00:00:00.160 --> 00:00:01.920 Funding for Yale Cancer Answers

NOTE Confidence: 0.9429361

00:00:01.920 --> 00:00:03.679 is provided by Smilow Cancer

NOTE Confidence: 0.9429361

00:00:03.679 --> 00:00:04.180 Hospital.

NOTE Confidence: 0.956088

00:00:06.080 --> 00:00:08.000 Welcome to Yale Cancer Answers

NOTE Confidence: 0.956088

00:00:08.000 --> 00:00:09.039 with the director of the

NOTE Confidence: 0.956088

00:00:09.039 --> 00:00:10.800 Yale Cancer Center, doctor Eric

NOTE Confidence: 0.956088

00:00:10.800 --> 00:00:11.300 Winer.

NOTE Confidence: 0.98957187

00:00:11.840 --> 00:00:13.940 Yale Cancer Answers features conversations

NOTE Confidence: 0.98957187

00:00:14.080 --> 00:00:14.820 with oncologists

NOTE Confidence: 0.9797492

00:00:15.120 --> 00:00:15.675 and specialists.

NOTE Confidence: 0.92460436

00:00:19.755 --> 00:00:21.515 Our guest host is doctor Tracy Battaglia

NOTE Confidence: 0.92460436

00:00:21.515 --> 00:00:23.114 who is joined for a conversation about

NOTE Confidence: 0.92460436

00:00:23.114 --> 00:00:25.114 breast cancer with doctor

NOTE Confidence: 0.92460436

00:00:25.114 --> 00:00:26.015 Maryam Lustberg.

NOTE Confidence: 0.9876822

00:00:26.555 --> 00:00:28.175 Doctor Lustberg is a professor

NOTE Confidence: 0.9876822

00:00:28.235 --> 00:00:29.915 of internal medicine and medical

NOTE Confidence: 0.9876822

00:00:29.915 --> 00:00:31.290 oncology at the Yale School

NOTE Confidence: 0.9876822

00:00:31.290 --> 00:00:31.910 of Medicine.

NOTE Confidence: 0.9960615

00:00:32.450 --> 00:00:33.590 Here's doctor Battaglia.

NOTE Confidence: 0.99923056

00:00:34.690 --> 00:00:36.310 Well, let's dive right in.

NOTE Confidence: 0.99467385

00:00:36.690 --> 00:00:37.650 I think we'd like to

NOTE Confidence: 0.99467385

00:00:37.650 --> 00:00:39.650 start our session by just

NOTE Confidence: 0.99467385

00:00:39.650 --> 00:00:40.770 learning a little bit about

NOTE Confidence: 0.99467385

00:00:40.770 --> 00:00:42.390 who you are, doctor Lustberg.

NOTE Confidence: 0.99467385

00:00:42.530 --> 00:00:43.489 What brought you to the

NOTE Confidence: 0.99467385

00:00:43.489 --> 00:00:44.950 field of breast oncology?

NOTE Confidence: 0.99336755

00:00:46.255 --> 00:00:47.854 Yes. Happy to talk

NOTE Confidence: 0.99336755

00:00:47.854 --> 00:00:49.315 about this. So I've been

NOTE Confidence: 0.9974716

00:00:50.495 --> 00:00:51.555 a medical oncologist

NOTE Confidence: 0.9962179

00:00:52.015 --> 00:00:54.335 focused exclusively on breast cancer

NOTE Confidence: 0.9962179

00:00:54.335 --> 00:00:55.875 for the last two decades.

NOTE Confidence: 0.9979316

00:00:56.815 --> 00:00:59.055 I became interested in working

NOTE Confidence: 0.9979316

00:00:59.055 --> 00:01:00.434 with patients and families

NOTE Confidence: 0.9868731

00:01:01.430 --> 00:01:03.269 dealing with breast cancer early

NOTE Confidence: 0.9868731

00:01:03.269 --> 00:01:04.869 on in my medical training.

NOTE Confidence: 0.9868731

00:01:04.869 --> 00:01:06.970 I really enjoyed the close

NOTE Confidence: 0.9868731

00:01:07.030 --> 00:01:08.150 bonds that

NOTE Confidence: 0.9991003

00:01:08.869 --> 00:01:10.729 physicians and patients were developing

NOTE Confidence: 0.95046014

00:01:11.030 --> 00:01:12.009 as they tackled

NOTE Confidence: 0.9303008

00:01:13.745 --> 00:01:15.205 this scary diagnosis.

NOTE Confidence: 0.9931119

00:01:15.505 --> 00:01:16.785 And it was

NOTE Confidence: 0.9931119

00:01:16.785 --> 00:01:17.985 a population that I really

NOTE Confidence: 0.9931119

00:01:17.985 --> 00:01:19.425 enjoyed working with. And at

NOTE Confidence: 0.9931119

00:01:19.425 --> 00:01:20.625 the same time, I was

NOTE Confidence: 0.9931119

00:01:20.625 --> 00:01:21.125 also

NOTE Confidence: 0.9997065

00:01:21.825 --> 00:01:22.965 very much drawn

NOTE Confidence: 0.95445716

00:01:23.505 --> 00:01:25.125 to the active scientific

NOTE Confidence: 0.98690635

00:01:25.680 --> 00:01:27.120 inquiry as well as clinical

NOTE Confidence: 0.98690635

00:01:27.120 --> 00:01:28.720 trials that were being devoted

NOTE Confidence: 0.98690635

00:01:28.720 --> 00:01:29.620 to breast cancer

NOTE Confidence: 0.94280225

00:01:30.240 --> 00:01:32.640 and thought that

NOTE Confidence: 0.94280225

00:01:32.640 --> 00:01:33.680 this was a good way

NOTE Confidence: 0.94280225

00:01:33.680 --> 00:01:34.880 for me to get involved

NOTE Confidence: 0.94280225

00:01:34.880 --> 00:01:36.319 both as a scientist and

NOTE Confidence: 0.94280225

00:01:36.319 --> 00:01:36.980 a physician,

NOTE Confidence: 0.99059266

00:01:38.160 --> 00:01:39.040 to try to make an

NOTE Confidence: 0.99059266

00:01:39.040 --> 00:01:39.465 impact

NOTE Confidence: 0.9994071

00:01:40.505 --> 00:01:42.125 in this very common disease.

NOTE Confidence: 0.9856134

00:01:42.505 --> 00:01:43.384 So I wonder if we

NOTE Confidence: 0.9856134

00:01:43.384 --> 00:01:44.984 could just start by having

NOTE Confidence: 0.9856134

00:01:44.984 --> 00:01:46.265 you break down for

NOTE Confidence: 0.9856134

00:01:46.265 --> 00:01:46.844 our listeners

NOTE Confidence: 0.99737984

00:01:47.545 --> 00:01:48.664 what are the most common

NOTE Confidence: 0.99737984

00:01:48.664 --> 00:01:49.804 kinds of breast cancers

NOTE Confidence: 0.936941

00:01:50.104 --> 00:01:51.465 and the treatments that

NOTE Confidence: 0.936941

00:01:51.465 --> 00:01:52.125 are available?

NOTE Confidence: 0.9461553

00:01:53.070 --> 00:01:54.270 I often hear

NOTE Confidence: 0.93330693

00:01:55.149 --> 00:01:57.149 oncologists say that there's

NOTE Confidence: 0.93330693

00:01:57.149 --> 00:01:58.189 not just one kind of

NOTE Confidence: 0.93330693

00:01:58.189 --> 00:01:59.710 cancer. There's hundreds kinds of

NOTE Confidence: 0.93330693

00:01:59.710 --> 00:02:00.909 cancers. Maybe you can break

NOTE Confidence: 0.93330693

00:02:00.909 --> 00:02:02.049 that down for us.

NOTE Confidence: 0.97352946

00:02:02.670 --> 00:02:05.069 Exactly. And similarly, we

NOTE Confidence: 0.97352946

00:02:05.069 --> 00:02:06.530 also like to say that

NOTE Confidence: 0.97352946

00:02:06.775 --> 00:02:08.055 breast cancer is not one

NOTE Confidence: 0.97352946

00:02:08.055 --> 00:02:10.135 type, but multiple different types,

NOTE Confidence: 0.97352946

00:02:10.135 --> 00:02:11.255 and each of them is

NOTE Confidence: 0.97352946

00:02:11.255 --> 00:02:12.155 very unique.

NOTE Confidence: 0.9739777

00:02:12.775 --> 00:02:14.215 I think a good way

NOTE Confidence: 0.9739777

00:02:14.215 --> 00:02:15.655 to start breaking down breast

NOTE Confidence: 0.9739777

00:02:15.655 --> 00:02:17.834 cancer is into the category

NOTE Confidence: 0.9739777

00:02:18.055 --> 00:02:19.919 of is it hormonally driven

NOTE Confidence: 0.9739777

00:02:19.919 --> 00:02:22.240 or not hormonally driven? And

NOTE Confidence: 0.9739777

00:02:22.240 --> 00:02:23.460 hormonally driven

NOTE Confidence: 0.87373173

00:02:24.240 --> 00:02:26.080 breast cancers comprise

NOTE Confidence: 0.87373173

00:02:26.320 --> 00:02:28.240 approximately two thirds of all

NOTE Confidence: 0.87373173

00:02:28.240 --> 00:02:29.620 our breast cancer types,

NOTE Confidence: 0.9979812

00:02:30.320 --> 00:02:31.940 and these are characterized by

00:02:33.600 --> 00:02:34.100 rich

NOTE Confidence: 0.9937777

00:02:34.455 --> 00:02:36.155 expression within the tumor

NOTE Confidence: 0.9972446

00:02:37.415 --> 00:02:39.655 of receptors for estrogen and

NOTE Confidence: 0.9972446

00:02:39.655 --> 00:02:41.175 progesterone, which are the main

NOTE Confidence: 0.9972446

00:02:41.175 --> 00:02:42.155 female hormones.

00:02:45.014 --> 00:02:47.254 These hormonally driven breast cancers

NOTE Confidence: 0.9559619

00:02:47.254 --> 00:02:48.535 are most common, and we

NOTE Confidence: 0.9559619

00:02:48.535 --> 00:02:49.889 can certainly talk

NOTE Confidence: 0.9988346

00:02:50.290 --> 00:02:51.970 in subsequent questions about

NOTE Confidence: 0.9993384

00:02:52.370 --> 00:02:53.090 we have a lot of

NOTE Confidence: 0.9993384

00:02:53.090 --> 00:02:55.090 great treatments for hormonally driven

NOTE Confidence: 0.9993384

00:02:55.090 --> 00:02:55.830 breast cancer.

NOTE Confidence: 0.99731076

00:02:56.290 --> 00:02:57.750 And then the second categorization,

NOTE Confidence: 0.96962726

00:02:59.010 --> 00:03:00.690 is the breast

NOTE Confidence: 0.96962726

00:03:00.690 --> 00:03:01.750 cancer driven

NOTE Confidence: 0.9975123

00:03:02.275 --> 00:03:03.315 by what I call a

NOTE Confidence: 0.9975123

00:03:03.315 --> 00:03:04.375 growth antenna

NOTE Confidence: 0.8813135

00:03:05.155 --> 00:03:06.615 or growth signal

NOTE Confidence: 0.8893921

00:03:06.915 --> 00:03:07.895 called HER2 NEU.

00:03:11.555 --> 00:03:13.475 And being HER2 NEU

NOTE Confidence: 0.909558

00:03:13.475 --> 00:03:15.175 the tumor HER2NEU positive

NOTE Confidence: 0.9842054

00:03:15.650 --> 00:03:16.710 or HER2 negative

NOTE Confidence: 0.9959604

00:03:17.010 --> 00:03:17.910 is the second

NOTE Confidence: 0.9691851

00:03:18.690 --> 00:03:19.670 big categorization.

NOTE Confidence: 0.9920424

00:03:20.690 --> 00:03:22.050 And so some

NOTE Confidence: 0.9920424

00:03:22.050 --> 00:03:24.230 tumors rely both on estrogen

NOTE Confidence: 0.9920424

00:03:24.370 --> 00:03:26.370 receptor pathways as well as

NOTE Confidence: 0.9920424

00:03:26.370 --> 00:03:27.430 HER2neu pathways.

NOTE Confidence: 0.996315

00:03:28.545 --> 00:03:29.745 And to make it a

NOTE Confidence: 0.996315

00:03:29.745 --> 00:03:31.585 little bit extra confusing, in

NOTE Confidence: 0.996315

00:03:31.585 --> 00:03:32.805 most recent years,

NOTE Confidence: 0.9995512

00:03:33.345 --> 00:03:34.085 the categorization

NOTE Confidence: 0.9796023

00:03:34.385 --> 00:03:36.305 of HER-two neu has gone through

NOTE Confidence: 0.9796023

00:03:36.305 --> 00:03:37.125 many changes,

NOTE Confidence: 0.9825592

00:03:37.665 --> 00:03:38.945 including now we have a

NOTE Confidence: 0.9825592

00:03:38.945 --> 00:03:40.945 category of HER-two low. So

NOTE Confidence: 0.9825592

00:03:40.945 --> 00:03:42.565 it's not clearly positive

NOTE Confidence: 0.97880816

00:03:43.319 --> 00:03:44.680 as we have been used

NOTE Confidence: 0.97880816

00:03:44.680 --> 00:03:46.280 to categorizing it in

NOTE Confidence: 0.97880816

00:03:46.280 --> 00:03:47.099 distant years.

