,

NOTE Confidence: 0.823771145714286
00:37:59.000 --> 00:38:02.224 and I think the the point here is,
NOTE Confidence: 0.823771145714286
00:38:02.230 --> 00:38:03.500 as the slide alludes to,
NOTE Confidence: 0.823771145714286
00:38:03.500 --> 00:38:06.492 it's it's not a one size fits all
NOTE Confidence: 0.823771145714286
00:38:06.492 --> 00:38:09.371 approach for radiation and and a lot of
NOTE Confidence: 0.823771145714286
00:38:09.371 --> 00:38:13.060 it is really as just with the surgical
NOTE Confidence: 0.823771145714286
00:38:13.060 --> 00:38:15.296 approaches and the chemotherapy.
NOTE Confidence: 0.823771145714286
00:38:15.300 --> 00:38:17.000 The medical oncology approach is
NOTE Confidence: 0.823771145714286
00:38:17.000 --> 00:38:19.460 that it does depend a lot on the.
NOTE Confidence: 0.823771145714286
00:38:19.460 --> 00:38:21.029 Biology, you know,
NOTE Confidence: 0.823771145714286
00:38:21.029 --> 00:38:23.121 the discussion between all
NOTE Confidence: 0.823771145714286
00:38:23.121 --> 00:38:25.779 the folks on this panel,
NOTE Confidence: 0.823771145714286
00:38:25.780 --> 00:38:27.976 the medical oncologists surgeons in order
NOTE Confidence: 0.823771145714286
00:38:27.976 --> 00:38:30.800 to come up with a tailored approach.
NOTE Confidence: 0.823771145714286
00:38:30.800 --> 00:38:31.955 And most importantly,
NOTE Confidence: 0.823771145714286
00:38:31.955 --> 00:38:34.265 the patience and this again goes
NOTE Confidence: 0.823771145714286

00:38:34.265 --> 00:38:36.475 back to what I was first saying.
NOTE Confidence: 0.823771145714286

00:38:36.480 --> 00:38:38.136 Which is, you know,
NOTE Confidence: 0.823771145714286

00:38:38.136 --> 00:38:40.620 it is very important to understand
NOTE Confidence: 0.823771145714286

00:38:40.699 --> 00:38:42.769 what the patient hopes for,
NOTE Confidence: 0.823771145714286

00:38:42.770 --> 00:38:45.080 what they're looking for out of treatment,
NOTE Confidence: 0.823771145714286

00:38:45.080 --> 00:38:49.607 and to be able to help them meet those.
NOTE Confidence: 0.823771145714286

00:38:49.610 --> 00:38:51.719 What they need?
NOTE Confidence: 0.823771145714286

00:38:51.720 --> 00:38:54.252 So that's my take on the
NOTE Confidence: 0.823771145714286

00:38:54.252 --> 00:38:56.490 radiation and and you know,
NOTE Confidence: 0.823771145714286

00:38:56.490 --> 00:38:58.902 I think in terms of all
NOTE Confidence: 0.823771145714286

00:38:58.902 --> 00:39:00.108 these different approaches,
NOTE Confidence: 0.823771145714286

00:39:00.110 --> 00:39:01.972 probably the the four week regimen is
NOTE Confidence: 0.823771145714286

00:39:01.972 --> 00:39:04.259 what I would recommend for this patient.
NOTE Confidence: 0.79276471

00:39:08.070 --> 00:39:11.538 Great. Can go one more ahead.
NOTE Confidence: 0.79276471

00:39:11.540 --> 00:39:13.927 Will catch up to our next case.
NOTE Confidence: 0.79276471

00:39:13.930 --> 00:39:17.754 So in summary, this lady was treated with.

NOTE Confidence: 0.79276471

00:39:17.760 --> 00:39:19.689 Uncle plastic surgery.

NOTE Confidence: 0.79276471

00:39:19.689 --> 00:39:21.618 Sentinel node biopsy.

NOTE Confidence: 0.79276471

00:39:21.620 --> 00:39:23.740 She got pulled breast radiotherapy.

NOTE Confidence: 0.79276471

00:39:23.740 --> 00:39:26.638 She had an Oncotype test and then

NOTE Confidence: 0.79276471

00:39:26.638 --> 00:39:29.369 was treated with endocrine therapy

NOTE Confidence: 0.79276471

00:39:29.370 --> 00:39:33.360 with a high expectation of cure.

NOTE Confidence: 0.79276471

00:39:33.360 --> 00:39:34.629 Uhm? And then.

NOTE Confidence: 0.79276471

00:39:34.629 --> 00:39:38.650 We can move along to the next next case.

NOTE Confidence: 0.79276471

00:39:38.650 --> 00:39:41.410 We'll come back to survivorship at the end.

NOTE Confidence: 0.79276471

00:39:41.410 --> 00:39:43.842 So the second case is a young woman

NOTE Confidence: 0.79276471

00:39:43.842 --> 00:39:46.078 that she's 38 years old who presented

NOTE Confidence: 0.79276471

00:39:46.078 --> 00:39:48.421 with a mass that she identified on

NOTE Confidence: 0.79276471

00:39:48.421 --> 00:39:51.452 her own breast self exam and she

NOTE Confidence: 0.79276471

00:39:51.452 --> 00:39:55.148 had abnormal imaging and a biopsy.

NOTE Confidence: 0.79276471

00:39:55.150 --> 00:39:58.090 And her only medical history is

NOTE Confidence: 0.79276471

00:39:58.090 --> 00:40:01.770 anxiety and depression. Next slide.
NOTE Confidence: 0.79276471

00:40:01.770 --> 00:40:04.470 Her family history includes a paternal
NOTE Confidence: 0.79276471

00:40:04.470 --> 00:40:06.270 grandmother with breast cancer,
NOTE Confidence: 0.79276471

00:40:06.270 --> 00:40:09.420 Gran father with prostate cancer,
NOTE Confidence: 0.79276471

00:40:09.420 --> 00:40:11.250 and she had a palpable mass
NOTE Confidence: 0.79276471

00:40:11.250 --> 00:40:13.540 at the edge of the areola,
NOTE Confidence: 0.79276471

00:40:13.540 --> 00:40:15.548 the pigmented area the breast,
NOTE Confidence: 0.79276471

00:40:15.548 --> 00:40:18.172 but it wasn't pulling on the skin or
NOTE Confidence: 0.79276471

00:40:18.172 --> 00:40:22.436 the ***** and she had no lymph nodes.
NOTE Confidence: 0.79276471

00:40:22.440 --> 00:40:24.540 Next slide.
NOTE Confidence: 0.79276471

00:40:24.540 --> 00:40:26.717 So the mammogram is done with it.
NOTE Confidence: 0.79276471

00:40:26.720 --> 00:40:29.800 You can see the triangle on the skin there,
NOTE Confidence: 0.79276471

00:40:29.800 --> 00:40:32.222 that seems to overlie kind of can
NOTE Confidence: 0.79276471

00:40:32.222 --> 00:40:34.805 almost see a little triangle underneath
NOTE Confidence: 0.79276471

00:40:34.805 --> 00:40:38.228 there in the breast tissue next slide.
NOTE Confidence: 0.915330714666667

00:40:40.310 --> 00:40:43.382 And on ultrasound there was a small mass

NOTE Confidence: 0.915330714666667
00:40:43.382 --> 00:40:46.817 and then another another one right nearby.
NOTE Confidence: 0.915330714666667
00:40:46.820 --> 00:40:48.980 Neck and neck slide ****.
NOTE Confidence: 0.915330714666667
00:40:48.980 --> 00:40:50.304 Biopsy that showed that
NOTE Confidence: 0.915330714666667
00:40:50.304 --> 00:40:51.959 this was a breast cancer,
NOTE Confidence: 0.915330714666667
00:40:51.960 --> 00:40:53.370 but this was a different biology.
NOTE Confidence: 0.915330714666667
00:40:53.370 --> 00:40:56.240 Breast cancer. This was a higher grade.
NOTE Confidence: 0.915330714666667
00:40:56.240 --> 00:40:59.100 It was grade 3.
NOTE Confidence: 0.915330714666667
00:40:59.100 --> 00:41:02.700 And it was estrogen receptor negative.
NOTE Confidence: 0.915330714666667
00:41:02.700 --> 00:41:04.583 In fact, it was what we call
NOTE Confidence: 0.915330714666667
00:41:04.583 --> 00:41:05.820 triple negative breast cancer.
NOTE Confidence: 0.915330714666667
00:41:05.820 --> 00:41:08.669 There were no receptors that were
NOTE Confidence: 0.915330714666667
00:41:08.669 --> 00:41:10.643 found on the cell surface that
NOTE Confidence: 0.915330714666667
00:41:10.643 --> 00:41:13.493 regulating the cell growth and the Ki.
NOTE Confidence: 0.915330714666667
00:41:13.493 --> 00:41:16.379 67 shows that this is a.
NOTE Confidence: 0.915330714666667
00:41:16.380 --> 00:41:18.350 That's cancer where the cells
NOTE Confidence: 0.915330714666667

00:41:18.350 --> 00:41:19.926 are dividing very rapidly.
NOTE Confidence: 0.915330714666667

00:41:19.930 --> 00:41:22.060 Next slide.
NOTE Confidence: 0.915330714666667

00:41:22.060 --> 00:41:24.181 Breast MRI was done to make sure
NOTE Confidence: 0.915330714666667

00:41:24.181 --> 00:41:26.599 that there was no sign of disease
NOTE Confidence: 0.915330714666667

00:41:26.599 --> 00:41:29.860 elsewhere and you can see out.
NOTE Confidence: 0.915330714666667

