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

NOTE Confidence: 0.9374885

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

NOTE Confidence: 0.9374885

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

NOTE Confidence: 0.9512885

00:00:05.920 --> 00:00:07.759 Welcome to Yale Cancer Answers

NOTE Confidence: 0.9512885

00:00:07.759 --> 00:00:08.800 with the director of the

NOTE Confidence: 0.9512885

00:00:08.800 --> 00:00:10.639 Yale Cancer Center, doctor Eric

NOTE Confidence: 0.9512885

00:00:10.639 --> 00:00:11.139 Winer.

NOTE Confidence: 0.99769133

00:00:11.679 --> 00:00:13.860 Yale Cancer Answers features conversations

NOTE Confidence: 0.99769133

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

NOTE Confidence: 0.9735765

00:00:15.120 --> 00:00:16.135 and specialists who are

NOTE Confidence: 0.9735765

00:00:16.135 --> 00:00:17.015 on the forefront of the

NOTE Confidence: 0.9735765

00:00:17.015 --> 00:00:18.315 battle to fight cancer.

NOTE Confidence: 0.94474334

00:00:18.935 --> 00:00:20.235 This week, it's a conversation

NOTE Confidence: 0.94474334

00:00:20.295 --> 00:00:21.815 about breast cancer in young

NOTE Confidence: 0.94474334

00:00:21.815 --> 00:00:23.435 women with doctor Ann Partridge.

NOTE Confidence: 0.9816986

00:00:23.895 --> 00:00:25.494 Doctor Partridge is a professor

NOTE Confidence: 0.9816986

00:00:25.494 --> 00:00:27.175 of medicine at Harvard Medical

NOTE Confidence: 0.9816986

00:00:27.175 --> 00:00:27.675 School.

NOTE Confidence: 0.8526618

00:00:27.975 --> 00:00:29.195 Here's doctor Winer.

NOTE Confidence: 0.9982354

00:00:30.699 --> 00:00:32.400 So we're gonna talk about

NOTE Confidence: 0.9982354

00:00:32.540 --> 00:00:33.840 breast cancer tonight.

NOTE Confidence: 0.9803719

00:00:34.220 --> 00:00:35.340 We're gonna talk about breast

NOTE Confidence: 0.9803719

00:00:35.340 --> 00:00:36.400 cancer specifically in

00:00:37.739 --> 00:00:38.479 young women,

NOTE Confidence: 0.97816914

00:00:39.180 --> 00:00:40.620 and we may stray off

NOTE Confidence: 0.97816914

00:00:40.620 --> 00:00:42.220 into some other areas as

NOTE Confidence: 0.97816914

00:00:42.220 --> 00:00:43.985 well, but that's gonna be

NOTE Confidence: 0.97816914

00:00:43.985 --> 00:00:45.665 the main topic. But before

NOTE Confidence: 0.97816914

00:00:45.665 --> 00:00:46.645 we get there,

NOTE Confidence: 0.9935181

00:00:47.105 --> 00:00:47.825 Ann, if you could just

NOTE Confidence: 0.9935181

00:00:47.825 --> 00:00:48.705 tell us a little bit

NOTE Confidence: 0.9935181

00:00:48.705 --> 00:00:50.145 about how it is you

NOTE Confidence: 0.9935181

00:00:50.145 --> 00:00:51.205 became a doctor

NOTE Confidence: 0.9775607

00:00:51.665 --> 00:00:53.105 and how you wound up

NOTE Confidence: 0.9775607

00:00:53.105 --> 00:00:55.205 doing oncology and breast cancer.

NOTE Confidence: 0.99980843

00:00:55.790 --> 00:00:57.230 My mission to become a

NOTE Confidence: 0.99980843

00:00:57.230 --> 00:00:59.170 doctor started when I was

NOTE Confidence: 0.98317105

00:00:59.470 --> 00:00:59.970 literally

NOTE Confidence: 0.97716457

00:01:00.590 --> 00:01:02.530 in, I think, maybe preschool

NOTE Confidence: 0.93337226

00:01:02.910 --> 00:01:04.130 and then germinated

NOTE Confidence: 0.9966104

00:01:04.510 --> 00:01:05.490 further in

NOTE Confidence: 0.9993197

00:01:05.950 --> 00:01:08.270 elementary school and beyond. I

NOTE Confidence: 0.9993197

00:01:08.270 --> 00:01:09.490 grew up in a family,

NOTE Confidence: 0.94455713

00:01:09.950 --> 00:01:11.925 where my father was the

NOTE Confidence: 0.94455713

00:01:11.925 --> 00:01:13.444 primary parent and he was

NOTE Confidence: 0.94455713

00:01:13.444 --> 00:01:14.185 a surgeon.