00:03:49.800 --> 00:03:50.680 It has a little bit

NOTE Confidence: 0.978508

00:03:50.680 --> 00:03:51.500 of that signal.

NOTE Confidence: 0.9921716

00:03:52.280 --> 00:03:53.879 And with advances in our

NOTE Confidence: 0.9921716

00:03:53.879 --> 00:03:54.940 systemic therapies,

NOTE Confidence: 0.98691237

00:03:55.495 --> 00:03:57.655 it's an important category to

NOTE Confidence: 0.98691237

00:03:57.655 --> 00:03:58.715 take into account

NOTE Confidence: 0.98232293

00:03:59.655 --> 00:04:00.935 for some patients as we

NOTE Confidence: 0.98232293

00:04:00.935 --> 00:04:02.455 describe their breast cancer.

NOTE Confidence: 0.98232293

00:04:02.455 --> 00:04:03.415 Thank you for breaking that down

NOTE Confidence: 0.98232293

00:04:03.415 --> 00:04:04.855 for us.

NOTE Confidence: 0.98232293

00:04:04.855 --> 00:04:06.235 It feels a little bit overwhelming

NOTE Confidence: 0.98232293

00:04:06.295 --> 00:04:07.255 to sort of hear you

NOTE Confidence: 0.98232293

00:04:07.255 --> 00:04:08.215 explain it. And so I

NOTE Confidence: 0.98232293

00:04:08.215 --> 00:04:09.495 wonder if you can explain

NOTE Confidence: 0.98232293

00:04:09.495 --> 00:04:10.315 to our listeners,

NOTE Confidence: 0.9159181

00:04:10.880 --> 00:04:11.760 how do you know what

NOTE Confidence: 0.9159181

00:04:11.760 --> 00:04:12.640 kind of tumor you

NOTE Confidence: 0.9159181

00:04:12.640 --> 00:04:13.140 have?

NOTE Confidence: 0.9932229

00:04:13.440 --> 00:04:14.580 So one of

NOTE Confidence: 0.9891352

00:04:14.880 --> 00:04:16.720 the important aspects to keep

NOTE Confidence: 0.9891352

00:04:16.720 --> 00:04:18.080 in mind is that breast

NOTE Confidence: 0.9891352

00:04:18.080 --> 00:04:20.160 cancer care is very much

NOTE Confidence: 0.9891352

00:04:20.160 --> 00:04:21.460 a multi specialty

NOTE Confidence: 0.9886665

00:04:22.160 --> 00:04:23.300 type of practice.

NOTE Confidence: 0.9990294

00:04:24.074 --> 00:04:25.194 So all of us come

NOTE Confidence: 0.9990294

00:04:25.194 --> 00:04:25.694 together

NOTE Confidence: 0.98478204

00:04:25.995 --> 00:04:27.354 as a team in this

NOTE Confidence: 0.98478204

00:04:27.354 --> 00:04:27.854 multidisciplinary

NOTE Confidence: 0.98881316

00:04:28.475 --> 00:04:28.975 way,

NOTE Confidence: 0.9899545

00:04:29.354 --> 00:04:31.134 to deliver the best,

NOTE Confidence: 0.999254

00:04:31.595 --> 00:04:33.354 most personalized type of breast

NOTE Confidence: 0.999254

00:04:33.354 --> 00:04:33.854 cancer

NOTE Confidence: 0.9993416

00:04:34.154 --> 00:04:35.455 care to our patients.

NOTE Confidence: 0.9981115

00:04:35.835 --> 00:04:37.194 So one of our key

NOTE Confidence: 0.9981115

00:04:37.194 --> 00:04:38.955 team members is actually the

NOTE Confidence: 0.9981115

00:04:38.955 --> 00:04:39.455 pathologist.

NOTE Confidence: 0.98450905

00:04:40.850 --> 00:04:42.450 So after a biopsy is

NOTE Confidence: 0.98450905

00:04:42.450 --> 00:04:43.510 taken or

NOTE Confidence: 0.9417717

00:04:43.889 --> 00:04:45.250 after a patient may undergo

NOTE Confidence: 0.9417717

00:04:45.250 --> 00:04:46.070 breast surgery,

NOTE Confidence: 0.99710846

00:04:46.850 --> 00:04:48.630 that tumor tissue is actually

NOTE Confidence: 0.99710846

00:04:48.690 --> 00:04:50.310 very carefully inspected

NOTE Confidence: 0.9317368

00:04:51.490 --> 00:04:53.830 for size and lymph node status.

NOTE Confidence: 0.9080619

00:04:54.290 --> 00:04:55.029 But, additionally,

NOTE Confidence: 0.9893751

00:04:56.185 --> 00:04:57.865 the tumor tissue is also

NOTE Confidence: 0.9893751

00:04:57.865 --> 00:05:00.125 looked at for different driver.

00:05:01.545 --> 00:05:03.245 And so there's very specific

NOTE Confidence: 0.98963916

00:05:03.385 --> 00:05:05.805 staining protocols and testing protocols

NOTE Confidence: 0.98963916

00:05:05.865 --> 00:05:07.705 where the pathologist is actually

NOTE Confidence: 0.98963916

00:05:07.705 --> 00:05:08.685 looking to see

NOTE Confidence: 0.9738857

00:05:10.029 --> 00:05:10.910 what are some of the

NOTE Confidence: 0.9738857

00:05:10.910 --> 00:05:13.010 categories that I previously mentioned?

NOTE Confidence: 0.9738857

00:05:13.070 --> 00:05:14.850 Is there evidence

NOTE Confidence: 0.9738857

00:05:14.910 --> 00:05:17.089 that there's hormone receptor expression?

NOTE Confidence: 0.97518855

00:05:17.949 --> 00:05:19.550 Is there evidence of HER2

NOTE Confidence: 0.97518855

00:05:19.550 --> 00:05:21.089 expression? So I think

NOTE Confidence: 0.9990907

00:05:21.790 --> 00:05:22.449 a correct

NOTE Confidence: 0.99836046

00:05:22.775 --> 00:05:23.835 tissue diagnosis

NOTE Confidence: 0.9642232

00:05:24.375 --> 00:05:25.895 is so central to what

NOTE Confidence: 0.9642232

00:05:25.895 --> 00:05:26.555 we do.

NOTE Confidence: 0.9786999

00:05:30.134 --> 00:05:31.354 And one of the first steps

NOTE Confidence: 0.9786999

00:05:31.414 --> 00:05:32.375 for us to be able

NOTE Confidence: 0.9786999

00:05:32.375 --> 00:05:33.735 to devise the

NOTE Confidence: 0.9786999

00:05:33.735 --> 00:05:35.974 most accurate and personalized treatment

NOTE Confidence: 0.9786999

00:05:35.974 --> 00:05:37.574 plan for you. That's really

NOTE Confidence: 0.9786999

00:05:37.574 --> 00:05:38.074 helpful.

00:05:40.000 --> 00:05:40.740 The multidisciplinary

NOTE Confidence: 0.9718375

00:05:41.120 --> 00:05:42.080 team will look at your

NOTE Confidence: 0.9718375

00:05:42.080 --> 00:05:43.600 tumor and tell you which

NOTE Confidence: 0.9718375

00:05:43.600 --> 00:05:44.720 type of tumor that you

NOTE Confidence: 0.9718375

00:05:44.720 --> 00:05:46.000 have. And that will, in

NOTE Confidence: 0.9718375

00:05:46.000 --> 00:05:46.500 turn,

NOTE Confidence: 0.9970824

00:05:47.360 --> 00:05:48.880 determine the types of treatment

NOTE Confidence: 0.9970824

00:05:48.880 --> 00:05:50.259 you have available to you.

NOTE Confidence: 0.9409389

00:05:50.654 --> 00:05:52.255 Exactly. And typically it starts

NOTE Confidence: 0.9409389

00:05:52.255 --> 00:05:53.775 with a biopsy. I think

NOTE Confidence: 0.9409389

00:05:53.775 --> 00:05:54.915 that biopsy

NOTE Confidence: 0.93381387

00:05:55.375 --> 00:05:56.895 gives us

NOTE Confidence: 0.93381387

00:05:56.895 --> 00:05:58.115 that initial clue

NOTE Confidence: 0.9928279

00:05:58.735 --> 00:05:59.875 in terms of,

NOTE Confidence: 0.9964393

00:06:01.535 --> 00:06:02.895 again, what type of breast

NOTE Confidence: 0.9964393

00:06:02.895 --> 00:06:04.195 cancer this is,

NOTE Confidence: 0.95686114

00:06:04.810 --> 00:06:06.730 depending on the type, as

NOTE Confidence: 0.95686114

00:06:06.730 --> 00:06:07.450 well as,

NOTE Confidence: 0.99964184

00:06:08.330 --> 00:06:09.310 some of the imaging

NOTE Confidence: 0.8519124

00:06:09.770 --> 00:06:10.270 information.

NOTE Confidence: 0.9986154

00:06:11.130 --> 00:06:12.029 Breast radiology

NOTE Confidence: 0.97362995

00:06:12.410 --> 00:06:13.690 is also a key

NOTE Confidence: 0.97362995

00:06:13.690 --> 00:06:15.290 component of that multi d

NOTE Confidence: 0.97362995

00:06:15.290 --> 00:06:17.130 team. So in addition

NOTE Confidence: 0.97362995

00:06:17.130 --> 00:06:17.950 to the biopsy,

NOTE Confidence: 0.98977566

00:06:19.595 --> 00:06:21.595 understanding based on imaging, and

NOTE Confidence: 0.98977566

00:06:21.595 --> 00:06:22.815 that could be mammogram,

NOTE Confidence: 0.9567568

00:06:23.115 --> 00:06:24.975 ultrasound, and in some cases,

NOTE Confidence: 0.9567568

00:06:25.035 --> 00:06:25.855 breast MRI.

00:06:29.275 --> 00:06:32.075 What is the approximate extent of disease based

NOTE Confidence: 0.98946077

00:06:32.075 --> 00:06:33.755 on size and lymph node

NOTE Confidence: 0.98946077

00:06:33.755 --> 00:06:34.255 status?

NOTE Confidence: 0.98302543

00:06:34.930 --> 00:06:36.529 And all of these pieces

NOTE Confidence: 0.98302543

00:06:36.529 --> 00:06:38.389 of information are brought together.

NOTE Confidence: 0.850168

00:06:38.770 --> 00:06:39.970 And typically, there is a

NOTE Confidence: 0.850168

00:06:39.970 --> 00:06:41.270 discussion in a multidisciplinary

NOTE Confidence: 0.9804862

00:06:41.810 --> 00:06:43.490 tumor board or sometimes an

NOTE Confidence: 0.9804862

00:06:43.490 --> 00:06:45.250 informal discussion among all the

NOTE Confidence: 0.9804862

00:06:45.250 --> 00:06:46.069 different specialties

NOTE Confidence: 0.9798028

00:06:46.770 --> 00:06:47.830 to kind of decide,

NOTE Confidence: 0.98361826

00:06:48.849 --> 00:06:50.229 what are the next steps,

NOTE Confidence: 0.99393547

00:06:50.714 --> 00:06:52.094 in terms of that personalized

NOTE Confidence: 0.99393547

00:06:52.235 --> 00:06:53.854 care for the patient diagnosed.

NOTE Confidence: 0.9799565

00:06:54.555 --> 00:06:55.514 I think it's really

NOTE Confidence: 0.9799565

00:06:55.514 --> 00:06:57.194 helpful for our listeners to

NOTE Confidence: 0.9799565

00:06:57.194 --> 00:06:58.794 understand what happens behind the

NOTE Confidence: 0.9799565

00:06:58.794 --> 00:07:00.794 scenes after a biopsy is

NOTE Confidence: 0.9799565

00:07:00.794 --> 00:07:01.835 taken. So thank you for

NOTE Confidence: 0.9799565

00:07:01.835 --> 00:07:02.895 breaking that down.

NOTE Confidence: 0.9074966

00:07:04.189 --> 00:07:05.069 I'm going to have you

NOTE Confidence: 0.9074966

00:07:05.069 --> 00:07:06.669 hold your thoughts about treatment.

NOTE Confidence: 0.9074966

00:07:06.669 --> 00:07:07.810 Because I wanted to

NOTE Confidence: 0.9769431

00:07:08.509 --> 00:07:09.949 change our conversation to talk

NOTE Confidence: 0.9769431

00:07:09.949 --> 00:07:10.990 a little bit about early

NOTE Confidence: 0.9769431

00:07:10.990 --> 00:07:12.050 detection.

NOTE Confidence: 0.90018064

00:07:13.469 --> 00:07:14.289 Specifically,

NOTE Confidence: 0.9991536

00:07:15.469 --> 00:07:17.729 it's hard to not listen

NOTE Confidence: 0.99366724

00:07:18.164 --> 00:07:19.365 to the news and hear

NOTE Confidence: 0.99366724

00:07:19.365 --> 00:07:20.745 a lot about the rising

NOTE Confidence: 0.99366724

00:07:20.884 --> 00:07:21.384 incidence

NOTE Confidence: 0.9588351

00:07:22.085 --> 00:07:23.925 of cancer in young people,

NOTE Confidence: 0.9588351

00:07:23.925 --> 00:07:24.664 and specifically

NOTE Confidence: 0.97172415

00:07:24.965 --> 00:07:26.664 breast cancer in young people.