00:41:29.860 --> 00:41:30.876 I see your question,
NOTE Confidence: 0.915330714666667

00:41:30.876 --> 00:41:32.400 I'll jump in in a minute.
NOTE Confidence: 0.915330714666667

00:41:32.400 --> 00:41:34.857 You can see the tumor there that lights up.
NOTE Confidence: 0.915330714666667

00:41:34.860 --> 00:41:36.232 It's kind of whitish and you can
NOTE Confidence: 0.915330714666667

00:41:36.232 --> 00:41:37.698 see the dark area in the middle,
NOTE Confidence: 0.915330714666667

00:41:37.700 --> 00:41:40.020 which is the biopsy clip.
NOTE Confidence: 0.915330714666667

00:41:40.020 --> 00:41:42.890 The other slide shows that this tumor
NOTE Confidence: 0.915330714666667

00:41:42.890 --> 00:41:45.579 is not close to the ***** though,
NOTE Confidence: 0.915330714666667

00:41:45.579 --> 00:41:47.074 even though it's near the
NOTE Confidence: 0.915330714666667

00:41:47.074 --> 00:41:48.270 center of the breast.
NOTE Confidence: 0.915330714666667

00:41:48.270 --> 00:41:50.502 The MRI is very helpful and

NOTE Confidence: 0.915330714666667
00:41:50.502 --> 00:41:52.510 very finely mapping the tumor.
NOTE Confidence: 0.915330714666667
00:41:52.510 --> 00:41:55.079 Extent which can help us in surgical
NOTE Confidence: 0.915330714666667
00:41:55.079 --> 00:41:57.196 planning down the road and I
NOTE Confidence: 0.915330714666667
00:41:57.196 --> 00:41:59.527 saw the question in the chat box
NOTE Confidence: 0.915330714666667
00:41:59.527 --> 00:42:01.987 about Grade 3 versus stage three,
NOTE Confidence: 0.915330714666667
00:42:01.990 --> 00:42:04.880 which is a great question.
NOTE Confidence: 0.915330714666667
00:42:04.880 --> 00:42:06.490 And you'll notice that we we talk
NOTE Confidence: 0.915330714666667
00:42:06.490 --> 00:42:07.788 about the stage quite a bit.
NOTE Confidence: 0.915330714666667
00:42:07.790 --> 00:42:09.560 In both of these cases,
NOTE Confidence: 0.915330714666667
00:42:09.560 --> 00:42:12.632 the stage of the cancer is
NOTE Confidence: 0.915330714666667
00:42:12.632 --> 00:42:15.300 determined by the tumor size,
NOTE Confidence: 0.915330714666667
00:42:15.300 --> 00:42:18.408 the involvement of local lymph nodes.
NOTE Confidence: 0.915330714666667
00:42:18.410 --> 00:42:21.630 Any sign of metastatic disease.
NOTE Confidence: 0.915330714666667
00:42:21.630 --> 00:42:24.129 And then we take into account the
NOTE Confidence: 0.915330714666667
00:42:24.130 --> 00:42:28.678 the receptors on the cell surface.
NOTE Confidence: 0.915330714666667

00:42:28.680 --> 00:42:32.432 The grade is how the cells look
NOTE Confidence: 0.915330714666667

00:42:32.432 --> 00:42:34.924 under the microscope and at
NOTE Confidence: 0.915330714666667

00:42:34.924 --> 00:42:37.134 how big are the nuclei.
NOTE Confidence: 0.915330714666667

00:42:37.140 --> 00:42:38.820 The middle of the cells,
NOTE Confidence: 0.915330714666667

00:42:38.820 --> 00:42:41.235 and how rapidly are the cells dividing?
NOTE Confidence: 0.915330714666667

00:42:41.240 --> 00:42:43.166 Do we see things like mitosis
NOTE Confidence: 0.915330714666667

00:42:43.166 --> 00:42:45.374 and how are the cells organized
NOTE Confidence: 0.915330714666667

00:42:45.374 --> 00:42:48.466 next to each other so the stage
NOTE Confidence: 0.915330714666667

00:42:48.466 --> 00:42:50.698 takes into account all of these
NOTE Confidence: 0.915330714666667

00:42:50.698 --> 00:42:53.027 factors and the grade is just how
NOTE Confidence: 0.915330714666667

00:42:53.027 --> 00:42:55.150 it looks under the microscope.
NOTE Confidence: 0.942407782857143

00:42:57.790 --> 00:42:59.946 Thanks for that question next next slide.
NOTE Confidence: 0.920969701875

00:43:07.660 --> 00:43:10.284 So this patient is still early stage cancer
NOTE Confidence: 0.920969701875

00:43:10.284 --> 00:43:12.838 like the other one was also stage one.
NOTE Confidence: 0.920969701875

00:43:12.840 --> 00:43:14.170 This is off stage one,
NOTE Confidence: 0.920969701875

00:43:14.170 --> 00:43:16.618 but it's a different tumor biology

NOTE Confidence: 0.920969701875

00:43:16.620 --> 00:43:20.076 and so she then was brought to tumor

NOTE Confidence: 0.920969701875

00:43:20.076 --> 00:43:23.347 board for discussion and the discussion

NOTE Confidence: 0.920969701875

00:43:23.347 --> 00:43:26.432 leaned towards chemotherapy as first

NOTE Confidence: 0.920969701875

00:43:26.432 --> 00:43:29.929 course of treatment next next slide.

NOTE Confidence: 0.920969701875

00:43:29.930 --> 00:43:30.800 Back to Pam.

NOTE Confidence: 0.920969701875

00:43:30.800 --> 00:43:33.620 So when we meet this type of a patient,

NOTE Confidence: 0.920969701875

00:43:33.620 --> 00:43:35.078 what are some of the issues

NOTE Confidence: 0.920969701875

00:43:35.078 --> 00:43:35.807 involved in navigation?

NOTE Confidence: 0.4789028

00:43:37.580 --> 00:43:40.326 So. Uhm, you know younger

NOTE Confidence: 0.4789028

00:43:40.326 --> 00:43:41.970 ladies have a little bit other

NOTE Confidence: 0.815762103809524

00:43:42.025 --> 00:43:43.603 issues going on as a little

NOTE Confidence: 0.815762103809524

00:43:43.603 --> 00:43:45.030 bit different than our other.

NOTE Confidence: 0.815762103809524

00:43:45.030 --> 00:43:48.060 Our first case, she may have

NOTE Confidence: 0.815762103809524

00:43:48.060 --> 00:43:50.850 issues with finances and working

NOTE Confidence: 0.815762103809524

00:43:50.850 --> 00:43:52.578 just like the other lady did,

NOTE Confidence: 0.815762103809524

00:43:52.580 --> 00:43:56.795 but but given her age we would talk
NOTE Confidence: 0.815762103809524

00:43:56.795 --> 00:43:59.064 to her about fertility preservation.
NOTE Confidence: 0.815762103809524

00:43:59.064 --> 00:44:01.506 If she's thinking about having more
NOTE Confidence: 0.815762103809524

00:44:01.506 --> 00:44:04.274 children in the future, and if she is,
NOTE Confidence: 0.815762103809524

00:44:04.274 --> 00:44:08.380 we would refer her to our interaction.
NOTE Confidence: 0.815762103809524

00:44:08.380 --> 00:44:09.745 Reproductive endocrinology clinic.
NOTE Confidence: 0.815762103809524

00:44:09.745 --> 00:44:12.475 We would also talk to her
NOTE Confidence: 0.815762103809524

00:44:12.475 --> 00:44:14.377 about if she has children.
NOTE Confidence: 0.815762103809524

00:44:14.380 --> 00:44:17.836 How do you tell your kids you have cancer
NOTE Confidence: 0.815762103809524

00:44:17.840 --> 00:44:20.344 and depending on the age of the child,
NOTE Confidence: 0.815762103809524

00:44:20.350 --> 00:44:22.010 we have different resources
NOTE Confidence: 0.815762103809524

00:44:22.010 --> 00:44:24.500 to help her to do that.
NOTE Confidence: 0.815762103809524

00:44:24.500 --> 00:44:26.916 But we also notice that this lady has
NOTE Confidence: 0.815762103809524

00:44:26.916 --> 00:44:29.260 a history of anxiety and depression.
NOTE Confidence: 0.815762103809524

00:44:29.260 --> 00:44:32.816 So while we're always assessing for that,
NOTE Confidence: 0.815762103809524

00:44:32.820 --> 00:44:34.340 we would really be keeping

NOTE Confidence: 0.815762103809524
00:44:34.340 --> 00:44:35.860 a close eye on her,
NOTE Confidence: 0.815762103809524
00:44:35.860 --> 00:44:38.060 making sure that her depression
NOTE Confidence: 0.815762103809524
00:44:38.060 --> 00:44:39.380 or her anxiety.
NOTE Confidence: 0.815762103809524
00:44:39.380 --> 00:44:42.124 Friday aren't a barrier to work here,
NOTE Confidence: 0.815762103809524
00:44:42.130 --> 00:44:45.026 and if her to Pressione was getting worse,
NOTE Confidence: 0.815762103809524
00:44:45.030 --> 00:44:47.214 we would make sure we would put the
NOTE Confidence: 0.815762103809524
00:44:47.214 --> 00:44:48.357 appropriate referrals in whether
NOTE Confidence: 0.815762103809524
00:44:48.357 --> 00:44:49.977 it be to social worker psychiatry,
NOTE Confidence: 0.815762103809524
00:44:49.980 --> 00:44:50.834 you know,
NOTE Confidence: 0.815762103809524
00:44:50.834 --> 00:44:54.250 we would also refer her to the psychologist.
NOTE Confidence: 0.815762103809524
00:44:54.250 --> 00:44:56.038 We also have different support groups.
NOTE Confidence: 0.815762103809524
00:44:56.040 --> 00:44:58.332 For younger ladies we have triple
NOTE Confidence: 0.815762103809524
00:44:58.332 --> 00:45:00.613 negative support groups and we also
NOTE Confidence: 0.815762103809524
00:45:00.613 --> 00:45:02.677 know that our percentage of our
NOTE Confidence: 0.815762103809524
00:45:02.677 --> 00:45:04.710 triple negative ladies do tend to
NOTE Confidence: 0.815762103809524