NOTE Confidence: 0.9736504

00:01:14.645 --> 00:01:15.925 And he took my siblings

NOTE Confidence: 0.9736504

00:01:15.925 --> 00:01:16.965 and I on rounds with

NOTE Confidence: 0.9736504

00:01:16.965 --> 00:01:17.865 him not infrequently,

NOTE Confidence: 0.98827064

00:01:18.645 --> 00:01:20.005 when this was still allowed.

NOTE Confidence: 0.98827064

00:01:20.005 --> 00:01:20.805 And we spent a lot

NOTE Confidence: 0.98827064

00:01:20.805 --> 00:01:21.925 of time in the nursing

NOTE Confidence: 0.98827064

00:01:21.925 --> 00:01:23.605 stations and eating all the

NOTE Confidence: 0.98827064

00:01:23.605 --> 00:01:24.885 snacks, but we were also

NOTE Confidence: 0.98827064

00:01:24.885 --> 00:01:26.025 very, very engaged

NOTE Confidence: 0.9964689

00:01:26.659 --> 00:01:27.780 by the work he was

NOTE Confidence: 0.9964689

00:01:27.780 --> 00:01:29.539 doing and the meaning of

NOTE Confidence: 0.9964689

00:01:29.539 --> 00:01:30.979 that work for the people

NOTE Confidence: 0.9964689

00:01:30.979 --> 00:01:32.340 he was caring for and

NOTE Confidence: 0.9964689

00:01:32.340 --> 00:01:33.000 to him.

NOTE Confidence: 0.99959135

00:01:33.380 --> 00:01:34.259 And that was,

NOTE Confidence: 0.9900299

00:01:34.659 --> 00:01:36.200 you know, needless to say,

NOTE Confidence: 0.9900299

00:01:36.340 --> 00:01:37.859 life altering in many, many

NOTE Confidence: 0.9900299

00:01:37.859 --> 00:01:39.045 ways for me as a

NOTE Confidence: 0.9900299

00:01:39.125 --> 00:01:40.185 a young impressionable

NOTE Confidence: 0.96839625

00:01:40.645 --> 00:01:41.924 kid. And as I became

NOTE Confidence: 0.96839625

00:01:41.924 --> 00:01:42.584 an adult,

NOTE Confidence: 0.9927656

00:01:43.125 --> 00:01:44.564 I realized that I too

NOTE Confidence: 0.9927656

00:01:44.564 --> 00:01:46.244 wanted to follow that pathway

NOTE Confidence: 0.9927656

00:01:46.244 --> 00:01:47.765 into medicine.

NOTE Confidence: 0.9927656

00:01:47.765 --> 00:01:48.265 And did you occasionally

NOTE Confidence: 0.9908132

00:01:48.725 --> 00:01:50.244 get dragged into rooms with

NOTE Confidence: 0.9908132

00:01:50.244 --> 00:01:50.744 patients,

NOTE Confidence: 0.9826812

00:01:51.980 --> 00:01:53.440 standing next to your father?

NOTE Confidence: 0.9826812

00:01:53.500 --> 00:01:54.700 Oh, yeah. All the time.

NOTE Confidence: 0.9826812

00:01:55.020 --> 00:01:55.900 All the time. And my

NOTE Confidence: 0.9826812

00:01:55.900 --> 00:01:57.660 father, he not

NOTE Confidence: 0.9826812

00:01:57.660 --> 00:01:58.540 only dragged you

NOTE Confidence: 0.9826812

00:01:58.540 --> 00:02:00.160 into rooms with patients, but

NOTE Confidence: 0.9826812

00:02:00.300 --> 00:02:01.180 we could be out in

NOTE Confidence: 0.9826812

00:02:01.180 --> 00:02:02.540 the store. And my father

NOTE Confidence: 0.9826812

00:02:02.540 --> 00:02:03.820 who was a general surgeon,

NOTE Confidence: 0.9826812

00:02:03.820 --> 00:02:06.065 he's retired now, would find

NOTE Confidence: 0.9996907

00:02:06.365 --> 00:02:08.145 a spot on somebody's neck

NOTE Confidence: 0.9821837

00:02:08.764 --> 00:02:09.885 in the line next to

NOTE Confidence: 0.9821837

00:02:09.885 --> 00:02:10.845 him and say, you really

NOTE Confidence: 0.9821837

00:02:10.845 --> 00:02:12.225 should get that checked out.