NOTE Confidence: 0.9988083

00:07:27.205 --> 00:07:28.245 So can you tell us

NOTE Confidence: 0.9988083

00:07:28.245 --> 00:07:29.284 a little bit about what's

NOTE Confidence: 0.9988083

00:07:29.284 --> 00:07:29.784 behind

NOTE Confidence: 0.9976578

00:07:30.245 --> 00:07:31.845 this rising incidence of breast

NOTE Confidence: 0.9976578

00:07:31.845 --> 00:07:33.145 cancer in young women?

NOTE Confidence: 0.9452735

00:07:34.110 --> 00:07:35.330 I think it's a really

NOTE Confidence: 0.9452735

00:07:35.470 --> 00:07:37.009 wonderful, important question,

NOTE Confidence: 0.99746025

00:07:38.590 --> 00:07:41.090 and we're still actively learning

NOTE Confidence: 0.9833697

00:07:42.110 --> 00:07:42.610 exactly

NOTE Confidence: 0.9988701

00:07:43.070 --> 00:07:44.130 what is driving

00:07:45.789 --> 00:07:47.250 this rising trend

NOTE Confidence: 0.75236523

00:07:47.310 --> 00:07:48.585 in diagnosis of

NOTE Confidence: 0.9905966

00:07:49.384 --> 00:07:51.245 breast cancer in younger women,

NOTE Confidence: 0.91983604

00:07:52.345 --> 00:07:53.785 those under age fifty or

NOTE Confidence: 0.91983604

00:07:53.785 --> 00:07:55.405 under age forty five.

00:07:57.944 --> 00:07:59.305 What we know is that

NOTE Confidence: 0.98814756

00:07:59.305 --> 00:08:01.085 it's probably not one factor

NOTE Confidence: 0.98814756

00:08:01.145 --> 00:08:02.985 that's driving this increase,

NOTE Confidence: 0.98814756

00:08:02.985 --> 00:08:03.485 it's

NOTE Confidence: 0.9710986

00:08:03.790 --> 00:08:04.770 multiple factors

NOTE Confidence: 0.7565457

00:08:05.630 --> 00:08:06.130 including

00:08:09.390 --> 00:08:11.310 lifestyle factors have changed quite

NOTE Confidence: 0.98528963

00:08:11.310 --> 00:08:12.430 a bit in the last

NOTE Confidence: 0.98528963

00:08:12.430 --> 00:08:13.790 several decades with

NOTE Confidence: 0.94660985

00:08:15.884 --> 00:08:16.625 more sedentary

NOTE Confidence: 0.9265951

00:08:18.525 --> 00:08:19.965 culture kind as

NOTE Confidence: 0.9265951

00:08:19.965 --> 00:08:22.625 we've become more technology dependent.

00:08:25.085 --> 00:08:26.205 We know that

NOTE Confidence: 0.88530904

00:08:26.925 --> 00:08:28.365 there's been changes in

NOTE Confidence: 0.88530904

00:08:28.365 --> 00:08:30.625 dietary patterns, including increased

NOTE Confidence: 0.92610425

00:08:31.600 --> 00:08:34.000 processed food comes consumption, increased

NOTE Confidence: 0.92610425

00:08:34.000 --> 00:08:34.820 fat intake.

NOTE Confidence: 0.9914179

00:08:36.000 --> 00:08:37.120 We also know that there

NOTE Confidence: 0.9914179

00:08:37.120 --> 00:08:38.720 have been changes in

NOTE Confidence: 0.98047656

00:08:39.280 --> 00:08:41.860 reproductive patterns with some delayed

NOTE Confidence: 0.98047656

00:08:42.000 --> 00:08:42.500 childbearing,

NOTE Confidence: 0.9930506

00:08:43.695 --> 00:08:44.995 that we have noted

NOTE Confidence: 0.976

00:08:45.455 --> 00:08:46.575 in the last several

NOTE Confidence: 0.976

00:08:46.575 --> 00:08:48.255 decades, as well as delayed

NOTE Confidence: 0.976

00:08:48.255 --> 00:08:48.755 breastfeeding.

NOTE Confidence: 0.9913917

00:08:49.455 --> 00:08:50.835 Now all of these factors

NOTE Confidence: 0.9913917

00:08:50.975 --> 00:08:52.595 are not in any way

NOTE Confidence: 0.9913917

00:08:52.735 --> 00:08:54.975 blaming the patients for developing

NOTE Confidence: 0.9913917

00:08:54.975 --> 00:08:56.175 breast cancer. That is not

NOTE Confidence: 0.9913917

00:08:56.175 --> 00:08:57.075 what I'm saying.

NOTE Confidence: 0.8599387

00:08:58.980 --> 00:09:00.200 In many patients,

NOTE Confidence: 0.9686191

00:09:00.820 --> 00:09:02.020 we actually don't have a

NOTE Confidence: 0.9686191

00:09:02.020 --> 00:09:03.780 clear cause of why

NOTE Confidence: 0.9686191

00:09:03.780 --> 00:09:04.900 they develop breast cancer. They

NOTE Confidence: 0.9686191

00:09:04.900 --> 00:09:05.860 could have done all the

NOTE Confidence: 0.9686191

00:09:05.860 --> 00:09:07.220 right things and been the

NOTE Confidence: 0.9686191

00:09:07.220 --> 00:09:08.420 healthiest that they could have

NOTE Confidence: 0.9686191

00:09:08.420 --> 00:09:09.540 been. So I think

NOTE Confidence: 0.9686191

00:09:09.540 --> 00:09:10.920 there's a lot of unknown

NOTE Confidence: 0.9686191

00:09:11.059 --> 00:09:11.559 factors

NOTE Confidence: 0.98161083

00:09:12.715 --> 00:09:14.235 in terms of why any

NOTE Confidence: 0.98161083

00:09:14.235 --> 00:09:16.315 individual develops breast cancer, and

NOTE Confidence: 0.98161083

00:09:16.315 --> 00:09:17.615 that also goes

NOTE Confidence: 0.9949275

00:09:18.395 --> 00:09:19.755 for younger women with

NOTE Confidence: 0.9949275

00:09:19.755 --> 00:09:20.575 breast cancer.

NOTE Confidence: 0.98354894

00:09:21.275 --> 00:09:22.155 But I think there are

NOTE Confidence: 0.98354894

00:09:22.155 --> 00:09:23.755 theories that in

NOTE Confidence: 0.98354894

00:09:23.755 --> 00:09:24.575 many ways,

NOTE Confidence: 0.93700224

00:09:25.250 --> 00:09:26.690 kind of our exposure to

NOTE Confidence: 0.93700224

00:09:26.690 --> 00:09:29.170 hormones have changed, our exposure

00:09:31.570 --> 00:09:33.410 to environmental factors may have changed

NOTE Confidence: 0.983649

00:09:33.410 --> 00:09:34.769 in recent years. We're still

NOTE Confidence: 0.983649

00:09:34.769 --> 00:09:36.230 trying to understand exactly

NOTE Confidence: 0.98755616

00:09:36.769 --> 00:09:37.170 what's

NOTE Confidence: 0.9951763

00:09:37.809 --> 00:09:39.510 driving this increase in rates.

NOTE Confidence: 0.95262814

00:09:40.425 --> 00:09:42.045 Yeah. It sounds really complex.

NOTE Confidence: 0.9544333

00:09:42.585 --> 00:09:44.105 And there certainly are things

NOTE Confidence: 0.9544333

00:09:44.105 --> 00:09:45.005 in our history

NOTE Confidence: 0.9504051

00:09:46.505 --> 00:09:48.265 that we can't really change.

NOTE Confidence: 0.9504051

00:09:48.265 --> 00:09:49.945 Right? Like our family history,

NOTE Confidence: 0.9504051

00:09:49.945 --> 00:09:51.304 for example. But then there

NOTE Confidence: 0.9504051

00:09:51.304 --> 00:09:52.845 are things that are potentially

NOTE Confidence: 0.9504051

00:09:53.145 --> 00:09:53.645 modifiable.

NOTE Confidence: 0.99363065

00:09:54.309 --> 00:09:56.070 Correct. Like our lifestyle choices.

NOTE Confidence: 0.99363065

00:09:56.070 --> 00:09:56.790 Maybe you can talk a

NOTE Confidence: 0.99363065

00:09:56.790 --> 00:09:57.990 little bit about the difference

NOTE Confidence: 0.99363065

00:09:57.990 --> 00:09:58.950 between the things that you

NOTE Confidence: 0.99363065

00:09:58.950 --> 00:09:59.910 can change and the things

NOTE Confidence: 0.99363065

00:09:59.910 --> 00:10:00.570 you can't.

NOTE Confidence: 0.990496

00:10:01.270 --> 00:10:02.950 Absolutely. As you

NOTE Confidence: 0.990496

00:10:02.950 --> 00:10:03.450 mentioned,

NOTE Confidence: 0.97633696

00:10:04.230 --> 00:10:06.650 our family history, having

NOTE Confidence: 0.97633696

00:10:06.710 --> 00:10:07.610 a primary

NOTE Confidence: 0.96394646

00:10:09.025 --> 00:10:11.205 direct relative with breast cancer

00:10:12.545 --> 00:10:13.985 is one of the central risk factors for

NOTE Confidence: 0.96394646

00:10:13.985 --> 00:10:15.285 breast cancer or

NOTE Confidence: 0.9935546

00:10:15.825 --> 00:10:16.325 having

NOTE Confidence: 0.98846465

00:10:16.865 --> 00:10:18.245 a genetic predisposition,

NOTE Confidence: 0.9966919

00:10:18.945 --> 00:10:20.145 a set of genes that

NOTE Confidence: 0.9966919

00:10:20.145 --> 00:10:21.125 can increase

NOTE Confidence: 0.75729954

00:10:21.459 --> 00:10:22.200 the probability,

NOTE Confidence: 0.98919314

00:10:22.740 --> 00:10:24.580 the lifetime probability of developing

NOTE Confidence: 0.98919314

00:10:24.580 --> 00:10:26.100 breast cancer. Obviously, we can't

NOTE Confidence: 0.98919314

00:10:26.100 --> 00:10:27.459 change our family history. We

NOTE Confidence: 0.98919314

00:10:27.459 --> 00:10:29.559 can't change our genetic makeup,

NOTE Confidence: 0.99673045

00:10:30.500 --> 00:10:32.279 for certain patients who've had

NOTE Confidence: 0.9736346

00:10:32.580 --> 00:10:34.179 other types of exposures for

NOTE Confidence: 0.9736346

00:10:34.179 --> 00:10:36.175 other cancers, such as radiation

NOTE Confidence: 0.9736346

00:10:36.175 --> 00:10:37.615 treatment for other cancers. Those

NOTE Confidence: 0.9736346

00:10:37.615 --> 00:10:38.915 are things we can't change.

NOTE Confidence: 0.9997404

00:10:39.375 --> 00:10:40.675 But in terms of modifiable

NOTE Confidence: 0.96457183

00:10:41.054 --> 00:10:43.054 risk factors, these are our

NOTE Confidence: 0.96457183

00:10:43.054 --> 00:10:43.875 health habits.

NOTE Confidence: 0.9941063

00:10:44.735 --> 00:10:45.795 And that includes

NOTE Confidence: 0.98199666

00:10:46.334 --> 00:10:48.595 things like exercise. It includes

NOTE Confidence: 0.95029813

00:10:49.535 --> 00:10:51.470 our body mass index and

NOTE Confidence: 0.9976063

00:10:53.129 --> 00:10:54.490 whether we're falling in that

NOTE Confidence: 0.9976063

00:10:54.490 --> 00:10:56.269 overweight or obese category.

NOTE Confidence: 0.99726194

00:10:57.449 --> 00:10:59.370 It relates to alcohol use.

NOTE Confidence: 0.99726194

00:10:59.370 --> 00:11:00.649 We have more and more

NOTE Confidence: 0.99726194

00:11:00.649 --> 00:11:01.709 data about

NOTE Confidence: 0.9996922

00:11:02.649 --> 00:11:03.709 stronger associations

NOTE Confidence: 0.86618435

00:11:04.250 --> 00:11:04.569 with

NOTE Confidence: 0.9812152

00:11:05.285 --> 00:11:07.065 moderate to heavy alcohol use

NOTE Confidence: 0.9955246

00:11:08.005 --> 00:11:09.445 being associated with

NOTE Confidence: 0.9911194

00:11:10.005 --> 00:11:11.365 a higher chance of developing

NOTE Confidence: 0.9911194

00:11:11.365 --> 00:11:12.905 breast cancer. So these are

NOTE Confidence: 0.9911194

00:11:13.205 --> 00:11:14.885 factors that

NOTE Confidence: 0.9911194

00:11:14.885 --> 00:11:16.505 we have some control over,

00:11:18.565 --> 00:11:19.684 and the these are things that can

00:11:21.370 --> 00:11:22.809 absolutely lower the lifetime risk

NOTE Confidence: 0.993657

00:11:22.809 --> 00:11:24.270 of breast cancer.