00:45:04.710 --> 00:45:06.624 be African American and there are
NOTE Confidence: 0.815762103809524

00:45:06.630 --> 00:45:09.040 support groups that are specific
NOTE Confidence: 0.815762103809524

00:45:09.040 --> 00:45:11.450 to African African American ladies.
NOTE Confidence: 0.815762103809524

00:45:11.450 --> 00:45:12.770 UM, so again,
NOTE Confidence: 0.815762103809524

00:45:12.770 --> 00:45:15.850 we would follow this woman very closely.
NOTE Confidence: 0.815762103809524

00:45:15.850 --> 00:45:18.587 We would meet with her with Doctor
NOTE Confidence: 0.815762103809524

00:45:18.587 --> 00:45:21.502 Fenn most likely in a multidisciplinary
NOTE Confidence: 0.815762103809524

00:45:21.502 --> 00:45:24.314 clinic and and just make sure she gets.
NOTE Confidence: 0.815762103809524

00:45:24.320 --> 00:45:24.968 To the right,
NOTE Confidence: 0.815762103809524

00:45:24.968 --> 00:45:27.430 doctors at the right time and meet
NOTE Confidence: 0.815762103809524

00:45:27.430 --> 00:45:28.970 any of her needs that may come
NOTE Confidence: 0.815762103809524

00:45:28.970 --> 00:45:30.540 up with both ladies would be.
NOTE Confidence: 0.815762103809524

00:45:30.540 --> 00:45:33.186 We would also be talking to them
NOTE Confidence: 0.815762103809524

00:45:33.186 --> 00:45:35.208 about sexuality and intimacy and
NOTE Confidence: 0.815762103809524

00:45:35.208 --> 00:45:37.650 how does breast cancer and the
NOTE Confidence: 0.815762103809524

00:45:37.650 --> 00:45:39.628 treatment of it affect them?

NOTE Confidence: 0.815762103809524
00:45:39.630 --> 00:45:43.940 Yeah, so next slide please, thank you.
NOTE Confidence: 0.815762103809524
00:45:43.940 --> 00:45:44.500 Alright,
NOTE Confidence: 0.906533574615384
00:45:44.510 --> 00:45:47.238 so I want to take us into considerations
NOTE Confidence: 0.906533574615384
00:45:47.238 --> 00:45:49.568 for this case and whether or not
NOTE Confidence: 0.906533574615384
00:45:49.568 --> 00:45:52.357 she has a high chance to have a
NOTE Confidence: 0.906533574615384
00:45:52.357 --> 00:45:54.287 hereditary cancer risk, and so first,
NOTE Confidence: 0.906533574615384
00:45:54.287 --> 00:45:56.100 let's start with the fact that she
NOTE Confidence: 0.906533574615384
00:45:56.162 --> 00:45:58.106 has a triple negative breast cancer,
NOTE Confidence: 0.906533574615384
00:45:58.110 --> 00:46:00.329 which is definitely a more rare type
NOTE Confidence: 0.906533574615384
00:46:00.329 --> 00:46:02.662 of breast cancer and can be more
NOTE Confidence: 0.906533574615384
00:46:02.662 --> 00:46:04.307 highly associated with genes that
NOTE Confidence: 0.906533574615384
00:46:04.307 --> 00:46:06.617 cause a hereditary breast cancer risk.
NOTE Confidence: 0.906533574615384
00:46:06.620 --> 00:46:10.004 And she's 38 so that alone are two factors,
NOTE Confidence: 0.906533574615384
00:46:10.010 --> 00:46:11.732 independent of any other factors in
NOTE Confidence: 0.906533574615384
00:46:11.732 --> 00:46:13.619 her family history that would qualify.
NOTE Confidence: 0.906533574615384

00:46:13.620 --> 00:46:15.772 Her for an evaluation and genetic testing,
NOTE Confidence: 0.906533574615384

00:46:15.772 --> 00:46:17.872 but she also has a family history
NOTE Confidence: 0.906533574615384

00:46:17.872 --> 00:46:19.780 of breast cancer in her grandmother.
NOTE Confidence: 0.906533574615384

00:46:19.780 --> 00:46:22.372 On her paternal side as well as prostate
NOTE Confidence: 0.906533574615384

00:46:22.372 --> 00:46:26.430 cancer. In her Gran father next.
NOTE Confidence: 0.906533574615384

00:46:26.430 --> 00:46:29.502 And with triple negative cancers in
NOTE Confidence: 0.906533574615384

00:46:29.502 --> 00:46:32.687 particular, as much as 20% of these women,
NOTE Confidence: 0.906533574615384

00:46:32.690 --> 00:46:34.925 regardless of family history will
NOTE Confidence: 0.906533574615384

00:46:34.925 --> 00:46:37.725 have a hereditary cause for that
NOTE Confidence: 0.906533574615384

00:46:37.725 --> 00:46:40.165 triple negative type breast cancer.
NOTE Confidence: 0.906533574615384

00:46:40.170 --> 00:46:43.019 So that is one reason which just
NOTE Confidence: 0.906533574615384

00:46:43.019 --> 00:46:45.428 within the last month or two,
NOTE Confidence: 0.906533574615384

00:46:45.430 --> 00:46:47.764 the NCCN guidelines have changed and
NOTE Confidence: 0.906533574615384

00:46:47.764 --> 00:46:50.253 now recommend that all women with
NOTE Confidence: 0.906533574615384

00:46:50.253 --> 00:46:52.418 triple negative type breast cancer,
NOTE Confidence: 0.906533574615384

00:46:52.420 --> 00:46:54.513 regardless of when they were diagnosed in

NOTE Confidence: 0.906533574615384
00:46:54.513 --> 00:46:56.510 regardless of what their family history.
NOTE Confidence: 0.906533574615384
00:46:56.510 --> 00:46:56.868 Right,
NOTE Confidence: 0.906533574615384
00:46:56.868 --> 00:46:58.658 look like should be referred
NOTE Confidence: 0.906533574615384
00:46:58.658 --> 00:47:00.090 and consider genetic testing,
NOTE Confidence: 0.906533574615384
00:47:00.090 --> 00:47:02.110 so that is certainly something
NOTE Confidence: 0.906533574615384
00:47:02.110 --> 00:47:04.599 that has changed based on our
NOTE Confidence: 0.906533574615384
00:47:04.599 --> 00:47:06.732 recognition of how high percentage
NOTE Confidence: 0.906533574615384
00:47:06.732 --> 00:47:10.029 of these women have a genetic cause.
NOTE Confidence: 0.906533574615384
00:47:10.030 --> 00:47:12.025 Next and so she would meet criteria
NOTE Confidence: 0.906533574615384
00:47:12.025 --> 00:47:13.577 and we would definitely recommend
NOTE Confidence: 0.906533574615384
00:47:13.577 --> 00:47:16.097 that she come and see us and and
NOTE Confidence: 0.906533574615384
00:47:16.161 --> 00:47:20.330 consider genetic testing next.
NOTE Confidence: 0.906533574615384
00:47:20.330 --> 00:47:22.670 And so in this particular case,
NOTE Confidence: 0.906533574615384
00:47:22.670 --> 00:47:24.425 my suspicion for a hereditary
NOTE Confidence: 0.906533574615384
00:47:24.425 --> 00:47:25.829 risk is really high,
NOTE Confidence: 0.906533574615384

00:47:25.830 --> 00:47:28.260 and so this patient undergoes genetic
NOTE Confidence: 0.906533574615384

00:47:28.260 --> 00:47:30.054 testing before she has surgery,
NOTE Confidence: 0.906533574615384

00:47:30.054 --> 00:47:30.746 let's say,
NOTE Confidence: 0.906533574615384

00:47:30.750 --> 00:47:34.629 and she's found to have a BRCA one mutation,
NOTE Confidence: 0.906533574615384

00:47:34.630 --> 00:47:37.249 which is just a fancy way of saying she
NOTE Confidence: 0.906533574615384

00:47:37.249 --> 00:47:39.887 has a genetic risk and BRCA one is the
NOTE Confidence: 0.906533574615384

00:47:39.887 --> 00:47:42.767 gene in which that defect was identified.
NOTE Confidence: 0.906533574615384

00:47:42.770 --> 00:47:45.605 And so for this woman who has this new
NOTE Confidence: 0.906533574615384

00:47:45.605 --> 00:47:48.288 diagnosis of a triple negative breast cancer,
NOTE Confidence: 0.906533574615384

00:47:48.290 --> 00:47:50.340 these genetic test results now.
NOTE Confidence: 0.906533574615384

00:47:50.340 --> 00:47:53.287 Tell us that she has an additional
NOTE Confidence: 0.906533574615384

00:47:53.287 --> 00:47:56.570 risk to get a new primary cancer,
NOTE Confidence: 0.906533574615384

00:47:56.570 --> 00:47:59.307 so separate then from this new triple
NOTE Confidence: 0.906533574615384

00:47:59.307 --> 00:48:01.124 negative breast cancer and that
NOTE Confidence: 0.906533574615384

00:48:01.124 --> 00:48:03.420 lifetime risk for her is 20 to 40%.
NOTE Confidence: 0.906533574615384

00:48:03.420 --> 00:48:05.820 To that, she'd get a second breast cancer.