NOTE Confidence: 0.9821837

00:02:12.445 --> 00:02:13.805 So it was also real

NOTE Confidence: 0.9821837

00:02:13.805 --> 00:02:15.085 world medicine too, and he

NOTE Confidence: 0.9821837

00:02:15.085 --> 00:02:16.125 was often right. There was

NOTE Confidence: 0.9821837

00:02:16.125 --> 00:02:17.580 something not good going on.

NOTE Confidence: 0.9821837

00:02:17.820 --> 00:02:18.860 So we kind of lived

NOTE Confidence: 0.9821837

00:02:18.860 --> 00:02:19.740 it because he was also,

NOTE Confidence: 0.9821837

00:02:19.740 --> 00:02:20.620 you know, helping to take

NOTE Confidence: 0.9821837

00:02:20.620 --> 00:02:21.500 care of the neighbors and

NOTE Confidence: 0.9821837

00:02:21.500 --> 00:02:22.780 the neighbors' kids and things

NOTE Confidence: 0.9821837

00:02:22.780 --> 00:02:23.360 like that.

NOTE Confidence: 0.98793465

00:02:23.660 --> 00:02:24.700 So we lived

NOTE Confidence: 0.98793465

00:02:24.700 --> 00:02:26.139 it as kids.

NOTE Confidence: 0.98793465

00:02:26.139 --> 00:02:27.500 And as I

NOTE Confidence: 0.98793465

00:02:27.500 --> 00:02:29.180 moved into making my

NOTE Confidence: 0.98793465

00:02:29.180 --> 00:02:29.919 own decisions,

NOTE Confidence: 0.9988415

00:02:30.564 --> 00:02:32.245 with that impression, what led

NOTE Confidence: 0.9988415

00:02:32.245 --> 00:02:33.224 me to oncology was

00:02:34.724 --> 00:02:36.644 both the science and the

NOTE Confidence: 0.9992778

00:02:36.644 --> 00:02:37.144 exciting

NOTE Confidence: 0.9847464

00:02:37.525 --> 00:02:38.805 things that were taking off

NOTE Confidence: 0.9847464

00:02:38.805 --> 00:02:40.105 in terms of understanding

NOTE Confidence: 0.97618896

00:02:40.405 --> 00:02:42.325 of why cancers form and

NOTE Confidence: 0.97618896

00:02:42.325 --> 00:02:43.305 how we could better

NOTE Confidence: 0.96887326

00:02:44.200 --> 00:02:45.160 manage and get rid of

NOTE Confidence: 0.96887326

00:02:45.160 --> 00:02:46.060 them for patients,

NOTE Confidence: 0.9842027

00:02:46.600 --> 00:02:48.200 as well as the people

NOTE Confidence: 0.9842027

00:02:48.200 --> 00:02:49.500 who were doing oncology.

NOTE Confidence: 0.9386005

00:02:50.200 --> 00:02:51.340 And finally, the

NOTE Confidence: 0.9994297

00:02:51.640 --> 00:02:53.020 experience with patients

NOTE Confidence: 0.9722753

00:02:53.560 --> 00:02:55.080 over time, helping them to

NOTE Confidence: 0.9722753

00:02:55.080 --> 00:02:56.280 deal with a very, very

NOTE Confidence: 0.9722753

00:02:56.280 --> 00:02:58.044 serious illness at times and

NOTE Confidence: 0.9722753

00:02:58.044 --> 00:02:59.165 to manage that and the

NOTE Confidence: 0.9722753

00:02:59.165 --> 00:03:00.444 privilege of kind of being

NOTE Confidence: 0.9722753

00:03:00.444 --> 00:03:01.485 a part of their journey

NOTE Confidence: 0.9722753

00:03:01.485 --> 00:03:03.005 and helping to navigate them

NOTE Confidence: 0.9722753

00:03:03.005 --> 00:03:03.745 through that.