NOTE Confidence: 0.95437926

00:11:24.890 --> 00:11:26.029 So healthy lifestyle,

NOTE Confidence: 0.9890297

00:11:26.330 --> 00:11:27.850 behavior, everything we've been taught

NOTE Confidence: 0.9890297

00:11:27.850 --> 00:11:28.770 since we were younger

NOTE Confidence: 0.9890297

00:11:28.890 --> 00:11:30.089 also will reduce our breast

NOTE Confidence: 0.9890297

00:11:30.089 --> 00:11:31.630 cancer risk. Is that right?

NOTE Confidence: 0.9890297

00:11:31.690 --> 00:11:32.570 Yes. And

NOTE Confidence: 0.9837123

00:11:33.450 --> 00:11:35.309 what's interesting is that

NOTE Confidence: 0.9989213

00:11:36.295 --> 00:11:36.795 cardiovascular

NOTE Confidence: 0.9887163

00:11:37.255 --> 00:11:38.535 disease, which is actually the

NOTE Confidence: 0.9887163

00:11:38.535 --> 00:11:40.375 most common cause of death

NOTE Confidence: 0.9887163

00:11:40.375 --> 00:11:41.995 in the US in both

NOTE Confidence: 0.9887163

00:11:42.054 --> 00:11:44.475 men and women, cardiovascular

NOTE Confidence: 0.9991698

00:11:44.934 --> 00:11:45.755 disease factors

NOTE Confidence: 0.99325293

00:11:46.214 --> 00:11:47.735 actually have shared risk factors

NOTE Confidence: 0.99325293

00:11:47.735 --> 00:11:48.634 with breast cancer.

00:11:49.980 --> 00:11:51.180 So you get a two for one

NOTE Confidence: 0.95809025

00:11:51.180 --> 00:11:52.380 as you kind of address

NOTE Confidence: 0.95809025

00:11:52.380 --> 00:11:53.900 your breast cancer risk factors.

NOTE Confidence: 0.95809025

00:11:53.900 --> 00:11:55.040 You're also addressing

NOTE Confidence: 0.9902743

00:11:55.980 --> 00:11:57.760 heart disease risk factors.

NOTE Confidence: 0.9960098

00:11:58.540 --> 00:11:59.980 Maintaining that healthy

NOTE Confidence: 0.9960098

00:11:59.980 --> 00:12:00.480 weight,

NOTE Confidence: 0.99292976

00:12:01.340 --> 00:12:02.800 being physically active,

NOTE Confidence: 0.91217476

00:12:03.900 --> 00:12:05.204 you know, at least one

NOTE Confidence: 0.91217476

00:12:05.204 --> 00:12:07.285 hundred fifty minutes a week,

NOTE Confidence: 0.91217476

00:12:07.285 --> 00:12:08.184 if not more,

NOTE Confidence: 0.94442457

00:12:08.885 --> 00:12:10.345 and then limiting alcohol,

NOTE Confidence: 0.9997102

00:12:11.445 --> 00:12:12.584 focusing on a

00:12:14.165 --> 00:12:15.545 plant forward diet,

NOTE Confidence: 0.9995385

00:12:16.644 --> 00:12:17.704 with more plants,

NOTE Confidence: 0.9470935

00:12:18.059 --> 00:12:19.980 less animal fat, less processed

NOTE Confidence: 0.9470935

00:12:19.980 --> 00:12:22.059 foods and sugars, all these

NOTE Confidence: 0.9470935

00:12:22.059 --> 00:12:23.179 are all things that can

NOTE Confidence: 0.9470935

00:12:23.179 --> 00:12:24.380 help both your heart as

NOTE Confidence: 0.9470935

00:12:24.380 --> 00:12:25.679 well as your breast health.

NOTE Confidence: 0.95316625

00:12:26.380 --> 00:12:28.059 That's great. Thank you for

NOTE Confidence: 0.95316625

00:12:28.059 --> 00:12:29.520 that advice Doctor. Lustberg.

NOTE Confidence: 0.9223355

00:12:30.075 --> 00:12:31.275 In the last minute we

NOTE Confidence: 0.9223355

00:12:31.275 --> 00:12:32.815 have before we break,

NOTE Confidence: 0.9570319

00:12:33.195 --> 00:12:34.315 I wanna ask you,

NOTE Confidence: 0.9570319

00:12:34.475 --> 00:12:35.675 you've talked about lifestyle and

NOTE Confidence: 0.9570319

00:12:35.675 --> 00:12:37.355 behavior. What about screening and

NOTE Confidence: 0.9570319

00:12:37.355 --> 00:12:39.135 early detection for our listeners?

NOTE Confidence: 0.98865485

00:12:40.475 --> 00:12:42.175 Yeah. So it's really important

NOTE Confidence: 0.98865485

00:12:42.315 --> 00:12:43.675 to know your risk

NOTE Confidence: 0.98865485

00:12:43.675 --> 00:12:44.655 of breast cancer.

NOTE Confidence: 0.99664223

00:12:45.059 --> 00:12:46.260 There's gonna be a national

NOTE Confidence: 0.99664223

00:12:46.260 --> 00:12:48.120 movement to really focus on

NOTE Confidence: 0.9567685

00:12:48.500 --> 00:12:50.679 each individual woman really understanding

NOTE Confidence: 0.9567685

00:12:50.820 --> 00:12:52.179 her risk factors for breast

NOTE Confidence: 0.9567685

00:12:52.179 --> 00:12:53.240 cancer and for women

00:12:55.540 --> 00:12:57.320 at average risk for developing

NOTE Confidence: 0.9592616

00:12:57.380 --> 00:12:58.120 breast cancer,

NOTE Confidence: 0.9478821

00:12:59.075 --> 00:13:01.015 typically, we do recommend screening

NOTE Confidence: 0.9478821

00:13:01.075 --> 00:13:02.695 starting at age, forty.

NOTE Confidence: 0.9971791

00:13:03.475 --> 00:13:04.915 But depending on if you

NOTE Confidence: 0.9971791

00:13:04.915 --> 00:13:06.675 have other risk factors, screening

NOTE Confidence: 0.9971791

00:13:06.675 --> 00:13:07.895 should really be individualized

NOTE Confidence: 0.9909396

00:13:08.275 --> 00:13:09.015 to your risk.

NOTE Confidence: 0.91853935

00:13:09.635 --> 00:13:11.235 But starting with a average

NOTE Confidence: 0.91853935

00:13:11.235 --> 00:13:11.975 risk woman,

NOTE Confidence: 0.97854

00:13:12.500 --> 00:13:14.339 then mammography starting at age

NOTE Confidence: 0.97854

00:13:14.339 --> 00:13:16.179 forty. And then depending on

NOTE Confidence: 0.97854

00:13:16.179 --> 00:13:17.399 what your breast tissue

NOTE Confidence: 0.9951563

00:13:17.779 --> 00:13:19.480 looks like on a mammogram,

NOTE Confidence: 0.9929182

00:13:20.660 --> 00:13:22.660 how much glandular tissue there

NOTE Confidence: 0.9929182

00:13:22.660 --> 00:13:25.000 is relative to fatty tissue,

NOTE Confidence: 0.9976261

00:13:25.485 --> 00:13:26.705 that actually determines

NOTE Confidence: 0.99694395

00:13:28.045 --> 00:13:29.725 a factor called your breast

NOTE Confidence: 0.99694395

00:13:29.725 --> 00:13:30.225 density.

NOTE Confidence: 0.98563004

00:13:30.684 --> 00:13:31.885 And knowing your breast

NOTE Confidence: 0.98563004

00:13:31.885 --> 00:13:33.404 density is now the law.

NOTE Confidence: 0.98563004

00:13:33.404 --> 00:13:34.525 It should be in your

NOTE Confidence: 0.98563004

00:13:34.525 --> 00:13:35.964 mammogram report. And if you

NOTE Confidence: 0.98563004

00:13:35.964 --> 00:13:37.005 scroll down, you should be

NOTE Confidence: 0.98563004

00:13:37.005 --> 00:13:37.825 able to see

NOTE Confidence: 0.9995386

00:13:38.205 --> 00:13:39.565 what type of density you

NOTE Confidence: 0.9995386

00:13:39.565 --> 00:13:40.065 have.

NOTE Confidence: 0.9928707

00:13:40.620 --> 00:13:42.220 Fifty percent of women in

NOTE Confidence: 0.9928707

00:13:42.220 --> 00:13:43.500 the US actually fall in

NOTE Confidence: 0.9928707

00:13:43.500 --> 00:13:44.880 that higher breast density,

NOTE Confidence: 0.91232

00:13:45.580 --> 00:13:46.080 category.

NOTE Confidence: 0.9977873

00:13:46.540 --> 00:13:47.660 And what that means is

NOTE Confidence: 0.9977873

00:13:47.660 --> 00:13:48.780 that it may be more

NOTE Confidence: 0.9977873

00:13:48.780 --> 00:13:50.080 difficult for a radiologist

NOTE Confidence: 0.99988174

00:13:50.540 --> 00:13:51.200 to see

NOTE Confidence: 0.9883038

00:13:51.580 --> 00:13:53.360 solely relying on the mammogram,

NOTE Confidence: 0.9708784

00:13:54.395 --> 00:13:55.755 the extent of how your

NOTE Confidence: 0.9708784

00:13:55.755 --> 00:13:57.755 breast tissue is. So, typically,

NOTE Confidence: 0.9708784

00:13:57.755 --> 00:13:58.415 a supplemental

NOTE Confidence: 0.9315135

00:13:58.875 --> 00:13:59.375 imaging,

NOTE Confidence: 0.9833066

00:13:59.675 --> 00:14:00.554 whether it be

NOTE Confidence: 0.94534165

00:14:00.955 --> 00:14:02.315 an ultrasound or in some

NOTE Confidence: 0.94534165

00:14:02.315 --> 00:14:03.915 cases, an MRI is needed

NOTE Confidence: 0.94534165

00:14:03.915 --> 00:14:04.715 to be able to see

NOTE Confidence: 0.94534165

00:14:04.715 --> 00:14:05.535 more clearly.

NOTE Confidence: 0.9920072

00:14:06.170 --> 00:14:08.009 In addition, breast density is

NOTE Confidence: 0.9920072

00:14:08.009 --> 00:14:09.929 actually an independent risk factor

NOTE Confidence: 0.9920072

00:14:09.929 --> 00:14:11.470 for developing breast cancer.

NOTE Confidence: 0.96490943

00:14:13.370 --> 00:14:15.290 That higher glandular tissue

NOTE Confidence: 0.96490943

00:14:15.290 --> 00:14:17.050 is more susceptible to changes

NOTE Confidence: 0.96490943

00:14:17.050 --> 00:14:18.329 that may predispose it to

NOTE Confidence: 0.96490943

00:14:18.329 --> 00:14:19.725 to cancer. So knowing

NOTE Confidence: 0.96490943

00:14:19.725 --> 00:14:21.485 your breast density is another

NOTE Confidence: 0.96490943

00:14:21.485 --> 00:14:21.985 important

NOTE Confidence: 0.98998225

00:14:23.404 --> 00:14:24.945 facet of knowing your risk.

NOTE Confidence: 0.98998225

00:14:25.165 --> 00:14:26.385 So many aspects

NOTE Confidence: 0.97973824

00:14:27.085 --> 00:14:28.925 of your background influence your

NOTE Confidence: 0.97973824

00:14:28.925 --> 00:14:30.705 own personal breast cancer risk.

NOTE Confidence: 0.97973824

00:14:31.005 --> 00:14:31.500 Correct.

NOTE Confidence: 0.9606615

00:14:31.900 --> 00:14:32.780 Well, we have covered a

NOTE Confidence: 0.9606615

00:14:32.780 --> 00:14:33.740 lot of ground in this

NOTE Confidence: 0.9606615

00:14:33.740 --> 00:14:34.860 first half. But we're going

NOTE Confidence: 0.9606615

00:14:34.860 --> 00:14:35.900 to break now to take

NOTE Confidence: 0.9606615

00:14:35.900 --> 00:14:36.960 a one minute break.

NOTE Confidence: 0.9728167

00:14:37.420 --> 00:14:38.300 We're going to come back

NOTE Confidence: 0.9728167

00:14:38.300 --> 00:14:39.180 and we're going to pick

NOTE Confidence: 0.9728167

00:14:39.180 --> 00:14:40.300 up on all of the

NOTE Confidence: 0.9728167

00:14:40.300 --> 00:14:41.580 details you gave us about

NOTE Confidence: 0.9728167

00:14:41.580 --> 00:14:43.420 tumor and different types of

NOTE Confidence: 0.9728167

00:14:43.420 --> 00:14:45.395 cancers and personal risk to

NOTE Confidence: 0.9728167

00:14:45.395 --> 00:14:46.375 talk about personalized

NOTE Confidence: 0.9712962

00:14:46.915 --> 00:14:48.915 and precision medicine and treatment.

NOTE Confidence: 0.9712962

00:14:48.915 --> 00:14:50.595 So stay tuned to learn

NOTE Confidence: 0.9712962

00:14:50.595 --> 00:14:52.195 more about improving your outcomes

NOTE Confidence: 0.9712962

00:14:52.195 --> 00:14:53.395 for breast cancer care with

NOTE Confidence: 0.9712962

00:14:53.395 --> 00:14:54.915 my guest, doctor Maryam Lustberg.