NOTE Confidence: 0.906533574615384
00:48:05.820 --> 00:48:07.100 Given how young she is,
NOTE Confidence: 0.906533574615384
00:48:07.100 --> 00:48:08.660 she's probably on the higher
NOTE Confidence: 0.906533574615384
00:48:08.660 --> 00:48:10.220 end of that risk range,
NOTE Confidence: 0.906533574615384
00:48:10.220 --> 00:48:12.677 so maybe even closer to the 40% risk,
NOTE Confidence: 0.906533574615384
00:48:12.677 --> 00:48:14.896 and so her options based on this
NOTE Confidence: 0.906533574615384
00:48:14.896 --> 00:48:16.525 risk might include increased
NOTE Confidence: 0.906533574615384
00:48:16.525 --> 00:48:18.850 screening of remaining breast tissue
NOTE Confidence: 0.906533574615384
00:48:18.850 --> 00:48:20.900 depending on what surgical.
NOTE Confidence: 0.906533574615384
00:48:20.900 --> 00:48:23.908 Option is decided or she might meet with
NOTE Confidence: 0.906533574615384
00:48:23.908 --> 00:48:26.379 Doctor Lynch and the plastic surgeon
NOTE Confidence: 0.906533574615384
00:48:26.379 --> 00:48:29.102 that decide that the best approach is
NOTE Confidence: 0.906533574615384
00:48:29.102 --> 00:48:31.504 to undergo a bilateral mastectomy.
NOTE Confidence: 0.906533574615384
00:48:31.504 --> 00:48:33.728 We're removing both breasts,
NOTE Confidence: 0.906533574615384
00:48:33.730 --> 00:48:35.739 and I'm including the cancer that's there,
NOTE Confidence: 0.906533574615384
00:48:35.740 --> 00:48:37.696 removing the rest of the healthy
NOTE Confidence: 0.906533574615384

00:48:37.696 --> 00:48:39.669 breast tissue to reduce as much
NOTE Confidence: 0.906533574615384

00:48:39.669 --> 00:48:41.487 as possible that risk for the
NOTE Confidence: 0.906533574615384

00:48:41.487 --> 00:48:42.970 second primary breast cancer.
NOTE Confidence: 0.906533574615384

00:48:42.970 --> 00:48:45.310 Now BRCA one is also associated
NOTE Confidence: 0.906533574615384

00:48:45.310 --> 00:48:46.480 with ovarian cancer,
NOTE Confidence: 0.906533574615384

00:48:46.480 --> 00:48:48.335 and that risk ranges between
NOTE Confidence: 0.906533574615384

00:48:48.335 --> 00:48:50.179 a 40 to 60% chance.
NOTE Confidence: 0.906533574615384

00:48:50.179 --> 00:48:53.410 The hard part is is that there's no effective
NOTE Confidence: 0.890949718421053

00:48:53.481 --> 00:48:55.137 screening to identify ovarian
NOTE Confidence: 0.890949718421053

00:48:55.137 --> 00:48:57.207 cancer at an early stage,
NOTE Confidence: 0.890949718421053

00:48:57.210 --> 00:48:58.974 meaning we caught it where we
NOTE Confidence: 0.890949718421053

00:48:58.974 --> 00:49:01.184 can easily treat it and have long
NOTE Confidence: 0.890949718421053

00:49:01.184 --> 00:49:02.799 term survival for that woman.
NOTE Confidence: 0.890949718421053

00:49:02.800 --> 00:49:05.768 And so in the absence of effective
NOTE Confidence: 0.890949718421053

00:49:05.768 --> 00:49:07.040 ovarian cancer screening,
NOTE Confidence: 0.890949718421053

00:49:07.040 --> 00:49:09.728 we strongly encourage and recommend that

NOTE Confidence: 0.890949718421053

00:49:09.728 --> 00:49:13.160 women with a BRCA 1 mutation elect to

NOTE Confidence: 0.890949718421053

00:49:13.160 --> 00:49:15.890 have their ovaries and both of their

NOTE Confidence: 0.890949718421053

00:49:15.890 --> 00:49:17.685 fallopian tubes surgically removed

NOTE Confidence: 0.890949718421053

00:49:17.685 --> 00:49:21.330 between the ages of 35 to 40 or whenever.

NOTE Confidence: 0.890949718421053

00:49:21.330 --> 00:49:23.868 They're done with their family planning,

NOTE Confidence: 0.890949718421053

00:49:23.870 --> 00:49:26.376 and so certainly the breast cancer diagnosis

NOTE Confidence: 0.890949718421053

00:49:26.376 --> 00:49:28.772 is first and foremost in our priority

NOTE Confidence: 0.890949718421053

00:49:28.772 --> 00:49:31.349 and her care right now at this time.

NOTE Confidence: 0.890949718421053

00:49:31.350 --> 00:49:33.150 But this is information for future

NOTE Confidence: 0.890949718421053

00:49:33.150 --> 00:49:35.298 planning for us to think about after

NOTE Confidence: 0.890949718421053

00:49:35.298 --> 00:49:37.363 we get her through this stage that

NOTE Confidence: 0.890949718421053

00:49:37.420 --> 00:49:39.190 ovarian cancer risk is the next

NOTE Confidence: 0.890949718421053

00:49:39.190 --> 00:49:41.822 thing that we should be focusing our

NOTE Confidence: 0.890949718421053

00:49:41.822 --> 00:49:44.650 attention on and then with BRCA one,

NOTE Confidence: 0.890949718421053

00:49:44.650 --> 00:49:47.332 you can see a less than 5% risk

NOTE Confidence: 0.890949718421053

00:49:47.332 --> 00:49:49.376 for individuals to die.
NOTE Confidence: 0.890949718421053

00:49:49.380 --> 00:49:51.390 Be diagnosed with pancreatic cancer.
NOTE Confidence: 0.890949718421053

00:49:51.390 --> 00:49:52.722 In their lifetime,
NOTE Confidence: 0.890949718421053

00:49:52.722 --> 00:49:55.386 although it's still rather low in
NOTE Confidence: 0.890949718421053

00:49:55.386 --> 00:49:57.504 almost individuals with the BRCA
NOTE Confidence: 0.890949718421053

00:49:57.504 --> 00:50:00.952 one mutation will not go on to be
NOTE Confidence: 0.890949718421053

00:50:00.952 --> 00:50:02.908 diagnosed with pancreatic cancer,
NOTE Confidence: 0.890949718421053

00:50:02.910 --> 00:50:04.910 and so pancreatic cancer screening
NOTE Confidence: 0.890949718421053

00:50:04.910 --> 00:50:07.606 has its limitations. It has its risks.
NOTE Confidence: 0.890949718421053

00:50:07.606 --> 00:50:09.850 We're still trying to prove benefit,
NOTE Confidence: 0.890949718421053

00:50:09.850 --> 00:50:12.472 and so we really reserve pancreatic
NOTE Confidence: 0.890949718421053

00:50:12.472 --> 00:50:13.346 cancer screening.
NOTE Confidence: 0.890949718421053

00:50:13.350 --> 00:50:15.863 Individuals who have a BRCA one mutation
NOTE Confidence: 0.890949718421053

00:50:15.863 --> 00:50:18.451 but who also have a family history
NOTE Confidence: 0.890949718421053

00:50:18.451 --> 00:50:21.290 of pancreatic cancer in a close relative.
NOTE Confidence: 0.890949718421053

00:50:21.290 --> 00:50:22.330 So in this case.

NOTE Confidence: 0.890949718421053

00:50:22.330 --> 00:50:24.418 Since she did not have a family

NOTE Confidence: 0.890949718421053

00:50:24.418 --> 00:50:26.246 history of pancreatic cancer,

NOTE Confidence: 0.890949718421053

00:50:26.250 --> 00:50:28.385 we would not strongly encourage

NOTE Confidence: 0.890949718421053

00:50:28.385 --> 00:50:29.666 consideration of pancreatic

NOTE Confidence: 0.890949718421053

00:50:29.666 --> 00:50:31.248 cancer screening in her case.

NOTE Confidence: 0.9414461

00:50:35.570 --> 00:50:36.840 And next slide for the next.

NOTE Confidence: 0.9059448625

00:50:39.050 --> 00:50:42.528 So this is someone who in medical

NOTE Confidence: 0.9059448625

00:50:42.530 --> 00:50:44.066 oncology I would meet, you know,

NOTE Confidence: 0.9059448625

00:50:44.070 --> 00:50:45.700 before surgery and with an

NOTE Confidence: 0.9059448625

00:50:45.700 --> 00:50:47.970 eye on time I'll go through.

NOTE Confidence: 0.9059448625

00:50:47.970 --> 00:50:50.316 You know how we treat systemically

NOTE Confidence: 0.9059448625

00:50:50.316 --> 00:50:51.880 triple negative breast cancer

NOTE Confidence: 0.9059448625

00:50:51.941 --> 00:50:53.586 and our thoughts about you.

NOTE Confidence: 0.9059448625

00:50:53.590 --> 00:50:56.378 Know timing of chemotherapy?