NOTE Confidence: 0.94597715

00:03:04.605 --> 00:03:05.745 Wow. Well,

NOTE Confidence: 0.9901233

00:03:07.245 --> 00:03:08.845 you've certainly had a great

NOTE Confidence: 0.9901233

00:03:08.845 --> 00:03:09.345 career,

NOTE Confidence: 0.95930797

00:03:10.205 --> 00:03:11.565 so far, not that it's

NOTE Confidence: 0.95930797

00:03:11.565 --> 00:03:13.185 close to being over,

NOTE Confidence: 0.9624538

00:03:14.180 --> 00:03:15.940 in oncology and specifically in

NOTE Confidence: 0.9624538

00:03:15.940 --> 00:03:16.760 breast cancer.

NOTE Confidence: 0.9773805

00:03:17.620 --> 00:03:19.780 So let's talk about young

NOTE Confidence: 0.9773805

00:03:19.780 --> 00:03:21.460 women with breast cancer. And

NOTE Confidence: 0.9773805

00:03:21.460 --> 00:03:22.500 first, maybe you could tell us

00:03:23.300 --> 00:03:24.660 how common a problem is

NOTE Confidence: 0.9645236

00:03:24.660 --> 00:03:25.960 this. If we take

NOTE Confidence: 0.99882567

00:03:26.685 --> 00:03:28.205 women under the age of

NOTE Confidence: 0.99882567

00:03:28.205 --> 00:03:30.205 forty five or fifty, how

NOTE Confidence: 0.99882567

00:03:30.205 --> 00:03:32.305 often is breast cancer diagnosed?

NOTE Confidence: 0.99870753

00:03:33.565 --> 00:03:34.845 So it's not a common

NOTE Confidence: 0.99870753

00:03:34.845 --> 00:03:36.365 problem. We don't want anybody

NOTE Confidence: 0.99870753

00:03:36.365 --> 00:03:36.865 leaving this

00:03:39.005 --> 00:03:41.290 podcast and thinking that this

NOTE Confidence: 0.99384916

00:03:41.290 --> 00:03:41.950 is somehow an epidemic

NOTE Confidence: 0.97931707

00:03:44.490 --> 00:03:46.250 of breast cancer in young

NOTE Confidence: 0.97931707

00:03:46.250 --> 00:03:46.750 adults.

NOTE Confidence: 0.9381865

00:03:47.290 --> 00:03:48.330 But yet it is the

NOTE Confidence: 0.9381865

00:03:48.330 --> 00:03:49.310 most common

NOTE Confidence: 0.99840224

00:03:49.610 --> 00:03:50.750 cancer diagnosed

NOTE Confidence: 0.9978082

00:03:51.050 --> 00:03:51.790 in people

NOTE Confidence: 0.9654325

00:03:52.330 --> 00:03:54.090 who are between twenty and

NOTE Confidence: 0.9654325

00:03:54.090 --> 00:03:55.069 forty five, kind of

00:03:57.195 --> 00:03:57.935 the conventional

NOTE Confidence: 0.89677405

00:03:58.235 --> 00:03:59.455 adolescent young adult

NOTE Confidence: 0.9740919

00:03:59.755 --> 00:04:00.495 age groups,

NOTE Confidence: 0.99359536

00:04:01.275 --> 00:04:02.715 and is certainly the most

NOTE Confidence: 0.99359536

00:04:02.715 --> 00:04:03.855 common in women

NOTE Confidence: 0.99940604

00:04:04.635 --> 00:04:06.015 in terms of young adults.

NOTE Confidence: 0.9840382

00:04:06.555 --> 00:04:08.040 And so it occurs in

NOTE Confidence: 0.9840382

00:04:08.040 --> 00:04:09.159 about depending on where you

NOTE Confidence: 0.9840382

00:04:09.159 --> 00:04:10.680 put the age cutoff, somewhere

NOTE Confidence: 0.9840382

00:04:10.680 --> 00:04:12.760 between ten to sixteen thousand

NOTE Confidence: 0.9840382

00:04:12.760 --> 00:04:13.900 patients a year

NOTE Confidence: 0.94152206

00:04:14.519 --> 00:04:16.279 annually in the US alone,

NOTE Confidence: 0.94152206

00:04:16.279 --> 00:04:17.800 and, of course, many thousands

NOTE Confidence: 0.94152206

00:04:17.800 --> 00:04:18.860 more women worldwide.