NOTE Confidence: 0.9712962

00:14:54.915 --> 00:14:56.515 We'll be right back.

NOTE Confidence: 0.9712962

00:14:56.515 --> 00:14:58.035 Support for Yale Cancer Answers comes

NOTE Confidence: 0.9712962

00:14:58.035 --> 00:14:59.655 from Smilow Cancer Hospital,

NOTE Confidence: 0.99650395

00:15:00.080 --> 00:15:01.760 where all patients have access

NOTE Confidence: 0.99650395

00:15:01.760 --> 00:15:03.440 to cutting edge clinical trials

NOTE Confidence: 0.99650395

00:15:03.440 --> 00:15:05.520 at several convenient locations throughout

NOTE Confidence: 0.99650395

00:15:05.520 --> 00:15:06.100 the region.

NOTE Confidence: 0.9261602

00:15:06.480 --> 00:15:08.100 To learn more, visit smilowcancerhospital

NOTE Confidence: 0.99262094

00:15:09.040 --> 00:15:09.780 dot org.

NOTE Confidence: 0.9673326

00:15:11.600 --> 00:15:13.295 It's estimated that over two

NOTE Confidence: 0.9673326

00:15:13.295 --> 00:15:14.655 hundred and forty thousand men

NOTE Confidence: 0.9673326

00:15:14.655 --> 00:15:15.695 in the US will be

NOTE Confidence: 0.9673326

00:15:15.695 --> 00:15:17.775 diagnosed with prostate cancer this

NOTE Confidence: 0.9673326

00:15:17.775 --> 00:15:19.615 year with over three thousand

NOTE Confidence: 0.9673326

00:15:19.615 --> 00:15:21.295 new cases being identified here

NOTE Confidence: 0.9673326

00:15:21.295 --> 00:15:21.955 in Connecticut.

NOTE Confidence: 0.9922577

00:15:22.575 --> 00:15:24.015 One in eight American men

NOTE Confidence: 0.9922577

00:15:24.015 --> 00:15:25.695 will develop prostate cancer in

NOTE Confidence: 0.9922577

00:15:25.695 --> 00:15:26.915 the course of his lifetime.

NOTE Confidence: 0.99659705

00:15:27.680 --> 00:15:29.279 Major advances in the detection

NOTE Confidence: 0.99659705

00:15:29.279 --> 00:15:30.959 and treatment of prostate cancer

NOTE Confidence: 0.99659705

00:15:30.959 --> 00:15:32.720 have dramatically decreased the number

NOTE Confidence: 0.99659705

00:15:32.720 --> 00:15:33.760 of men who die from

NOTE Confidence: 0.99659705

00:15:33.760 --> 00:15:34.500 the disease.

NOTE Confidence: 0.98864347

00:15:35.040 --> 00:15:36.720 Screening can be performed quickly

NOTE Confidence: 0.98864347

00:15:36.720 --> 00:15:38.180 and easily in a physician's

NOTE Confidence: 0.98864347

00:15:38.240 --> 00:15:40.180 office using two simple tests,

NOTE Confidence: 0.98864347

00:15:40.399 --> 00:15:41.680 a physical exam and a

NOTE Confidence: 0.98864347

00:15:41.680 --> 00:15:42.500 blood test.

NOTE Confidence: 0.9502175

00:15:42.885 --> 00:15:44.725 Clinical trials are currently underway

NOTE Confidence: 0.9502175

00:15:44.725 --> 00:15:47.365 at federally designated comprehensive cancer

NOTE Confidence: 0.9502175

00:15:47.365 --> 00:15:48.965 centers, such as Yale Cancer

NOTE Confidence: 0.9502175

00:15:48.965 --> 00:15:50.565 Center and Smilow Cancer

NOTE Confidence: 0.9502175

00:15:50.565 --> 00:15:51.065 Hospital,

NOTE Confidence: 0.9707708

00:15:51.525 --> 00:15:53.125 where doctors are also using

NOTE Confidence: 0.9707708

00:15:53.125 --> 00:15:55.385 the Artemis machine, which enables

NOTE Confidence: 0.9707708

00:15:55.445 --> 00:15:57.385 targeted biopsies to be performed.

NOTE Confidence: 0.98168796

00:15:58.089 --> 00:15:59.610 More information is available at

NOTE Confidence: 0.98168796

00:15:59.610 --> 00:16:01.390 yale cancer center dot org.

NOTE Confidence: 0.98168796

00:16:01.529 --> 00:16:03.210 You're listening to Connecticut Public

NOTE Confidence: 0.98168796

00:16:03.210 --> 00:16:03.710 Radio.

NOTE Confidence: 0.9339017

00:16:04.810 --> 00:16:06.250 Weelcome back to Yale

NOTE Confidence: 0.9339017

00:16:06.250 --> 00:16:08.170 Cancer Answers. This is doctor

NOTE Confidence: 0.9339017

00:16:08.170 --> 00:16:09.850 Tracy Battaglia.

NOTE Confidence: 0.9339017

00:16:09.850 --> 00:16:11.529 I am joined tonight by my

NOTE Confidence: 0.9339017

00:16:11.529 --> 00:16:13.050 colleague and guest, doctor Maryam NOTE Confidence: 0.9339017

00:16:13.050 --> 00:16:13.550 Lustberg.

NOTE Confidence: 0.9912102

00:16:14.315 --> 00:16:15.215 We're discussing

NOTE Confidence: 0.9734761

00:16:15.675 --> 00:16:16.895 breast cancer diagnosis.

NOTE Confidence: 0.9988613

00:16:17.835 --> 00:16:19.035 And we've had a riveting

NOTE Confidence: 0.9988613

00:16:19.035 --> 00:16:19.535 conversation

NOTE Confidence: 0.97040063

00:16:19.995 --> 00:16:21.035 for the first half of

NOTE Confidence: 0.97040063

00:16:21.035 --> 00:16:22.795 our time, really breaking down

NOTE Confidence: 0.97040063

00:16:22.795 --> 00:16:24.075 the types of different breast

NOTE Confidence: 0.97040063

00:16:24.075 --> 00:16:24.575 cancers,

NOTE Confidence: 0.9918501

00:16:25.275 --> 00:16:26.790 types of risk factors that

NOTE Confidence: 0.9918501

00:16:26.790 --> 00:16:28.630 go into developing breast cancer,

NOTE Confidence: 0.9918501

00:16:28.630 --> 00:16:29.589 and even things you can

NOTE Confidence: 0.9918501

00:16:29.589 --> 00:16:31.029 do to prevent or find

NOTE Confidence: 0.9918501

00:16:31.029 --> 00:16:32.949 cancer early. But we're gonna

NOTE Confidence: 0.9918501

00:16:32.949 --> 00:16:35.110 transition our conversation now to

NOTE Confidence: 0.9918501

00:16:35.110 --> 00:16:36.709 treatment. We heard a lot

NOTE Confidence: 0.9918501

00:16:36.709 --> 00:16:37.990 about the different types of

NOTE Confidence: 0.9918501

00:16:37.990 --> 00:16:39.910 tumors that dictate the types

NOTE Confidence: 0.9918501

00:16:39.910 --> 00:16:41.115 of treatment that you get.

NOTE Confidence: 0.9814223

00:16:41.755 --> 00:16:43.675 So I'm gonna ask our

NOTE Confidence: 0.9814223

00:16:43.675 --> 00:16:45.595 guest, doctor Lustberg, to talk

NOTE Confidence: 0.9814223

00:16:45.595 --> 00:16:47.035 with us about the different

NOTE Confidence: 0.9814223

00:16:47.035 --> 00:16:48.154 types of treatment that are

NOTE Confidence: 0.9814223

00:16:48.154 --> 00:16:49.834 available to breast cancer and

NOTE Confidence: 0.9814223

00:16:49.834 --> 00:16:50.795 how they relate to the

NOTE Confidence: 0.9814223

00:16:50.795 --> 00:16:51.834 type of tumor that you

NOTE Confidence: 0.9814223

00:16:51.834 --> 00:16:52.334 have.

NOTE Confidence: 0.97486794

00:16:53.820 --> 00:16:55.680 Thanks, Tracy, for that question.

NOTE Confidence: 0.97486794

00:16:55.820 --> 00:16:58.080 So multiple

NOTE Confidence: 0.97486794

00:16:58.140 --> 00:17:00.560 factors go into us advising

NOTE Confidence: 0.97486794

00:17:00.700 --> 00:17:02.320 our patients in terms of

NOTE Confidence: 0.99052906

00:17:03.020 --> 00:17:04.619 the type of multi d

NOTE Confidence: 0.99052906

00:17:04.619 --> 00:17:06.320 treatment that they might need.

NOTE Confidence: 0.9661449

00:17:07.415 --> 00:17:08.775 So we've talked about the

NOTE Confidence: 0.9661449

00:17:08.775 --> 00:17:10.615 subtypes of breast cancer. That's

NOTE Confidence: 0.9661449

00:17:10.615 --> 00:17:11.755 an important factor.

NOTE Confidence: 0.99931985

00:17:12.855 --> 00:17:14.475 Additional factors include

NOTE Confidence: 0.9923286

00:17:14.775 --> 00:17:16.215 the stage of the breast

NOTE Confidence: 0.9923286

00:17:16.215 --> 00:17:17.655 cancer.

NOTE Confidence: 0.88566

00:17:18.215 --> 00:17:19.415 We have four

NOTE Confidence: 0.88566

00:17:19.415 --> 00:17:19.915 stages.

NOTE Confidence: 0.9860786

00:17:22.169 --> 00:17:22.889 And for

NOTE Confidence: 0.97494066

00:17:23.210 --> 00:17:24.490 kind of the earliest stage of

NOTE Confidence: 0.97494066

00:17:24.490 --> 00:17:25.230 breast cancer,

NOTE Confidence: 0.9834173

00:17:26.330 --> 00:17:28.169 generally, we focus on starting

NOTE Confidence: 0.9834173

00:17:28.169 --> 00:17:29.869 with local regional treatment,

NOTE Confidence: 0.990304

00:17:30.970 --> 00:17:32.990 which generally consists of surgery

NOTE Confidence: 0.990304

00:17:33.049 --> 00:17:33.549 first

NOTE Confidence: 0.92827725

00:17:34.009 --> 00:17:35.690 and really truly understanding as

NOTE Confidence: 0.92827725

00:17:35.690 --> 00:17:37.149 a consequence of surgery

NOTE Confidence: 0.9875159

00:17:37.635 --> 00:17:39.555 exactly how much tumor and

NOTE Confidence: 0.9875159

00:17:39.555 --> 00:17:41.395 disease involvement there was. And

NOTE Confidence: 0.9875159

00:17:41.395 --> 00:17:42.935 then after after that,

NOTE Confidence: 0.9764028

00:17:43.315 --> 00:17:44.755 kind of depending on the

NOTE Confidence: 0.9764028

00:17:44.755 --> 00:17:45.955 type of surgery that was

NOTE Confidence: 0.9764028

00:17:45.955 --> 00:17:47.815 had, the amount of disease,

NOTE Confidence: 0.9582972

00:17:48.515 --> 00:17:49.555 and the type of breast

NOTE Confidence: 0.9582972

00:17:49.555 --> 00:17:51.255 cancer, deciding on,

NOTE Confidence: 0.97774315

00:17:51.940 --> 00:17:53.780 whether radiation is needed, which

NOTE Confidence: 0.97774315

00:17:53.780 --> 00:17:55.720 is another local regional treatment,

NOTE Confidence: 0.97927827

00:17:56.740 --> 00:17:57.380 and then,

NOTE Confidence: 0.9712303

00:17:57.860 --> 00:17:58.360 additional

NOTE Confidence: 0.9990488

00:17:59.300 --> 00:18:00.680 therapy in the form

NOTE Confidence: 0.9992729

00:18:00.980 --> 00:18:02.520 of systemic therapies.

NOTE Confidence: 0.9998274

00:18:02.980 --> 00:18:04.420 These are therapies that treat

NOTE Confidence: 0.9998274

00:18:04.420 --> 00:18:05.320 the whole body

NOTE Confidence: 0.9937258

00:18:06.684 --> 00:18:08.465 and may consist of

NOTE Confidence: 0.99603826

00:18:09.164 --> 00:18:10.544 the category of

NOTE Confidence: 0.9438494

00:18:10.845 --> 00:18:12.845 endocrine therapy, also known as

NOTE Confidence: 0.9438494

00:18:12.845 --> 00:18:15.244 hormonal therapy or anti estrogen

NOTE Confidence: 0.9438494

00:18:15.244 --> 00:18:15.744 therapy.

NOTE Confidence: 0.9962796

00:18:16.205 --> 00:18:17.984 They may consist of chemotherapy.

NOTE Confidence: 0.9718472

00:18:19.004 --> 00:18:20.280 They may consist of

NOTE Confidence: 0.9143788

00:18:20.840 --> 00:18:22.060 HER2 monoclonal

NOTE Confidence: 0.96065915

00:18:22.520 --> 00:18:24.460 antibodies or HER2 treatments,

NOTE Confidence: 0.99826133

00:18:25.160 --> 00:18:25.660 immunotherapy

NOTE Confidence: 0.9878014

00:18:25.960 --> 00:18:27.020 in certain cases.