NOTE Confidence: 0.9059448625

00:50:56.380 --> 00:50:58.902 So as we had mentioned, you know,

NOTE Confidence: 0.9059448625

00:50:58.902 --> 00:51:00.507 triple negative breast cancer is
NOTE Confidence: 0.9059448625

00:51:00.507 --> 00:51:02.667 a subtype of breast cancer that
NOTE Confidence: 0.9059448625

00:51:02.667 --> 00:51:04.562 can have a particularly aggressive
NOTE Confidence: 0.9059448625

00:51:04.562 --> 00:51:06.735 biology and have a propensity to
NOTE Confidence: 0.9059448625

00:51:06.735 --> 00:51:08.763 spread elsewhere in the body quickly.
NOTE Confidence: 0.9059448625

00:51:08.770 --> 00:51:12.180 So this is something a diagnosis
NOTE Confidence: 0.9059448625

00:51:12.180 --> 00:51:14.440 where unfortunately because it's not
NOTE Confidence: 0.9059448625

00:51:14.440 --> 00:51:16.248 expressing the estrogen receptors
NOTE Confidence: 0.9059448625

00:51:16.248 --> 00:51:18.759 or another protein called her two,
NOTE Confidence: 0.9059448625

00:51:18.760 --> 00:51:20.815 we don't have traditionally targeted
NOTE Confidence: 0.9059448625

00:51:20.815 --> 00:51:23.254 therapy such as under current therapy
NOTE Confidence: 0.9059448625

00:51:23.254 --> 00:51:26.118 that I mentioned in the last case to to.
NOTE Confidence: 0.9059448625

00:51:26.118 --> 00:51:27.688 Treat these patients with and.
NOTE Confidence: 0.9059448625

00:51:27.690 --> 00:51:29.965 So what we think of as traditional,
NOTE Confidence: 0.9059448625

00:51:29.970 --> 00:51:31.678 quote, unquote, cytotoxic chemotherapy.
NOTE Confidence: 0.9059448625

00:51:31.678 --> 00:51:33.813 So traditional Ivy chemotherapy is

NOTE Confidence: 0.9059448625

00:51:33.813 --> 00:51:35.726 really the mainstay of systemic

NOTE Confidence: 0.9059448625

00:51:35.726 --> 00:51:37.158 treatment for triple negative

NOTE Confidence: 0.9059448625

00:51:37.158 --> 00:51:39.217 breast cancer and the vast majority

NOTE Confidence: 0.9059448625

00:51:39.217 --> 00:51:40.822 of patients with triple negative

NOTE Confidence: 0.9059448625

00:51:40.822 --> 00:51:43.074 breast cancer will need chemotherapy

NOTE Confidence: 0.9059448625

00:51:43.074 --> 00:51:45.479 as part of their treatment.

NOTE Confidence: 0.9059448625

00:51:45.480 --> 00:51:47.472 When we know that someone is

NOTE Confidence: 0.9059448625

00:51:47.472 --> 00:51:48.800 going to need chemotherapy,

NOTE Confidence: 0.9059448625

00:51:48.800 --> 00:51:51.184 you know we think about whether they would

NOTE Confidence: 0.9059448625

00:51:51.184 --> 00:51:53.358 benefit from chemotherapy before surgery,

NOTE Confidence: 0.9059448625

00:51:53.360 --> 00:51:55.920 which is called neoadjuvant therapy

NOTE Confidence: 0.9059448625

00:51:55.920 --> 00:51:59.166 versus going to surgery first and

NOTE Confidence: 0.9059448625

00:51:59.166 --> 00:52:00.789 doing chemotherapy afterwards.

NOTE Confidence: 0.9059448625

00:52:00.790 --> 00:52:02.725 But for patients with triple

NOTE Confidence: 0.9059448625

00:52:02.725 --> 00:52:03.886 negative breast cancer,

NOTE Confidence: 0.9059448625

00:52:03.890 --> 00:52:07.298 there are particular advantages of giving
NOTE Confidence: 0.9059448625

00:52:07.298 --> 00:52:10.290 chemotherapy upfront prior to surgery,
NOTE Confidence: 0.9059448625

00:52:10.290 --> 00:52:12.066 so these advantages include
NOTE Confidence: 0.9059448625

00:52:12.066 --> 00:52:13.398 for certain patients,
NOTE Confidence: 0.9059448625

00:52:13.400 --> 00:52:15.044 especially those who have
NOTE Confidence: 0.9059448625

00:52:15.044 --> 00:52:16.277 more advanced tumors.
NOTE Confidence: 0.9059448625

00:52:16.280 --> 00:52:18.548 We can shrink the tumor with
NOTE Confidence: 0.9059448625

00:52:18.548 --> 00:52:21.116 chemotherapy and may allow for less
NOTE Confidence: 0.9059448625

00:52:21.116 --> 00:52:23.072 extensive surgery and improved
NOTE Confidence: 0.9059448625

00:52:23.072 --> 00:52:25.028 surgical and cosmetic outcomes.
NOTE Confidence: 0.9059448625

00:52:25.030 --> 00:52:27.136 But from my perspective in medical
NOTE Confidence: 0.9059448625

00:52:27.136 --> 00:52:28.868 oncology and more relevant to
NOTE Confidence: 0.9059448625

00:52:28.868 --> 00:52:30.758 this case in this woman who has
NOTE Confidence: 0.9059448625

00:52:30.758 --> 00:52:32.050 a relatively small tumor.
NOTE Confidence: 0.9059448625

00:52:32.050 --> 00:52:34.280 Is that giving chemotherapy before
NOTE Confidence: 0.9059448625

00:52:34.280 --> 00:52:37.418 surgery allows us to assess the response

NOTE Confidence: 0.9059448625

00:52:37.418 --> 00:52:40.330 to chemotherapy at the time of surgery?

NOTE Confidence: 0.9059448625

00:52:40.330 --> 00:52:40.990 You know,

NOTE Confidence: 0.9059448625

00:52:40.990 --> 00:52:42.970 we know a proportion of patients

NOTE Confidence: 0.9059448625

00:52:42.970 --> 00:52:45.471 will have what we call a pathologic

NOTE Confidence: 0.9059448625

00:52:45.471 --> 00:52:47.666 complete response or no active viable

NOTE Confidence: 0.9059448625

00:52:47.666 --> 00:52:49.760 cancer cells in the pathology tissue

NOTE Confidence: 0.9059448625

00:52:49.760 --> 00:52:52.474 at the time of surgery and those

NOTE Confidence: 0.9059448625

00:52:52.474 --> 00:52:54.970 patients you know generally have a

NOTE Confidence: 0.9059448625

00:52:55.050 --> 00:52:57.982 good prognosis for patients who have

NOTE Confidence: 0.9059448625

00:52:57.982 --> 00:53:00.322 residual disease or active tumor

NOTE Confidence: 0.9059448625

00:53:00.322 --> 00:53:03.279 still leftover after preoperative

NOTE Confidence: 0.9059448625

00:53:03.279 --> 00:53:04.080 chemotherapy.

NOTE Confidence: 0.9059448625

00:53:04.080 --> 00:53:06.366 We know those patients may benefit

NOTE Confidence: 0.9059448625

00:53:06.366 --> 00:53:08.430 from additional therapy after surgery,

NOTE Confidence: 0.9059448625

00:53:08.430 --> 00:53:10.908 but we wouldn't be able to identify

NOTE Confidence: 0.9059448625

00:53:10.908 --> 00:53:13.223 those patients unless we gave the
NOTE Confidence: 0.9059448625

00:53:13.223 --> 00:53:15.587 chemotherapy upfront and assess the response.
NOTE Confidence: 0.9059448625

00:53:15.590 --> 00:53:15.940 So
NOTE Confidence: 0.9093437225

00:53:15.950 --> 00:53:17.355 when we think about who
NOTE Confidence: 0.9093437225

00:53:17.355 --> 00:53:18.198 should receive neoadjuvant
NOTE Confidence: 0.94533808

00:53:18.210 --> 00:53:19.398 chemotherapy for triple
NOTE Confidence: 0.94533808

00:53:19.398 --> 00:53:20.586 negative breast cancer,
NOTE Confidence: 0.94533808

00:53:20.590 --> 00:53:22.851 certainly this is the standard of care
NOTE Confidence: 0.94533808

00:53:22.851 --> 00:53:24.829 for more advanced early stage breast
NOTE Confidence: 0.94533808

00:53:24.829 --> 00:53:27.048 cancers such as stage two and three.
NOTE Confidence: 0.94533808

00:53:27.050 --> 00:53:28.808 But we we know, you know,
NOTE Confidence: 0.94533808

00:53:28.810 --> 00:53:30.628 patients are going to need chemotherapy.
NOTE Confidence: 0.94533808

00:53:30.630 --> 00:53:32.840 We will certainly consider it
NOTE Confidence: 0.94533808

00:53:32.840 --> 00:53:34.608 preoperatively for patients who
NOTE Confidence: 0.94533808

00:53:34.608 --> 00:53:36.729 have slightly smaller tumors,
NOTE Confidence: 0.94533808

00:53:36.730 --> 00:53:38.272 including this patient who has a

NOTE Confidence: 0.94533808

00:53:38.272 --> 00:53:40.120 tumor between one and two centimeters.

NOTE Confidence: 0.94533808

00:53:40.120 --> 00:53:41.450 Certainly, you know she's young.

NOTE Confidence: 0.94533808

00:53:41.450 --> 00:53:43.158 She has aggressive biology,

NOTE Confidence: 0.94533808

00:53:43.158 --> 00:53:45.872 she's a candidate for chemotherapy, I would.

NOTE Confidence: 0.94533808

00:53:45.872 --> 00:53:47.588 Advocate for her to receive chemotherapy

NOTE Confidence: 0.94533808

00:53:47.590 --> 00:53:49.806 before surgery so we can assess response

NOTE Confidence: 0.94533808

00:53:49.806 --> 00:53:52.770 and in my next I'll explain you know,

NOTE Confidence: 0.94533808

00:53:52.770 --> 00:53:54.876 potential options for her after chemotherapy.