NOTE Confidence: 0.9896997

00:04:19.160 --> 00:04:20.440 And would that ten thousand

NOTE Confidence: 0.9896997

00:04:20.440 --> 00:04:22.360 figure be women under the

NOTE Confidence: 0.9896997

00:04:22.360 --> 00:04:23.259 age of forty?

NOTE Confidence: 0.9694502

00:04:23.985 --> 00:04:25.345 Yeah. Ten thousand is about,

NOTE Confidence: 0.9694502

00:04:25.585 --> 00:04:26.705 the numbers for under the

NOTE Confidence: 0.9694502

00:04:26.705 --> 00:04:27.985 age of forty. And one

NOTE Confidence: 0.9694502

00:04:27.985 --> 00:04:29.265 of the latest things is

NOTE Confidence: 0.9694502

00:04:29.265 --> 00:04:30.785 that those numbers appear

NOTE Confidence: 0.9694502

00:04:30.785 --> 00:04:31.985 to be going up, not

NOTE Confidence: 0.9694502

00:04:31.985 --> 00:04:33.825 just the absolute number because

NOTE Confidence: 0.9694502

00:04:33.825 --> 00:04:35.025 our population is growing in

NOTE Confidence: 0.9694502

00:04:35.025 --> 00:04:36.540 the United States, but the

NOTE Confidence: 0.9694502

00:04:36.540 --> 00:04:37.040 frequency

NOTE Confidence: 0.9997909

00:04:37.500 --> 00:04:38.800 with which a person

NOTE Confidence: 0.9220173

00:04:39.180 --> 00:04:40.080 is diagnosed.

NOTE Confidence: 0.99848616

00:04:40.380 --> 00:04:42.139 The likelihood of being diagnosed

NOTE Confidence: 0.99848616

00:04:42.139 --> 00:04:43.740 is actually going up in

NOTE Confidence: 0.99848616

00:04:43.740 --> 00:04:44.639 the young adults.

NOTE Confidence: 0.9728668

00:04:45.100 --> 00:04:46.060 So trying to figure that

NOTE Confidence: 0.9728668

00:04:46.060 --> 00:04:47.419 out is really important because

NOTE Confidence: 0.9728668

00:04:47.419 --> 00:04:48.860 we obviously don't want that

NOTE Confidence: 0.9728668

00:04:48.860 --> 00:04:50.355 to happen more. And that's

NOTE Confidence: 0.9728668

00:04:50.355 --> 00:04:51.875 a change because for years

NOTE Confidence: 0.9728668

00:04:51.875 --> 00:04:53.235 and years, patients would say

NOTE Confidence: 0.9728668

00:04:53.235 --> 00:04:54.195 to us, there seems to

NOTE Confidence: 0.9728668

00:04:54.195 --> 00:04:55.315 be more breast cancer in

NOTE Confidence: 0.9728668

00:04:55.315 --> 00:04:56.055 young women.

NOTE Confidence: 0.96150386

00:04:56.515 --> 00:04:58.515 And we would typically say,

NOTE Confidence: 0.96150386

00:04:58.515 --> 00:05:00.035 no. It's not changing that

NOTE Confidence: 0.96150386

00:05:00.035 --> 00:05:00.915 much. But it's been the

NOTE Confidence: 0.96150386

00:05:00.915 --> 00:05:02.195 past several years that that

NOTE Confidence: 0.96150386

00:05:02.195 --> 00:05:02.695 trend

NOTE Confidence: 0.9924013

00:05:03.075 --> 00:05:04.695 has seemed to emerge.

NOTE Confidence: 0.9325898

00:05:05.069 --> 00:05:06.589 That's exactly right. The latest

NOTE Confidence: 0.9325898

00:05:06.589 --> 00:05:08.110 data suggests

NOTE Confidence: 0.9325898

00:05:08.110 --> 00:05:09.569 the prevalence is growing,

NOTE Confidence: 0.9865481

00:05:10.909 --> 00:05:12.370 per, you know, the population.