NOTE Confidence: 0.99968123

00:18:27.320 --> 00:18:28.780 So these are all different

NOTE Confidence: 0.99968123

00:18:28.920 --> 00:18:29.420 categories

NOTE Confidence: 0.99978095

00:18:30.359 --> 00:18:31.660 of systemic therapy

NOTE Confidence: 0.98929775

00:18:32.200 --> 00:18:33.480 that may be given in

NOTE Confidence: 0.98929775

00:18:33.480 --> 00:18:35.160 sequence or combined with each

NOTE Confidence: 0.98929775

00:18:35.160 --> 00:18:36.994 other depending on the situation.

NOTE Confidence: 0.98308146

00:18:38.655 --> 00:18:39.315 There are

NOTE Confidence: 0.97046715

00:18:40.095 --> 00:18:41.855 situations such as in stage

NOTE Confidence: 0.97046715

00:18:41.855 --> 00:18:42.355 four

NOTE Confidence: 0.9998062

00:18:43.215 --> 00:18:44.035 breast cancer

NOTE Confidence: 0.7849642

00:18:44.494 --> 00:18:44.994 where

NOTE Confidence: 0.9998697

00:18:45.615 --> 00:18:46.115 focusing

NOTE Confidence: 0.99957764

00:18:46.734 --> 00:18:48.335 on the best and the

NOTE Confidence: 0.99957764

00:18:48.335 --> 00:18:49.234 most targeted

NOTE Confidence: 0.99952435

00:18:49.759 --> 00:18:50.820 systemic therapy

NOTE Confidence: 0.9857824

00:18:51.200 --> 00:18:52.720 is the best place to

NOTE Confidence: 0.9857824

00:18:52.720 --> 00:18:53.220 start and

00:18:55.600 --> 00:18:56.879 not taking time for local

NOTE Confidence: 0.94681937

00:18:56.879 --> 00:18:58.720 regional treatment because that takes

NOTE Confidence: 0.94681937

00:18:58.720 --> 00:18:59.779 away from time

NOTE Confidence: 0.9988929

00:19:00.159 --> 00:19:01.519 to really treat the whole

NOTE Confidence: 0.9988929

00:19:01.519 --> 00:19:03.220 disease process in the body.

NOTE Confidence: 0.99790025

00:19:03.734 --> 00:19:05.095 So all of these factors

NOTE Confidence: 0.99790025

00:19:05.095 --> 00:19:06.295 come together for us to

NOTE Confidence: 0.99790025

00:19:06.295 --> 00:19:07.195 kind of decide,

NOTE Confidence: 0.9698491

00:19:07.895 --> 00:19:09.255 what are the right combinations

NOTE Confidence: 0.9698491

00:19:09.255 --> 00:19:10.615 of treatments. And all of

NOTE Confidence: 0.9698491

00:19:10.615 --> 00:19:12.535 this is often discussed kind

NOTE Confidence: 0.9698491

00:19:12.535 --> 00:19:14.395 of, as I mentioned before,

NOTE Confidence: 0.95276153

00:19:14.775 --> 00:19:16.055 as part of that multi

NOTE Confidence: 0.95276153

00:19:16.055 --> 00:19:16.795 d discussion

NOTE Confidence: 0.99750686

00:19:17.340 --> 00:19:18.799 with with all the specialties

NOTE Confidence: 0.99750686

00:19:18.940 --> 00:19:19.440 involved.

NOTE Confidence: 0.9973755

00:19:20.299 --> 00:19:21.419 You started out

NOTE Confidence: 0.997832

00:19:22.140 --> 00:19:23.740 describing the importance of the

NOTE Confidence: 0.997832

00:19:23.740 --> 00:19:24.240 multidisciplinary

NOTE Confidence: 0.9672529

00:19:24.700 --> 00:19:26.320 approach to cancer. And

NOTE Confidence: 0.98245233

00:19:26.700 --> 00:19:28.140 as you describe the treatments,

NOTE Confidence: 0.98245233

00:19:28.140 --> 00:19:29.580 it becomes more apparent how

NOTE Confidence: 0.98245233

00:19:29.580 --> 00:19:30.799 important that is.

NOTE Confidence: 0.89942807

00:19:31.905 --> 00:19:32.865 I wonder if you

NOTE Confidence: 0.89942807

00:19:32.865 --> 00:19:33.925 could talk about

NOTE Confidence: 0.9919075

00:19:35.425 --> 00:19:37.125 there's so many choices

NOTE Confidence: 0.99974906

00:19:37.425 --> 00:19:38.244 for cancer

NOTE Confidence: 0.87267685

00:19:38.545 --> 00:19:39.045 treatment,

NOTE Confidence: 0.97093135

00:19:39.585 --> 00:19:41.025 both the modality and the

NOTE Confidence: 0.97093135

00:19:41.025 --> 00:19:42.145 order as you point out.

NOTE Confidence: 0.97093135

00:19:42.145 --> 00:19:43.505 We used to always

NOTE Confidence: 0.97093135

00:19:43.505 --> 00:19:44.865 start with surgery, for example,

NOTE Confidence: 0.97093135

00:19:44.865 --> 00:19:45.825 and now we're sort of

NOTE Confidence: 0.97093135

00:19:45.825 --> 00:19:47.185 rethinking the order. So there's

NOTE Confidence: 0.97093135

00:19:47.185 --> 00:19:48.440 the types of therapy and

NOTE Confidence: 0.97093135

00:19:48.440 --> 00:19:49.580 the order of therapy.

NOTE Confidence: 0.99494195

00:19:50.200 --> 00:19:51.400 And how does that decision

NOTE Confidence: 0.99494195

00:19:51.400 --> 00:19:53.080 making process happen for a

NOTE Confidence: 0.99494195

00:19:53.080 --> 00:19:54.119 patient? Can you walk us

NOTE Confidence: 0.99494195

00:19:54.119 --> 00:19:54.780 through that?

NOTE Confidence: 0.9977765

00:19:55.240 --> 00:19:56.619 Yes. So

NOTE Confidence: 0.90897816

00:19:57.160 --> 00:19:58.920 it goes without saying that

NOTE Confidence: 0.90897816

00:19:58.920 --> 00:20:00.060 the patient

NOTE Confidence: 0.9543934

00:20:01.274 --> 00:20:02.075 has a key

NOTE Confidence: 0.9543934

00:20:02.075 --> 00:20:03.134 central role

NOTE Confidence: 0.9760012

00:20:03.994 --> 00:20:05.355 here in terms of many

NOTE Confidence: 0.9760012

00:20:05.355 --> 00:20:06.634 of these decision makings, if

NOTE Confidence: 0.9760012

00:20:06.634 --> 00:20:07.355 not all of it.

00:20:08.554 --> 00:20:09.835 This is her body, and she

NOTE Confidence: 0.9760012

00:20:09.835 --> 00:20:11.195 gets to decide what is

NOTE Confidence: 0.9760012

00:20:11.195 --> 00:20:11.695 done.

NOTE Confidence: 0.9972744

00:20:11.994 --> 00:20:13.710 We are guides to

NOTE Confidence: 0.9972744

00:20:13.710 --> 00:20:15.330 kind of share the evidence

NOTE Confidence: 0.9972744

00:20:15.390 --> 00:20:16.590 of what we know so

NOTE Confidence: 0.9972744

00:20:16.590 --> 00:20:17.090 far

NOTE Confidence: 0.9950805

00:20:17.790 --> 00:20:19.490 about different biological

00:20:20.990 --> 00:20:22.350 characteristics of the tumor and

NOTE Confidence: 0.9874986

00:20:22.350 --> 00:20:23.390 what are the pros and

NOTE Confidence: 0.9874986

00:20:23.390 --> 00:20:24.850 cons of each approach.

NOTE Confidence: 0.99293983

00:20:26.325 --> 00:20:27.125 To give you a more

NOTE Confidence: 0.99293983

00:20:27.125 --> 00:20:29.125 tangible example, the

NOTE Confidence: 0.99293983

00:20:29.125 --> 00:20:30.184 order of therapy

NOTE Confidence: 0.9924755

00:20:31.125 --> 00:20:31.845 for our

NOTE Confidence: 0.9107251

00:20:32.484 --> 00:20:32.984 non-hormonally

NOTE Confidence: 0.99608606

00:20:33.684 --> 00:20:34.184 driven,

NOTE Confidence: 0.9420371

00:20:34.484 --> 00:20:36.184 non HER2 driven tumors,

NOTE Confidence: 0.9747737

00:20:36.565 --> 00:20:37.765 which are known also as

NOTE Confidence: 0.9747737

00:20:37.765 --> 00:20:39.225 our triple negative tumors,

00:20:42.580 --> 00:20:44.020 in stage two and stage

NOTE Confidence: 0.972003

00:20:44.020 --> 00:20:46.280 three breast cancer, giving upfront

NOTE Confidence: 0.9974671

00:20:46.660 --> 00:20:48.359 chemotherapy plus immunotherapy

NOTE Confidence: 0.97118807

00:20:49.540 --> 00:20:50.920 has so many advantages,

NOTE Confidence: 0.9998746

00:20:51.460 --> 00:20:51.960 including

NOTE Confidence: 0.98874235

00:20:52.660 --> 00:20:54.520 having a real time response

NOTE Confidence: 0.98874235

00:20:54.660 --> 00:20:55.845 measure of

NOTE Confidence: 0.96440417

00:20:56.405 --> 00:20:57.765 is the combination actually

NOTE Confidence: 0.96440417

00:20:57.765 --> 00:20:59.525 working for the biology of

NOTE Confidence: 0.96440417

00:20:59.525 --> 00:21:01.205 this breast cancer? So o

NOTE Confidence: 0.96440417

00:21:01.205 --> 00:21:03.145 by giving that upfront

NOTE Confidence: 0.96440417

00:21:03.205 --> 00:21:04.645 treatment and not rushing to

NOTE Confidence: 0.96440417

00:21:04.645 --> 00:21:05.145 surgery,

NOTE Confidence: 0.9975668

00:21:06.405 --> 00:21:08.585 we we're truly interrogating

NOTE Confidence: 0.99984366

00:21:08.885 --> 00:21:10.164 the biology of the breast

NOTE Confidence: 0.99984366

00:21:10.164 --> 00:21:10.664 cancer

NOTE Confidence: 0.9986549

00:21:11.109 --> 00:21:12.149 and making sure that we're

NOTE Confidence: 0.9986549

00:21:12.149 --> 00:21:13.590 on the right track. And

NOTE Confidence: 0.9986549

00:21:13.590 --> 00:21:14.710 then when the patient does

NOTE Confidence: 0.9986549

00:21:14.710 --> 00:21:16.169 ultimately go to surgery,

NOTE Confidence: 0.99980533

00:21:16.470 --> 00:21:17.769 then we have an additional

NOTE Confidence: 0.99980533

00:21:17.830 --> 00:21:18.809 measure of

NOTE Confidence: 0.95120883

00:21:19.909 --> 00:21:21.029 how good were we

NOTE Confidence: 0.95120883

00:21:21.029 --> 00:21:23.029 in terms of targeting this

NOTE Confidence: 0.95120883

00:21:23.029 --> 00:21:24.869 tumor. Was there any tumor

NOTE Confidence: 0.95120883

00:21:24.869 --> 00:21:25.369 left?

NOTE Confidence: 0.9936374

00:21:25.994 --> 00:21:27.375 Was it a partial response

NOTE Confidence: 0.9936374

00:21:27.435 --> 00:21:28.875 or no response? And that

NOTE Confidence: 0.9936374

00:21:28.875 --> 00:21:31.035 can determine then additional systemic

NOTE Confidence: 0.9936374

00:21:31.035 --> 00:21:32.975 therapies that are given subsequently.

NOTE Confidence: 0.9450359

00:21:33.675 --> 00:21:35.135 So I would say it's

00:21:36.315 --> 00:21:38.175 all those factors. The patient

NOTE Confidence: 0.945233

00:21:38.539 --> 00:21:40.320 plays that central role.

NOTE Confidence: 0.9746562

00:21:41.580 --> 00:21:42.799 And then in addition,

NOTE Confidence: 0.9746562

00:21:43.020 --> 00:21:45.340 that shared decision

NOTE Confidence: 0.9746562

00:21:45.340 --> 00:21:47.179 making model is

NOTE Confidence: 0.9746562

00:21:47.179 --> 00:21:48.779 the scientific evidence of

NOTE Confidence: 0.9746562

00:21:48.779 --> 00:21:50.320 the biology of the cancer.

NOTE Confidence: 0.9818934

00:21:51.145 --> 00:21:53.085 What can be realistically surgically

NOTE Confidence: 0.96674794

00:21:53.385 --> 00:21:54.825 achieved. Like, is a

NOTE Confidence: 0.96674794

00:21:54.825 --> 00:21:55.325 tumor

NOTE Confidence: 0.9447846

00:21:56.105 --> 00:21:57.545 small enough for it

NOTE Confidence: 0.9447846

00:21:57.545 --> 00:21:59.065 to, for example, undergo

NOTE Confidence: 0.9447846

00:21:59.065 --> 00:22:00.045 surgery first?