NOTE Confidence: 0.94533808

00:53:54.880 --> 00:53:57.046 If she doesn't have the optimal

NOTE Confidence: 0.94533808

00:53:57.046 --> 00:53:59.750 response at the time of surgery.

NOTE Confidence: 0.94533808

00:53:59.750 --> 00:54:06.084 And so when we think of postoperative

NOTE Confidence: 0.94533808

00:54:06.084 --> 00:54:08.900 therapies for residual disease

NOTE Confidence: 0.94533808

00:54:09.010 --> 00:54:12.418 after neoadjuvant chemotherapy.

NOTE Confidence: 0.94533808

00:54:12.420 --> 00:54:13.276 You know,

NOTE Confidence: 0.94533808

00:54:13.276 --> 00:54:16.272 I wanted to mention you know two

NOTE Confidence: 0.94533808

00:54:16.272 --> 00:54:18.678 options just to make aware of,
NOTE Confidence: 0.94533808

00:54:18.680 --> 00:54:19.192 you know,
NOTE Confidence: 0.94533808

00:54:19.192 --> 00:54:20.728 options that would be available to
NOTE Confidence: 0.94533808

00:54:20.728 --> 00:54:22.529 her if she did have a suboptimal
NOTE Confidence: 0.94533808

00:54:22.529 --> 00:54:24.220 response at the time of surgery.
NOTE Confidence: 0.94533808

00:54:24.220 --> 00:54:26.775 This concludes briefly at oral
NOTE Confidence: 0.94533808

00:54:26.775 --> 00:54:28.308 chemotherapy called Xeloda,
NOTE Confidence: 0.94533808

00:54:28.310 --> 00:54:30.285 which we know improves disease
NOTE Confidence: 0.94533808

00:54:30.285 --> 00:54:31.865 free and overall survival,
NOTE Confidence: 0.94533808

00:54:31.870 --> 00:54:33.594 and triple negative patients
NOTE Confidence: 0.94533808

00:54:33.594 --> 00:54:34.887 with residual disease.
NOTE Confidence: 0.94533808

00:54:34.890 --> 00:54:36.686 But for her situation in particular,
NOTE Confidence: 0.94533808

00:54:36.686 --> 00:54:38.476 where she has a germline,
NOTE Confidence: 0.94533808

00:54:38.480 --> 00:54:40.905 BRCA one mutation that she
NOTE Confidence: 0.94533808

00:54:40.905 --> 00:54:43.330 inherited from her family members.
NOTE Confidence: 0.94533808

00:54:43.330 --> 00:54:45.652 There is a drug called Elapara

NOTE Confidence: 0.94533808

00:54:45.652 --> 00:54:47.200 or brand name Lynparza.

NOTE Confidence: 0.94533808

00:54:47.200 --> 00:54:50.336 That's when the class called apart inhibitor,

NOTE Confidence: 0.94533808

00:54:50.340 --> 00:54:52.164 which prevents general terms,

NOTE Confidence: 0.94533808

00:54:52.164 --> 00:54:53.988 prevents cancer cells from

NOTE Confidence: 0.94533808

00:54:53.988 --> 00:54:55.430 repairing DNA damage,

NOTE Confidence: 0.94533808

00:54:55.430 --> 00:54:57.920 leading to cell death and the

NOTE Confidence: 0.94533808

00:54:57.920 --> 00:54:59.580 patients with BRCA mutations

NOTE Confidence: 0.94533808

00:54:59.654 --> 00:55:01.730 are particularly susceptible.

NOTE Confidence: 0.94533808

00:55:01.730 --> 00:55:04.000 Their tumors are susceptible to

NOTE Confidence: 0.94533808

00:55:04.000 --> 00:55:06.626 this drug and so we have a recent

NOTE Confidence: 0.94533808

00:55:06.626 --> 00:55:08.975 study that came out just over this

NOTE Confidence: 0.94533808

00:55:08.975 --> 00:55:10.870 summer called the Olympia trial

NOTE Confidence: 0.94533808

00:55:10.870 --> 00:55:13.170 that notes that Advent elaborate

NOTE Confidence: 0.94533808

00:55:13.170 --> 00:55:15.075 can improve disease free survival.

NOTE Confidence: 0.94533808

00:55:15.075 --> 00:55:17.420 In patients with high risk early

NOTE Confidence: 0.94533808

00:55:17.420 --> 00:55:19.340 breast cancer and BRCA one mutation
NOTE Confidence: 0.94533808

00:55:19.340 --> 00:55:21.702 and so if she had residual disease
NOTE Confidence: 0.94533808

00:55:21.702 --> 00:55:23.372 at the time of surgery,
NOTE Confidence: 0.94533808

00:55:23.380 --> 00:55:25.844 she could potentially benefit from this drug,
NOTE Confidence: 0.94533808

00:55:25.850 --> 00:55:29.078 and that's pretty pretty new development.
NOTE Confidence: 0.94533808

00:55:29.080 --> 00:55:31.090 That's all. Say to preserve time.
NOTE Confidence: 0.830118412

00:55:32.080 --> 00:55:34.000 It's very exciting. Those changes.
NOTE Confidence: 0.830118412

00:55:34.000 --> 00:55:36.056 I mean, thinking about in the course of
NOTE Confidence: 0.830118412

00:55:36.056 --> 00:55:38.217 my career hub treatment of women with
NOTE Confidence: 0.830118412

00:55:38.217 --> 00:55:40.175 triple negative breast cancer has has
NOTE Confidence: 0.830118412

00:55:40.175 --> 00:55:41.832 improved is really, really thrilling.
NOTE Confidence: 0.830118412

00:55:41.832 --> 00:55:43.336 So this patient because
NOTE Confidence: 0.830118412

00:55:43.336 --> 00:55:45.520 she has a BRCA mutation.
NOTE Confidence: 0.830118412

00:55:45.520 --> 00:55:47.278 Elected to have a bilateral mastectomy.
NOTE Confidence: 0.830118412

00:55:47.280 --> 00:55:48.702 I just wanted to comment briefly
NOTE Confidence: 0.830118412

00:55:48.702 --> 00:55:49.914 on ***** sparing mastectomy

NOTE Confidence: 0.830118412

00:55:49.914 --> 00:55:52.116 which she is a candidate for.

NOTE Confidence: 0.830118412

00:55:52.120 --> 00:55:54.745 This is a technique for both

NOTE Confidence: 0.830118412

00:55:54.745 --> 00:55:57.595 treating breast cancer and for doing

NOTE Confidence: 0.830118412

00:55:57.595 --> 00:55:59.746 prophylactic surgeries and it allows

NOTE Confidence: 0.830118412

00:55:59.746 --> 00:56:02.042 us to preserve the entire skin of

NOTE Confidence: 0.830118412

00:56:02.042 --> 00:56:04.400 the breast including the *****.

NOTE Confidence: 0.830118412

00:56:04.400 --> 00:56:06.955 This picture which is from a research

NOTE Confidence: 0.830118412

00:56:06.955 --> 00:56:09.488 publication I think really gives a

NOTE Confidence: 0.830118412

00:56:09.488 --> 00:56:11.308 wonderful picture 'cause patients

NOTE Confidence: 0.830118412

00:56:11.308 --> 00:56:13.924 often don't understand how we do the

NOTE Confidence: 0.830118412

00:56:13.924 --> 00:56:15.840 operation through a very small incision.

NOTE Confidence: 0.830118412

00:56:15.840 --> 00:56:16.731 Underneath the breast,

NOTE Confidence: 0.830118412

00:56:16.731 --> 00:56:18.810 where we're able to remove all of

NOTE Confidence: 0.830118412

00:56:18.863 --> 00:56:20.453 the breast tissue and maintain all

NOTE Confidence: 0.830118412

00:56:20.453 --> 00:56:22.627 of the skin and provide exposure so

NOTE Confidence: 0.830118412

00:56:22.627 --> 00:56:24.354 the plastic surgeon, my partner,
NOTE Confidence: 0.830118412

00:56:24.354 --> 00:56:25.018 Dr Mastriani,
NOTE Confidence: 0.830118412

00:56:25.018 --> 00:56:27.758 who have done a few of these cases
NOTE Confidence: 0.830118412

00:56:27.758 --> 00:56:29.792 with can then place an implant
NOTE Confidence: 0.830118412

00:56:29.792 --> 00:56:32.650 or can even use the patient's own
NOTE Confidence: 0.830118412

00:56:32.650 --> 00:56:34.760 tissue to create a reconstruction.
NOTE Confidence: 0.830118412

00:56:34.760 --> 00:56:36.860 These really require the breasts
NOTE Confidence: 0.830118412

00:56:36.860 --> 00:56:38.540 can't be too large,
NOTE Confidence: 0.830118412

00:56:38.540 --> 00:56:40.122 so we have to choose the right
NOTE Confidence: 0.830118412

00:56:40.122 --> 00:56:41.639 patient for the right operation.
NOTE Confidence: 0.830118412

00:56:41.640 --> 00:56:43.542 And it's also better for patients
NOTE Confidence: 0.830118412

00:56:43.542 --> 00:56:45.820 that are not smokers next next slide.
NOTE Confidence: 0.900622558333333

00:56:50.260 --> 00:56:52.636 And the outcomes are safe and so there
NOTE Confidence: 0.900622558333333

00:56:52.636 --> 00:56:55.396 is both a registry and a large review
NOTE Confidence: 0.900622558333333

00:56:55.396 --> 00:56:57.229 of multiple studies with multiple
NOTE Confidence: 0.900622558333333

00:56:57.229 --> 00:56:59.437 patients that show that these are

NOTE Confidence: 0.900622558333333

00:56:59.437 --> 00:57:01.720 both safe from a surgical perspective

NOTE Confidence: 0.900622558333333

00:57:01.720 --> 00:57:03.670 and from a cancer perspective,

NOTE Confidence: 0.900622558333333

00:57:03.670 --> 00:57:06.352 and that we can still achieve a cure using

NOTE Confidence: 0.900622558333333

00:57:06.352 --> 00:57:08.698 these these new operations next slide.