NOTE Confidence: 0.9855507

00:05:12.830 --> 00:05:14.189 But, originally, when we first

NOTE Confidence: 0.9855507

00:05:14.189 --> 00:05:15.229 looked into this, as you

NOTE Confidence: 0.9855507

00:05:15.229 --> 00:05:15.870 and I know and as

NOTE Confidence: 0.9855507

00:05:15.870 --> 00:05:16.990 you alluded to, we've been

NOTE Confidence: 0.9855507

00:05:16.990 --> 00:05:18.565 looking at this for two

NOTE Confidence: 0.9855507

00:05:18.565 --> 00:05:19.464 and a half decades.

NOTE Confidence: 0.9763994

00:05:20.085 --> 00:05:21.365 When we first started looking

NOTE Confidence: 0.9763994

00:05:21.365 --> 00:05:22.645 into it, it appeared that

NOTE Confidence: 0.9763994

00:05:22.645 --> 00:05:23.845 it was just the absolute

NOTE Confidence: 0.9763994

00:05:23.845 --> 00:05:25.305 numbers and that the population

NOTE Confidence: 0.9803438

00:05:25.685 --> 00:05:26.964 itself was growing, but that

NOTE Confidence: 0.9803438

00:05:26.964 --> 00:05:28.665 the frequency within the population

NOTE Confidence: 0.9803438

00:05:28.725 --> 00:05:30.185 wasn't growing or the prevalence.

NOTE Confidence: 0.99522746

00:05:30.529 --> 00:05:31.810 But now it does appear

NOTE Confidence: 0.99522746

00:05:31.810 --> 00:05:33.010 that it is

NOTE Confidence: 0.99522746

00:05:33.010 --> 00:05:34.950 growing even within the population,

NOTE Confidence: 0.99522746

00:05:35.250 --> 00:05:36.610 you know, per hundred thousand

NOTE Confidence: 0.99522746

00:05:36.610 --> 00:05:37.110 people.

NOTE Confidence: 0.97314024

00:05:40.690 --> 00:05:42.230 So, breast cancer in young women

NOTE Confidence: 0.97314024

00:05:42.529 --> 00:05:44.205 is in some ways the

NOTE Confidence: 0.97314024

00:05:44.205 --> 00:05:45.565 same and in some ways

NOTE Confidence: 0.97314024

00:05:45.565 --> 00:05:47.005 quite different than breast cancer

NOTE Confidence: 0.97314024

00:05:47.005 --> 00:05:48.065 in older women.

NOTE Confidence: 0.99231994

00:05:48.525 --> 00:05:49.805 And maybe we could start

NOTE Confidence: 0.99231994

00:05:49.805 --> 00:05:50.925 off talking about some of

NOTE Confidence: 0.99231994

00:05:50.925 --> 00:05:53.005 the unique challenges that a

NOTE Confidence: 0.99231994

00:05:53.005 --> 00:05:54.604 young woman faces. And let's

00:05:55.404 --> 00:05:56.945 sort of think about

NOTE Confidence: 0.96848726

00:05:57.449 --> 00:05:59.050 the age cutoff is

NOTE Confidence: 0.96848726

00:05:59.050 --> 00:06:00.509 somewhere in the mid forties.

NOTE Confidence: 0.9991779

00:06:01.930 --> 00:06:03.210 Yeah. So, you know, the

NOTE Confidence: 0.9991779

00:06:03.210 --> 00:06:04.729 way I think about it is

00:06:05.930 --> 00:06:07.210 that many things are the

NOTE Confidence: 0.9617705

00:06:07.210 --> 00:06:08.430 same, and

NOTE Confidence: 0.9656975

00:06:08.889 --> 00:06:10.250 young women, just like old

NOTE Confidence: 0.9656975

00:06:10.250 --> 00:06:10.750 women,

NOTE Confidence: 0.9986229

00:06:11.535 --> 00:06:12.755 care about both

NOTE Confidence: 0.98580325

00:06:13.135 --> 00:06:14.095 how they feel and what

NOTE Confidence: 0.98580325

00:06:14.095 --> 00:06:15.535 they look like and whether

NOTE Confidence: 0.98580325

00:06:15.535 --> 00:06:16.575 they have good sex or

NOTE Confidence: 0.98580325

00:06:16.575 --> 00:06:18.035 not and things like that.