NOTE Confidence: 0.9964204

00:22:00.505 --> 00:22:02.184 But patient preference on the

NOTE Confidence: 0.9964204

00:22:02.184 --> 00:22:03.565 type of surgery she wants

NOTE Confidence: 0.9997212

00:22:04.184 --> 00:22:05.565 is also a key factor.

NOTE Confidence: 0.99578154

00:22:06.179 --> 00:22:07.299 So there's a lot of

NOTE Confidence: 0.99578154

00:22:07.299 --> 00:22:08.659 discussion, and I would like

NOTE Confidence: 0.99578154

00:22:08.659 --> 00:22:09.639 to say that

NOTE Confidence: 0.97427124

00:22:10.740 --> 00:22:12.100 there's no reason to make

NOTE Confidence: 0.97427124

00:22:12.100 --> 00:22:13.619 a rushed decision on many

NOTE Confidence: 0.97427124

00:22:13.619 --> 00:22:15.220 of these factors. Typically, it

NOTE Confidence: 0.97427124

00:22:15.220 --> 00:22:16.740 can take several weeks, if

NOTE Confidence: 0.97427124

00:22:16.740 --> 00:22:18.315 not longer, for us to

NOTE Confidence: 0.97427124

00:22:18.315 --> 00:22:19.774 kinda bring all these pieces

NOTE Confidence: 0.97427124

00:22:19.835 --> 00:22:20.335 together

NOTE Confidence: 0.95839745

00:22:20.635 --> 00:22:22.075 and also kind of have

NOTE Confidence: 0.95839745

00:22:22.075 --> 00:22:23.294 multiple conversations

NOTE Confidence: 0.9849607

00:22:23.595 --> 00:22:24.335 with patients,

NOTE Confidence: 0.9980941

00:22:25.355 --> 00:22:27.054 so that they're fully informed

NOTE Confidence: 0.99686956

00:22:27.434 --> 00:22:28.875 and are truly making a

NOTE Confidence: 0.99686956

00:22:28.875 --> 00:22:30.414 decision that's right for them.

NOTE Confidence: 0.99077773

00:22:31.420 --> 00:22:32.220 I think that's such a

NOTE Confidence: 0.99077773

00:22:32.220 --> 00:22:33.420 critical piece of

NOTE Confidence: 0.9887863

00:22:33.820 --> 00:22:35.100 advice that you're giving there,

NOTE Confidence: 0.9887863

00:22:35.100 --> 00:22:35.920 which is really

NOTE Confidence: 0.9881069

00:22:36.940 --> 00:22:37.760 the urgency

NOTE Confidence: 0.9990172

00:22:38.060 --> 00:22:39.359 of decision making.

NOTE Confidence: 0.9910882

00:22:39.820 --> 00:22:40.859 I mean, I think any

NOTE Confidence: 0.9910882

00:22:40.859 --> 00:22:42.060 of us who have had

NOTE Confidence: 0.9910882

00:22:42.060 --> 00:22:44.060 the experience of cancer or

NOTE Confidence: 0.9910882

00:22:44.060 --> 00:22:45.100 a loved one who has had

NOTE Confidence: 0.9910882

00:22:45.100 --> 00:22:45.600 cancer,

NOTE Confidence: 0.9592163

00:22:46.024 --> 00:22:47.144 there's such a sense of

NOTE Confidence: 0.9592163

00:22:47.144 --> 00:22:49.005 urgency to do something immediately.

NOTE Confidence: 0.9592163

00:22:49.225 --> 00:22:50.345 Because you wanna get rid

NOTE Confidence: 0.9592163

00:22:50.345 --> 00:22:51.965 of this toxin

NOTE Confidence: 0.9592163

00:22:52.264 --> 00:22:53.404 that's in your body.

NOTE Confidence: 0.9572105

00:22:54.264 --> 00:22:55.465 And yet I'm hearing you

NOTE Confidence: 0.9572105

00:22:55.465 --> 00:22:57.644 say that it takes time

NOTE Confidence: 0.9572105

00:22:57.705 --> 00:22:58.940 and thoughtfulness

NOTE Confidence: 0.99790984

00:22:59.240 --> 00:23:00.679 to put together the appropriate

NOTE Confidence: 0.99790984

00:23:00.679 --> 00:23:01.880 treatment plan that makes the

NOTE Confidence: 0.99790984

00:23:01.880 --> 00:23:03.240 most sense for women. So

NOTE Confidence: 0.99790984

00:23:03.240 --> 00:23:04.119 maybe you can just speak

NOTE Confidence: 0.99790984

00:23:04.119 --> 00:23:05.080 to that a little bit

NOTE Confidence: 0.99790984

00:23:05.080 --> 00:23:06.619 more.

NOTE Confidence: 0.9881916

00:23:08.039 --> 00:23:08.840 First I would like to

NOTE Confidence: 0.9881916

00:23:08.840 --> 00:23:11.075 acknowledge that the experience

NOTE Confidence: 0.99835336

00:23:11.455 --> 00:23:12.815 of going through this as

NOTE Confidence: 0.99835336

00:23:12.815 --> 00:23:14.575 a patient and a family

NOTE Confidence: 0.99835336

00:23:14.575 --> 00:23:15.075 member,

NOTE Confidence: 0.9932481

00:23:15.534 --> 00:23:16.815 that's something that I can't

NOTE Confidence: 0.9932481

00:23:16.815 --> 00:23:18.494 fully imagine.

NOTE Confidence: 0.9932481

00:23:18.494 --> 00:23:19.794 I want to acknowledge that,

NOTE Confidence: 0.98141

00:23:21.294 --> 00:23:23.375 from meeting thousands of

NOTE Confidence: 0.98141

00:23:23.375 --> 00:23:24.734 patients and families over the

NOTE Confidence: 0.98141

00:23:24.734 --> 00:23:26.195 years, I do want to

NOTE Confidence: 0.99428374

00:23:26.550 --> 00:23:28.070 validate and acknowledge that it

NOTE Confidence: 0.99428374

00:23:28.070 --> 00:23:29.990 can feel very scary from

NOTE Confidence: 0.99428374

00:23:29.990 --> 00:23:31.510 having these conversations with them.

NOTE Confidence: 0.99428374

00:23:31.510 --> 00:23:32.950 And that sense of

NOTE Confidence: 0.99428374

00:23:32.950 --> 00:23:34.390 urgency that you're talking about

NOTE Confidence: 0.99428374

00:23:34.390 --> 00:23:35.050 is absolutely

NOTE Confidence: 0.99489313

00:23:36.310 --> 00:23:37.990 a real feeling. I don't

NOTE Confidence: 0.99489313

00:23:37.990 --> 00:23:39.615 wanna dismiss it. But then

NOTE Confidence: 0.99489313

00:23:39.775 --> 00:23:41.934 the scientific counter to that

NOTE Confidence: 0.99489313

00:23:41.934 --> 00:23:43.775 is that we actually have

NOTE Confidence: 0.99489313

00:23:43.775 --> 00:23:44.915 really strong data

NOTE Confidence: 0.98730606

00:23:45.295 --> 00:23:46.734 that taking our time is

NOTE Confidence: 0.98730606

00:23:46.734 --> 00:23:48.595 okay, and it can actually

NOTE Confidence: 0.98730606

00:23:48.815 --> 00:23:49.475 help you

NOTE Confidence: 0.99968517

00:23:50.255 --> 00:23:52.035 find that right treatment plan.

NOTE Confidence: 0.9898787

00:23:52.440 --> 00:23:53.559 Many of these breast cancers

NOTE Confidence: 0.9898787

00:23:53.559 --> 00:23:54.440 have actually been in the

NOTE Confidence: 0.9898787

00:23:54.440 --> 00:23:56.139 body for quite some time.

NOTE Confidence: 0.9898787

00:23:56.200 --> 00:23:57.880 And so taking

NOTE Confidence: 0.9898787

00:23:57.880 --> 00:23:59.659 those next few weeks

NOTE Confidence: 0.9910166

00:24:00.039 --> 00:24:01.240 to really decide on the

NOTE Confidence: 0.9910166

00:24:01.240 --> 00:24:03.080 right treatment plan has not

NOTE Confidence: 0.9910166

00:24:03.080 --> 00:24:04.359 in any way been shown

NOTE Confidence: 0.9910166

00:24:04.359 --> 00:24:05.179 to be detrimental.

NOTE Confidence: 0.9504376

00:24:06.515 --> 00:24:07.715 It can also open up

NOTE Confidence: 0.9504376

00:24:07.715 --> 00:24:09.654 doors for more novel therapies

NOTE Confidence: 0.9504376

00:24:09.875 --> 00:24:11.234 such as being screened for

NOTE Confidence: 0.9504376

00:24:11.234 --> 00:24:12.994 clinical trials, which we think

NOTE Confidence: 0.9504376

00:24:12.994 --> 00:24:13.975 are super important.

NOTE Confidence: 0.9815722

00:24:16.755 --> 00:24:18.434 I both hear and validate those

NOTE Confidence: 0.9815722

00:24:18.434 --> 00:24:19.794 feelings, and at the same

NOTE Confidence: 0.9815722

00:24:19.794 --> 00:24:21.059 time, I think I

NOTE Confidence: 0.9815722

00:24:21.059 --> 00:24:22.980 can assure my patients that

NOTE Confidence: 0.9815722

00:24:22.980 --> 00:24:24.679 it's okay to

NOTE Confidence: 0.99656576

00:24:24.980 --> 00:24:26.279 take our time.

NOTE Confidence: 0.99656576

00:24:26.419 --> 00:24:27.159 That's great.

NOTE Confidence: 0.979473

00:24:28.580 --> 00:24:29.619 I wanna get back to

NOTE Confidence: 0.979473

00:24:29.619 --> 00:24:31.220 the clinical trials question in

NOTE Confidence: 0.979473

00:24:31.220 --> 00:24:32.419 a moment, but I wanna

NOTE Confidence: 0.979473

00:24:32.419 --> 00:24:33.539 focus a little more on

NOTE Confidence: 0.979473

00:24:33.539 --> 00:24:35.299 the shared decision making piece

NOTE Confidence: 0.979473

00:24:35.299 --> 00:24:35.799 and

NOTE Confidence: 0.9907041

00:24:36.465 --> 00:24:38.065 what goes into making a

NOTE Confidence: 0.9907041

00:24:38.065 --> 00:24:38.565 decision.

NOTE Confidence: 0.9502404

00:24:39.664 --> 00:24:40.865 And there are so many

NOTE Confidence: 0.9502404

00:24:40.865 --> 00:24:42.625 things to consider, obviously, but

NOTE Confidence: 0.9502404

00:24:42.625 --> 00:24:44.225 side effects are one. And

NOTE Confidence: 0.9502404

00:24:44.225 --> 00:24:45.924 side effects that affect

NOTE Confidence: 0.9920323

00:24:46.945 --> 00:24:48.465 people differently based on their

NOTE Confidence: 0.9920323

00:24:48.465 --> 00:24:50.200 age. So one, I think,

NOTE Confidence: 0.9920323

00:24:50.200 --> 00:24:51.880 very prominent example

NOTE Confidence: 0.9920323

00:24:51.880 --> 00:24:52.779 of that is

NOTE Confidence: 0.9972652

00:24:53.320 --> 00:24:53.820 fertility

NOTE Confidence: 0.99945253

00:24:54.119 --> 00:24:54.619 issues

NOTE Confidence: 0.98687506

00:24:55.399 --> 00:24:57.240 and impact on fertility for

NOTE Confidence: 0.98687506

00:24:57.240 --> 00:24:58.840 younger women with breast cancer.

NOTE Confidence: 0.98687506

00:24:58.840 --> 00:24:59.559 So I wonder if you

NOTE Confidence: 0.98687506

00:24:59.559 --> 00:25:00.519 can take a few minutes

NOTE Confidence: 0.98687506

00:25:00.519 --> 00:25:01.659 to talk about that.

NOTE Confidence: 0.9951267

00:25:02.755 --> 00:25:03.655 Yes. Absolutely.

NOTE Confidence: 0.99752253

00:25:04.035 --> 00:25:05.015 So I think,

NOTE Confidence: 0.97442454

00:25:06.835 --> 00:25:08.355 younger women it's one

NOTE Confidence: 0.97442454

00:25:08.355 --> 00:25:09.715 of the central questions that

NOTE Confidence: 0.97442454

00:25:09.715 --> 00:25:11.155 we always ask when when

NOTE Confidence: 0.97442454

00:25:11.155 --> 00:25:12.435 we see patients under the

NOTE Confidence: 0.97442454

00:25:12.435 --> 00:25:14.375 age of forty five is,

NOTE Confidence: 0.97442454

00:25:14.515 --> 00:25:15.555 you know, no matter how

NOTE Confidence: 0.97442454

00:25:15.555 --> 00:25:17.690 many children they've had, fertility

NOTE Confidence: 0.97442454

00:25:17.690 --> 00:25:19.590 is a personal decision and

NOTE Confidence: 0.97442454

00:25:19.590 --> 00:25:21.490 what completes your family or

NOTE Confidence: 0.97442454

00:25:21.490 --> 00:25:22.830 what that looks like to

NOTE Confidence: 0.97442454

00:25:22.830 --> 00:25:24.130 you is a very individual

NOTE Confidence: 0.97442454

00:25:24.269 --> 00:25:24.769 decision.