NOTE Confidence: 0.64405635

00:57:11.280 --> 00:57:12.340 Doctor mastriani

NOTE Confidence: 0.9795118

00:57:15.610 --> 00:57:16.780 I forgot I was on mute.

NOTE Confidence: 0.91902468

00:57:18.920 --> 00:57:22.706 So in general, when we remove the the

NOTE Confidence: 0.91902468

00:57:22.706 --> 00:57:25.382 whole gland which you're left with is

NOTE Confidence: 0.91902468

00:57:25.382 --> 00:57:27.895 a skin skeleton or a shell basically.

NOTE Confidence: 0.91902468

00:57:27.900 --> 00:57:30.784 So we have two different options currently

NOTE Confidence: 0.91902468

00:57:30.784 --> 00:57:33.609 available to fill up that skin envelope.

NOTE Confidence: 0.91902468

00:57:33.610 --> 00:57:35.518 One is with using an implant,

NOTE Confidence: 0.91902468

00:57:35.520 --> 00:57:37.048 and that's something that

NOTE Confidence: 0.91902468

00:57:37.048 --> 00:57:38.194 we make synthetically.

NOTE Confidence: 0.91902468

00:57:38.200 --> 00:57:41.040 It is made of silicone.

NOTE Confidence: 0.91902468

00:57:41.040 --> 00:57:43.206 All of them have silicone shells.
NOTE Confidence: 0.91902468

00:57:43.210 --> 00:57:45.160 Some of them can be filled
NOTE Confidence: 0.91902468

00:57:45.160 --> 00:57:46.460 with silicone gel itself.
NOTE Confidence: 0.91902468

00:57:46.460 --> 00:57:49.020 Or they could also be filled with saline,
NOTE Confidence: 0.91902468

00:57:49.020 --> 00:57:50.700 but all of the shells have silicone
NOTE Confidence: 0.91902468

00:57:50.700 --> 00:57:52.239 on the outside and it's something
NOTE Confidence: 0.91902468

00:57:52.239 --> 00:57:54.024 that we've studied for the past 50
NOTE Confidence: 0.91902468

00:57:54.072 --> 00:57:55.654 years and we know that it's safe.
NOTE Confidence: 0.91902468

00:57:55.660 --> 00:57:58.018 The other option is that we can fill in
NOTE Confidence: 0.91902468

00:57:58.018 --> 00:58:00.437 your skin envelope with your own tissue,
NOTE Confidence: 0.91902468

00:58:00.440 --> 00:58:02.285 and this is not an implant you don't have
NOTE Confidence: 0.91902468

00:58:02.285 --> 00:58:04.396 to take any rejection medications for this,
NOTE Confidence: 0.91902468

00:58:04.400 --> 00:58:05.414 it's your body.
NOTE Confidence: 0.91902468

00:58:05.414 --> 00:58:07.442 It's going to feel the most
NOTE Confidence: 0.91902468

00:58:07.442 --> 00:58:08.749 natural next slide, please.
NOTE Confidence: 0.930570054

00:58:14.880 --> 00:58:16.040 The two different kinds of

NOTE Confidence: 0.930570054

00:58:16.040 --> 00:58:17.200 implants that we can do.

NOTE Confidence: 0.930570054

00:58:17.200 --> 00:58:19.108 You'll notice on that former slide,

NOTE Confidence: 0.930570054

00:58:19.110 --> 00:58:21.450 there was a one stage in a two stage.

NOTE Confidence: 0.930570054

00:58:21.450 --> 00:58:22.464 The two stages where I have

NOTE Confidence: 0.930570054

00:58:22.464 --> 00:58:23.889 to put in a tissue expander,

NOTE Confidence: 0.930570054

00:58:23.890 --> 00:58:25.970 which is the device you see on the

NOTE Confidence: 0.930570054

00:58:25.970 --> 00:58:28.150 left that is an inflatable expander.

NOTE Confidence: 0.930570054

00:58:28.150 --> 00:58:30.691 It allows me to add more volume

NOTE Confidence: 0.930570054

00:58:30.691 --> 00:58:33.507 or take it away as we need to.

NOTE Confidence: 0.930570054

00:58:33.510 --> 00:58:35.760 Based on how your wounds heal

NOTE Confidence: 0.930570054

00:58:35.760 --> 00:58:38.441 when we do remove most of the

NOTE Confidence: 0.930570054

00:58:38.441 --> 00:58:40.450 breast to removing about 80 to 90%

NOTE Confidence: 0.930570054

00:58:40.450 --> 00:58:41.864 of the blood flow to that skin.

NOTE Confidence: 0.930570054

00:58:41.870 --> 00:58:43.832 So I want to make sure that you heal

NOTE Confidence: 0.930570054

00:58:43.832 --> 00:58:47.770 well so this it I guess adjustable

NOTE Confidence: 0.930570054

00:58:47.770 --> 00:58:50.566 implant allows me to tailor make
NOTE Confidence: 0.930570054

00:58:50.566 --> 00:58:52.430 your reconstruction for you.
NOTE Confidence: 0.930570054

00:58:52.430 --> 00:58:54.670 It also gives you an opportunity to
NOTE Confidence: 0.930570054

00:58:54.670 --> 00:58:57.128 try on the size and you can walk
NOTE Confidence: 0.930570054

00:58:57.128 --> 00:58:59.673 around with that size in your body and
NOTE Confidence: 0.930570054

00:58:59.673 --> 00:59:01.960 decide if that's what you really like.
NOTE Confidence: 0.930570054

00:59:01.960 --> 00:59:03.886 Oftentimes and more and more often.
NOTE Confidence: 0.930570054

00:59:03.890 --> 00:59:05.786 We're able to go directly to the implant,
NOTE Confidence: 0.930570054

00:59:05.790 --> 00:59:08.454 which is what you see on the right.
NOTE Confidence: 0.930570054

00:59:08.460 --> 00:59:09.812 And as you'll notice,
NOTE Confidence: 0.930570054

00:59:09.812 --> 00:59:12.999 it's not a round sphere like a water balloon.
NOTE Confidence: 0.930570054

00:59:13.000 --> 00:59:15.478 We've also come along way as far
NOTE Confidence: 0.930570054

00:59:15.478 --> 00:59:17.352 as implant technology to make it
NOTE Confidence: 0.930570054

00:59:17.352 --> 00:59:19.718 more breast shaped and to help it
NOTE Confidence: 0.930570054

00:59:19.718 --> 00:59:22.225 move more fluidly with you and to
NOTE Confidence: 0.930570054

00:59:22.225 --> 00:59:24.259 feel more natural under the skin.

NOTE Confidence: 0.930570054

00:59:24.260 --> 00:59:26.410 Next slide.

NOTE Confidence: 0.930570054

00:59:26.410 --> 00:59:27.196 And then finally,

NOTE Confidence: 0.930570054

00:59:27.196 --> 00:59:28.768 I just wanted to talk briefly

NOTE Confidence: 0.930570054

00:59:28.768 --> 00:59:30.080 about using your own skin.

NOTE Confidence: 0.930570054

00:59:30.080 --> 00:59:31.910 This is probably the OR your

NOTE Confidence: 0.930570054

00:59:31.910 --> 00:59:33.130 own tissue to reconstruct.

NOTE Confidence: 0.930570054

00:59:33.130 --> 00:59:35.188 This is probably the most popular option,

NOTE Confidence: 0.930570054

00:59:35.190 --> 00:59:37.370 and it's been around for more than a decade,

NOTE Confidence: 0.930570054

00:59:37.370 --> 00:59:39.561 but we are now becoming more facile

NOTE Confidence: 0.930570054

00:59:39.561 --> 00:59:42.200 and and it's becoming more mainstream.

NOTE Confidence: 0.930570054

00:59:42.200 --> 00:59:43.958 More people are training to do

NOTE Confidence: 0.930570054

00:59:43.958 --> 00:59:45.130 this kind of procedure.

NOTE Confidence: 0.930570054

00:59:45.130 --> 00:59:46.708 It is a bit more involved.

NOTE Confidence: 0.930570054

00:59:46.710 --> 00:59:49.230 We can't just move up skin and

NOTE Confidence: 0.930570054

00:59:49.230 --> 00:59:50.310 fat from anywhere.