NOTE Confidence: 0.99972403

00:06:18.495 --> 00:06:20.835 But many things are accentuated

NOTE Confidence: 0.9168435

00:06:21.215 --> 00:06:22.275 by being young,

NOTE Confidence: 0.99956226

00:06:22.815 --> 00:06:23.795 and that includes

NOTE Confidence: 0.99524146

00:06:24.175 --> 00:06:26.069 things like where

NOTE Confidence: 0.99524146

00:06:26.069 --> 00:06:27.270 they are in their lives,

NOTE Confidence: 0.99524146

00:06:27.270 --> 00:06:28.490 their role functioning as a

NOTE Confidence: 0.9923253

00:06:28.949 --> 00:06:30.069 young woman

NOTE Confidence: 0.9923253

00:06:30.069 --> 00:06:31.430 is way more likely to

NOTE Confidence: 0.9923253

00:06:31.430 --> 00:06:32.729 be starting a family,

NOTE Confidence: 0.99854684

00:06:33.349 --> 00:06:35.029 starting a new job, trying

NOTE Confidence: 0.99854684

00:06:35.029 --> 00:06:36.169 to finish education,

NOTE Confidence: 0.9707115

00:06:37.430 --> 00:06:38.865 in a newer

NOTE Confidence: 0.9707115

00:06:38.925 --> 00:06:39.425 relationship

NOTE Confidence: 0.98250365

00:06:39.805 --> 00:06:41.005 and trying to work through

NOTE Confidence: 0.98250365

00:06:41.005 --> 00:06:42.925 those kinds of things compared

NOTE Confidence: 0.98250365

00:06:42.925 --> 00:06:44.525 to an older woman. She's

NOTE Confidence: 0.98250365

00:06:44.525 --> 00:06:45.585 also more likely

NOTE Confidence: 0.99942565

00:06:45.964 --> 00:06:46.925 to have a

NOTE Confidence: 0.99942565

00:06:46.925 --> 00:06:48.065 little less resilience.

NOTE Confidence: 0.99969393

00:06:48.525 --> 00:06:49.585 She hasn't seen

NOTE Confidence: 0.9743779

00:06:49.885 --> 00:06:51.005 this

NOTE Confidence: 0.9743779

00:06:51.005 --> 00:06:52.685 in her friends before, most

NOTE Confidence: 0.9743779

00:06:52.685 --> 00:06:53.185 likely.

NOTE Confidence: 0.95135444

00:06:53.569 --> 00:06:55.089 She probably cares a little

NOTE Confidence: 0.95135444

00:06:55.089 --> 00:06:56.289 bit more than some older

NOTE Confidence: 0.95135444

00:06:56.289 --> 00:06:57.410 women about

NOTE Confidence: 0.95135444

00:06:57.410 --> 00:06:59.569 her physical health in terms

NOTE Confidence: 0.95135444

00:06:59.569 --> 00:07:01.330 of her sexual health and

NOTE Confidence: 0.95135444

00:07:01.330 --> 00:07:02.389 her body image.

NOTE Confidence: 0.9798179

00:07:02.690 --> 00:07:04.130 Not that older women don't

NOTE Confidence: 0.9798179

00:07:04.130 --> 00:07:05.889 care.

NOTE Confidence: 0.9798179

00:07:05.889 --> 00:07:07.089 It's really just a kind

NOTE Confidence: 0.9798179

00:07:07.089 --> 00:07:09.185 of highlighting

NOTE Confidence: 0.9798179

00:07:09.245 --> 00:07:10.685 it more, feeling it more

NOTE Confidence: 0.9798179

00:07:10.685 --> 00:07:12.125 as a younger woman on

NOTE Confidence: 0.9798179

00:07:12.125 --> 00:07:13.645 average. Not all women,

NOTE Confidence: 0.9798179

00:07:13.645 --> 00:07:15.085 of course. And then there

NOTE Confidence: 0.9798179

00:07:15.085 --> 00:07:16.365 are things that are unique

NOTE Confidence: 0.9798179

00:07:16.365 --> 00:07:17.344 to being young,

NOTE Confidence: 0.981721

00:07:18.125 --> 00:07:19.485 or way more common when

NOTE Confidence: 0.981721

00:07:19.485 --> 00:07:20.844 you're young, like, you know,

NOTE Confidence: 0.981721

00:07:20.844 --> 00:07:21.344 fertility.