NOTE Confidence: 0.92234147

00:25:25.389 --> 00:25:27.309 And so in

NOTE Confidence: 0.92234147

00:25:27.309 --> 00:25:29.009 those initial consultations

NOTE Confidence: 0.92234147

00:25:29.230 --> 00:25:30.750 it's very important for

NOTE Confidence: 0.92234147

00:25:30.750 --> 00:25:32.210 your oncology team

NOTE Confidence: 0.9998595

00:25:32.554 --> 00:25:33.595 to be checking in with

NOTE Confidence: 0.9998595

00:25:33.595 --> 00:25:34.095 you

NOTE Confidence: 0.9702646

00:25:34.395 --> 00:25:36.315 about your fertility goals, what's

NOTE Confidence: 0.9702646

00:25:36.315 --> 00:25:37.755 important to you, whether you

NOTE Confidence: 0.9702646

00:25:37.755 --> 00:25:39.755 desire to have more children

NOTE Confidence: 0.9702646

00:25:39.755 --> 00:25:41.035 or any children. And it is part of the

00:25:43.674 --> 00:25:45.350 decision making and

NOTE Confidence: 0.9625071

00:25:45.350 --> 00:25:46.869 taking that time is that

NOTE Confidence: 0.9625071

00:25:46.869 --> 00:25:48.490 there for those who do

NOTE Confidence: 0.9625071

00:25:48.630 --> 00:25:50.790 want to have more children

NOTE Confidence: 0.9625071

00:25:50.790 --> 00:25:51.450 in the future,

NOTE Confidence: 0.9916858

00:25:52.070 --> 00:25:53.270 depending on the type of

NOTE Confidence: 0.9916858

00:25:53.270 --> 00:25:53.770 treatment,

NOTE Confidence: 0.9792205

00:25:55.190 --> 00:25:56.790 I think, taking the time

NOTE Confidence: 0.9792205

00:25:56.790 --> 00:25:58.010 to meet with a fertility

NOTE Confidence: 0.9792205

00:25:58.070 --> 00:26:00.090 special specialist so that

NOTE Confidence: 0.9674625

00:26:01.065 --> 00:26:03.705 certain measures including egg

NOTE Confidence: 0.9674625

00:26:03.705 --> 00:26:05.865 harvest or fertilization are taken.

NOTE Confidence: 0.9674625

00:26:05.865 --> 00:26:07.244 I think that's important.

NOTE Confidence: 0.9674625

00:26:07.544 --> 00:26:08.905 The most toxic of our

NOTE Confidence: 0.9674625

00:26:08.905 --> 00:26:11.005 therapies to fertility is chemotherapy.

NOTE Confidence: 0.8321792

00:26:12.744 --> 00:26:13.225 And,

NOTE Confidence: 0.99985313

00:26:14.700 --> 00:26:15.679 I would say

NOTE Confidence: 0.9356586

00:26:15.980 --> 00:26:16.480 that,

NOTE Confidence: 0.9789073

00:26:17.340 --> 00:26:18.460 there may be some gray

NOTE Confidence: 0.9789073

00:26:18.460 --> 00:26:19.740 zones in terms of when

NOTE Confidence: 0.9789073

00:26:19.740 --> 00:26:21.500 chemotherapy is needed or not.

NOTE Confidence: 0.9789073

00:26:21.500 --> 00:26:22.940 And so that may

NOTE Confidence: 0.9789073

00:26:22.940 --> 00:26:23.980 or may not play a

NOTE Confidence: 0.9789073

00:26:23.980 --> 00:26:25.179 play a factor in

NOTE Confidence: 0.9789073

00:26:25.260 --> 00:26:26.700 that shared decision making

NOTE Confidence: 0.9789073

00:26:26.700 --> 00:26:28.720 that some younger younger women

NOTE Confidence: 0.98986495

00:26:29.260 --> 00:26:29.760 make.

NOTE Confidence: 0.9878915

00:26:31.215 --> 00:26:32.335 But then there are cases

NOTE Confidence: 0.9878915

00:26:32.335 --> 00:26:34.195 where the benefits of chemotherapy

NOTE Confidence: 0.9878915

00:26:34.335 --> 00:26:35.395 are very clearly

NOTE Confidence: 0.8282681

00:26:36.095 --> 00:26:36.595 evident.

NOTE Confidence: 0.9915266

00:26:37.775 --> 00:26:38.255 And,

NOTE Confidence: 0.99173194

00:26:38.734 --> 00:26:40.095 I think patients

NOTE Confidence: 0.99173194

00:26:40.095 --> 00:26:41.375 have some hard decisions to

NOTE Confidence: 0.99173194

00:26:41.375 --> 00:26:42.255 make because

NOTE Confidence: 0.954551

00:26:42.655 --> 00:26:44.320 there are some competing

NOTE Confidence: 0.954551

00:26:44.320 --> 00:26:45.700 factors and competing

NOTE Confidence: 0.9746363

00:26:46.240 --> 00:26:46.740 goals.

NOTE Confidence: 0.9584528

00:26:47.680 --> 00:26:48.640 But I think

NOTE Confidence: 0.95959216

00:26:49.200 --> 00:26:50.160 it doesn't have to be

NOTE Confidence: 0.95959216

00:26:50.160 --> 00:26:51.520 an opposition is what I'm

NOTE Confidence: 0.95959216

00:26:51.520 --> 00:26:52.640 trying to say is that

NOTE Confidence: 0.95959216

00:26:52.640 --> 00:26:54.820 we have wonderful fertility preservation

NOTE Confidence: 0.95959216

00:26:55.119 --> 00:26:56.340 techniques and technologies

00:26:58.494 --> 00:26:59.935 and we know that pregnancy after

NOTE Confidence: 0.99707484

00:26:59.935 --> 00:27:01.234 breast cancer is safe,

NOTE Confidence: 0.94827956

00:27:02.015 --> 00:27:04.655 based on multiple retrospective studies

NOTE Confidence: 0.94827956

00:27:04.655 --> 00:27:05.875 as well as the recently

NOTE Confidence: 0.94827956

00:27:06.015 --> 00:27:08.355 reported prospective positive study.

NOTE Confidence: 0.99305373

NOTE Confidence: 0.9829692

00:27:10.734 --> 00:27:11.775 I think we can we can take

NOTE Confidence: 0.9829692

00:27:11.775 --> 00:27:13.080 the time to

NOTE Confidence: 0.9829692

00:27:13.159 --> 00:27:14.619 really work on both

NOTE Confidence: 0.9828347

00:27:16.200 --> 00:27:17.480 treating the breast cancer in

NOTE Confidence: 0.9828347

00:27:17.480 --> 00:27:19.100 the most comprehensive way,

NOTE Confidence: 0.9468712

00:27:19.559 --> 00:27:20.840 but also kind of

NOTE Confidence: 0.9468712

00:27:20.840 --> 00:27:21.720 looking at some

NOTE Confidence: 0.9468712

00:27:21.720 --> 00:27:23.000 of those long term goals,

NOTE Confidence: 0.9468712

00:27:23.000 --> 00:27:24.859 such as fertility and

NOTE Confidence: 0.9468712

00:27:25.000 --> 00:27:26.059 family creation.

NOTE Confidence: 0.99864864

00:27:26.684 --> 00:27:27.424 That's wonderful.

NOTE Confidence: 0.959601

00:27:27.965 --> 00:27:29.005 I'm sure we can talk

NOTE Confidence: 0.959601

00:27:29.005 --> 00:27:30.365 a whole segment about this

NOTE Confidence: 0.959601

00:27:30.365 --> 00:27:32.845 topic of fertility and cancer

NOTE Confidence: 0.959601

00:27:32.845 --> 00:27:34.924 treatments. But, maybe a

NOTE Confidence: 0.959601

00:27:34.924 --> 00:27:36.365 takeaway point for our

NOTE Confidence: 0.959601

00:27:36.365 --> 00:27:38.225 listeners is ask the question.

NOTE Confidence: 0.959601

00:27:38.460 --> 00:27:39.980 What is the impact of

NOTE Confidence: 0.959601

00:27:39.980 --> 00:27:41.600 the different treatments on fertility?

NOTE Confidence: 0.959601

00:27:41.659 --> 00:27:43.119 What are my options to

NOTE Confidence: 0.991092

00:27:43.899 --> 00:27:45.500 address those

NOTE Confidence: 0.991092

00:27:45.500 --> 00:27:46.700 side effects? So thank you

NOTE Confidence: 0.991092

00:27:46.700 --> 00:27:48.460 for that. Before we close,

NOTE Confidence: 0.991092

00:27:48.460 --> 00:27:49.260 I just wanna give you

NOTE Confidence: 0.991092

00:27:49.260 --> 00:27:50.619 the opportunity to talk again

NOTE Confidence: 0.991092

00:27:50.619 --> 00:27:52.320 about the importance of having

NOTE Confidence: 0.99456054

00:27:52.774 --> 00:27:54.455 access to clinical trials and

NOTE Confidence: 0.99456054

00:27:54.455 --> 00:27:55.975 what that means in terms

NOTE Confidence: 0.99456054

00:27:55.975 --> 00:27:56.715 of treatment.

NOTE Confidence: 0.99901175

00:27:57.894 --> 00:27:58.394 Absolutely.

00:27:59.494 --> 00:28:00.934 It's a good reminder to

NOTE Confidence: 0.997645

00:28:00.934 --> 00:28:02.475 all of us that every

NOTE Confidence: 0.997645

00:28:02.534 --> 00:28:04.695 treatment that's currently known as

NOTE Confidence: 0.997645

00:28:04.695 --> 00:28:06.375 the standard of care or

NOTE Confidence: 0.997645

00:28:06.375 --> 00:28:07.274 current practice

NOTE Confidence: 0.9869723

00:28:07.909 --> 00:28:09.429 actually came from a prior

NOTE Confidence: 0.9869723

00:28:09.429 --> 00:28:11.270 clinical trial from years ago

NOTE Confidence: 0.9869723

00:28:11.270 --> 00:28:12.090 from patients

NOTE Confidence: 0.9998058

00:28:12.869 --> 00:28:13.609 and researchers

NOTE Confidence: 0.9747198

00:28:14.150 --> 00:28:16.090 really working together in partnership

NOTE Confidence: 0.9964138

00:28:16.710 --> 00:28:18.630 to advance the science of

NOTE Confidence: 0.9964138

00:28:18.630 --> 00:28:19.850 breast cancer care.

NOTE Confidence: 0.99255204

00:28:20.789 --> 00:28:22.549 Asking the question in your

NOTE Confidence: 0.99255204

00:28:22.549 --> 00:28:23.049 visits,

NOTE Confidence: 0.98306334

00:28:23.744 --> 00:28:24.945 do I have any clinical

NOTE Confidence: 0.98306334

00:28:24.945 --> 00:28:26.725 trial options available to me,

NOTE Confidence: 0.98306334

00:28:26.945 --> 00:28:28.405 will be a further prompt

NOTE Confidence: 0.98306334

00:28:28.625 --> 00:28:30.545 to your clinical oncology team

NOTE Confidence: 0.98306334

00:28:30.545 --> 00:28:31.825 to make sure that we're

NOTE Confidence: 0.98306334

00:28:31.825 --> 00:28:33.665 not missing any potential opportunities.

NOTE Confidence: 0.98306334

00:28:33.665 --> 00:28:35.984 Doctor Maryam Lustberg

NOTE Confidence: 0.98306334

00:28:35.984 --> 00:28:37.380 is a professor of internal

NOTE Confidence: 0.98306334

00:28:37.380 --> 00:28:39.300 medicine and medical oncology at

NOTE Confidence: 0.98306334

00:28:39.300 --> 00:28:40.680 the Yale School of Medicine.

NOTE Confidence: 0.9753337

00:28:41.300 --> 00:28:42.500 If you have questions, the

NOTE Confidence: 0.9753337

00:28:42.500 --> 00:28:44.100 address is cancer answers at

NOTE Confidence: 0.9753337

00:28:44.100 --> 00:28:45.460 yale dot e d u,

NOTE Confidence: 0.9753337

00:28:45.460 --> 00:28:46.740 and past editions of the

NOTE Confidence: 0.9753337

00:28:46.740 --> 00:28:48.340 program are available in audio

NOTE Confidence: 0.9753337

00:28:48.340 --> 00:28:49.620 and written form at yale

NOTE Confidence: 0.9753337

00:28:49.620 --> 00:28:51.080 cancer center dot org.

NOTE Confidence: 0.99655837

00:28:51.445 --> 00:28:52.404 We hope you'll join us

NOTE Confidence: 0.99655837

00:28:52.404 --> 00:28:53.445 next time to learn more

NOTE Confidence: 0.99655837

00:28:53.445 --> 00:28:54.904 about the fight against cancer.

NOTE Confidence: 0.9579517

00:28:55.205 --> 00:28:56.885 Funding for Yale Cancer Answers

NOTE Confidence: 0.9579517

00:28:56.885 --> 00:28:58.565 is provided by Smilow Cancer

NOTE Confidence: 0.9579517

00:28:58.565 --> 00:28:59.065 Hospital.