NOTE Confidence: 0.930570054

00:59:50.310 --> 00:59:51.822 It actually has to come with
NOTE Confidence: 0.930570054

00:59:51.822 --> 00:59:53.050 a blood supply to it.
NOTE Confidence: 0.930570054

00:59:53.050 --> 00:59:54.849 We need to nourish that that area.
NOTE Confidence: 0.930570054

00:59:54.850 --> 00:59:56.250 So one common place.
NOTE Confidence: 0.930570054

00:59:56.250 --> 00:59:58.350 That we take this extra tissue
NOTE Confidence: 0.930570054

00:59:58.419 --> 01:00:00.339 from it's the lower abdomen.
NOTE Confidence: 0.930570054

01:00:00.340 --> 01:00:01.798 Often times women have a little
NOTE Confidence: 0.930570054

01:00:01.798 --> 01:00:03.379 bit of extra fat down there.
NOTE Confidence: 0.930570054

01:00:03.380 --> 01:00:05.475 Perhaps they've had pregnancies and
NOTE Confidence: 0.930570054

01:00:05.475 --> 01:00:08.328 they have a little extra skin down
NOTE Confidence: 0.930570054

01:00:08.328 --> 01:00:11.064 there that is hard to exercise the way.
NOTE Confidence: 0.930570054

01:00:11.070 --> 01:00:12.580 So those kinds of patients
NOTE Confidence: 0.930570054

01:00:12.580 --> 01:00:14.090 are ideal candidates for this.
NOTE Confidence: 0.930570054

01:00:14.090 --> 01:00:15.896 Even if you've had a caesarean section,
NOTE Confidence: 0.930570054

01:00:15.900 --> 01:00:17.796 you're still a candidate for this,
NOTE Confidence: 0.930570054

01:00:17.800 --> 01:00:19.696 so we are able to trace all of

NOTE Confidence: 0.930570054

01:00:19.696 --> 01:00:21.490 the blood vessels down into your

NOTE Confidence: 0.930570054

01:00:21.490 --> 01:00:23.374 groin and reconnect them up in

NOTE Confidence: 0.930570054

01:00:23.439 --> 01:00:25.219 your chest using a microscope,

NOTE Confidence: 0.930570054

01:00:25.220 --> 01:00:28.180 and we use sutures as fine as her,

NOTE Confidence: 0.930570054

01:00:28.180 --> 01:00:29.990 so this is an intensive operation.

NOTE Confidence: 0.930570054

01:00:29.990 --> 01:00:31.470 It does require special training.

NOTE Confidence: 0.930570054

01:00:31.470 --> 01:00:32.350 But a place like?

NOTE Confidence: 0.930570054

01:00:32.350 --> 01:00:34.166 Yeah, we can offer services like this.

NOTE Confidence: 0.930570054

01:00:34.170 --> 01:00:36.697 We can offer a whole range of

NOTE Confidence: 0.930570054

01:00:36.697 --> 01:00:37.729 reconstruction options and

NOTE Confidence: 0.930570054

01:00:37.729 --> 01:00:39.892 then the beauty of this kind of

NOTE Confidence: 0.930570054

01:00:39.892 --> 01:00:41.950 reconstruction is you don't need any

NOTE Confidence: 0.930570054

01:00:41.950 --> 01:00:43.670 long term follow-up with implants.

NOTE Confidence: 0.930570054

01:00:43.670 --> 01:00:44.979 I tell my patients it's a lot

NOTE Confidence: 0.930570054

01:00:44.979 --> 01:00:46.039 like getting an oil change.

NOTE Confidence: 0.930570054

01:00:46.040 --> 01:00:47.816 You're going to come in every 10 to
NOTE Confidence: 0.930570054

01:00:47.816 --> 01:00:49.927 15 years to get the implant switched out.
NOTE Confidence: 0.930570054

01:00:49.930 --> 01:00:51.550 And while it's an outpatient surgery,
NOTE Confidence: 0.927798526

01:00:51.550 --> 01:00:52.978 it's still another surgery.
NOTE Confidence: 0.927798526

01:00:52.978 --> 01:00:55.120 Whereas if you undergo this option,
NOTE Confidence: 0.927798526

01:00:55.120 --> 01:00:56.132 you're done with reconstruction
NOTE Confidence: 0.927798526

01:00:56.132 --> 01:00:57.650 for the rest of your life.
NOTE Confidence: 0.927798526

01:00:57.650 --> 01:00:59.122 You don't need to come in for oil
NOTE Confidence: 0.927798526

01:00:59.122 --> 01:01:00.339 changes or anything like that.
NOTE Confidence: 0.9819155

01:01:03.640 --> 01:01:04.220 Next
NOTE Confidence: 0.922803416666667

01:01:09.110 --> 01:01:11.546 so our patient had that operation,
NOTE Confidence: 0.922803416666667

01:01:11.550 --> 01:01:13.580 she had an implant based
NOTE Confidence: 0.922803416666667

01:01:13.580 --> 01:01:15.204 reconstruction next next slide.
NOTE Confidence: 0.917916781428571

01:01:17.910 --> 01:01:20.199 And she had a complete pathologic response.
NOTE Confidence: 0.917916781428571

01:01:20.200 --> 01:01:22.336 So at she had a tumor.
NOTE Confidence: 0.917916781428571

01:01:22.340 --> 01:01:24.770 There she received her chemotherapy,

NOTE Confidence: 0.917916781428571
01:01:24.770 --> 01:01:25.855 and then at the time of the
NOTE Confidence: 0.917916781428571
01:01:25.860 --> 01:01:28.108 surgery the tumor was gone,
NOTE Confidence: 0.917916781428571
01:01:28.108 --> 01:01:30.010 which tells us that she will
NOTE Confidence: 0.917916781428571
01:01:30.079 --> 01:01:32.256 have a very good prognosis of it.
NOTE Confidence: 0.917916781428571
01:01:32.260 --> 01:01:34.520 Doctor fed.
NOTE Confidence: 0.917916781428571
01:01:34.520 --> 01:01:37.610 Saved her life so next slide.
NOTE Confidence: 0.810253102222222
01:01:40.440 --> 01:01:42.528 So I work at the end of our time,
NOTE Confidence: 0.810253102222222
01:01:42.530 --> 01:01:44.946 and so maybe let's make sure we've answered
NOTE Confidence: 0.810253102222222
01:01:44.946 --> 01:01:46.832 any questions and then we can talk
NOTE Confidence: 0.810253102222222
01:01:46.832 --> 01:01:48.800 about issues in in cancer survivorship.
NOTE Confidence: 0.941344347142857
01:01:51.500 --> 01:01:53.510 Were there any other questions
NOTE Confidence: 0.941344347142857
01:01:53.510 --> 01:01:55.718 in the Q&A or in the chat box,
NOTE Confidence: 0.941344347142857
01:01:55.720 --> 01:01:57.645 or any questions you'd like
NOTE Confidence: 0.941344347142857
01:01:57.645 --> 01:02:00.300 to ask us now? One question
NOTE Confidence: 0.80008883
01:02:00.310 --> 01:02:02.752 was whether the video will be
NOTE Confidence: 0.80008883

01:02:02.752 --> 01:02:05.172 available, and it will absolutely
NOTE Confidence: 0.80008883

01:02:05.172 --> 01:02:08.630 be available on the on the cancer.
NOTE Confidence: 0.870151586875

01:02:12.090 --> 01:02:12.986 Cantyalecancercenter.org website
NOTE Confidence: 0.870151586875

01:02:12.986 --> 01:02:16.122 so you guys can have access to
NOTE Confidence: 0.870151586875

01:02:16.122 --> 01:02:18.485 this video and you can review it.
NOTE Confidence: 0.870151586875

01:02:18.490 --> 01:02:22.458 And if you have other questions you can
NOTE Confidence: 0.870151586875

01:02:22.458 --> 01:02:25.964 email us at cancer answers at yale.edu.
NOTE Confidence: 0.870151586875

01:02:25.964 --> 01:02:30.040 You can also call the Trumbull team at
NOTE Confidence: 0.76493156

01:02:34.590 --> 01:02:35.140 203-254-2381.
NOTE Confidence: 0.830131525555556

01:02:37.150 --> 01:02:38.770 And those were the only
NOTE Confidence: 0.830131525555556

01:02:38.770 --> 01:02:40.066 other questions I saw.
NOTE Confidence: 0.830131525555556

01:02:40.070 --> 01:02:43.859 We had a few too na that we answered.
NOTE Confidence: 0.830131525555556

01:02:43.860 --> 01:02:48.088 Yeah, by writing them into the answers.
NOTE Confidence: 0.830131525555556

01:02:48.090 --> 01:02:49.490 Come to the panelists.
NOTE Confidence: 0.830131525555556

01:02:49.490 --> 01:02:50.890 Any remaining words before
NOTE Confidence: 0.830131525555556

01:02:50.890 --> 01:02:52.500 we break for the night.

NOTE Confidence: 0.866493179

01:02:57.500 --> 01:03:00.250 Good job, so proud to be part of this team.

NOTE Confidence: 0.731083962

01:03:02.380 --> 01:03:05.150 I think come. What what,

NOTE Confidence: 0.731083962

01:03:05.150 --> 01:03:08.102 what you all did tonight is

NOTE Confidence: 0.731083962

01:03:08.102 --> 01:03:09.578 highlighting how multidisciplinary

NOTE Confidence: 0.731083962

01:03:09.578 --> 01:03:12.106 Breast Cancer Care is and how we

NOTE Confidence: 0.731083962

01:03:12.106 --> 01:03:14.482 all need each other's expertise to

NOTE Confidence: 0.731083962

01:03:14.482 --> 01:03:17.358 deliver the best and most optimal care.

NOTE Confidence: 0.731083962

01:03:17.360 --> 01:03:19.238 And at the center of the

NOTE Confidence: 0.731083962

01:03:19.238 --> 01:03:20.490 team is our patients.

NOTE Confidence: 0.731083962

01:03:20.490 --> 01:03:22.962 So I want to thank all the audience

NOTE Confidence: 0.731083962

01:03:22.962 --> 01:03:24.439 members tonight who joined us

NOTE Confidence: 0.731083962

01:03:24.440 --> 01:03:30.110 and feel free to email call.

NOTE Confidence: 0.731083962

01:03:30.110 --> 01:03:35.220 We want to hear from you and thank you again.

NOTE Confidence: 0.731083962

01:03:35.220 --> 01:03:35.908 Have a great night.

NOTE Confidence: 0.96769859

01:03:37.850 --> 01:03:41.000 Thank you everyone. Thank you.