NOTE Confidence: 0.9872072

00:07:21.850 --> 00:07:22.970 A young person, if you

NOTE Confidence: 0.9872072

00:07:22.970 --> 00:07:24.010 cut it off at forty,

NOTE Confidence: 0.9872072

00:07:24.010 --> 00:07:25.210 your average forty five year

NOTE Confidence: 0.9872072

00:07:25.210 --> 00:07:26.170 old, if they're gonna have

NOTE Confidence: 0.9872072

00:07:26.170 --> 00:07:27.210 kids, is done with having

NOTE Confidence: 0.9872072

00:07:27.210 --> 00:07:29.210 kids, whereas your average thirty,

NOTE Confidence: 0.9872072

00:07:29.210 --> 00:07:30.830 thirty five year old, probably is

NOTE Confidence: 0.9872072

00:07:30.890 --> 00:07:32.570 not. The importance there

NOTE Confidence: 0.9872072

00:07:32.570 --> 00:07:34.330 is that if someone gets

NOTE Confidence: 0.9872072

00:07:34.330 --> 00:07:34.830 chemotherapy,

NOTE Confidence: 0.9266745

00:07:35.290 --> 00:07:36.750 they're at risk

NOTE Confidence: 0.9266745

00:07:37.015 --> 00:07:37.835 to potentially

NOTE Confidence: 0.94549483

00:07:38.295 --> 00:07:39.275 lose that fertility.

NOTE Confidence: 0.97297883

00:07:39.895 --> 00:07:41.495 Exactly. The treatments kind of

NOTE Confidence: 0.97297883

00:07:41.495 --> 00:07:43.655 impact fertility directly. And then

NOTE Confidence: 0.97297883

00:07:43.655 --> 00:07:44.775 the majority of young women

NOTE Confidence: 0.97297883

00:07:44.775 --> 00:07:46.455 will have hormone sensitive breast

NOTE Confidence: 0.97297883

00:07:46.455 --> 00:07:48.155 cancer, breast cancer that expresses

NOTE Confidence: 0.9911476

00:07:48.455 --> 00:07:50.315 estrogen or progesterone receptor.

NOTE Confidence: 0.97215873

00:07:50.615 --> 00:07:51.815 And as you know, we

NOTE Confidence: 0.97215873

00:07:51.815 --> 00:07:52.315 use

NOTE Confidence: 0.9423728

00:07:52.870 --> 00:07:54.310 that to treat them, and

NOTE Confidence: 0.9423728

00:07:54.310 --> 00:07:55.290 we use antiestrogens

NOTE Confidence: 0.9973331

00:07:55.830 --> 00:07:57.210 or lower their estrogen

NOTE Confidence: 0.9904649

00:07:57.510 --> 00:07:58.550 to try and treat them

NOTE Confidence: 0.9904649

00:07:58.550 --> 00:07:59.590 to help make their breast

NOTE Confidence: 0.9904649

00:07:59.590 --> 00:08:00.710 cancer not come back or

NOTE Confidence: 0.9904649

00:08:00.710 --> 00:08:01.910 keep it under control. And

NOTE Confidence: 0.9904649

00:08:01.910 --> 00:08:03.130 during that time,

NOTE Confidence: 0.9435583

00:08:04.070 --> 00:08:05.190 you should not get

NOTE Confidence: 0.9435583

00:08:05.190 --> 00:08:07.190 pregnant because those treatments can

NOTE Confidence: 0.9435583

00:08:07.190 --> 00:08:08.805 cause birth defects and or

NOTE Confidence: 0.9435583

00:08:08.805 --> 00:08:10.325 you can't become pregnant because

NOTE Confidence: 0.9435583

00:08:10.325 --> 00:08:11.705 your ovaries are suppressed.

NOTE Confidence: 0.9633097

00:08:12.085 --> 00:08:13.205 And so there's a time

NOTE Confidence: 0.9633097

00:08:13.205 --> 00:08:14.485 issue there where the ovaries

NOTE Confidence: 0.9633097

00:08:14.485 --> 00:08:15.445 are aging, and that's a

NOTE Confidence: 0.9633097

00:08:15.445 --> 00:08:16.405 hard one for our young

NOTE Confidence: 0.9633097

00:08:16.405 --> 00:08:17.845 patients who haven't completed their

NOTE Confidence: 0.9633097

00:08:17.845 --> 00:08:19.445 families or even started them.

NOTE Confidence: 0.9633097

00:08:19.445 --> 00:08:22.005 And oftentimes, those hormonal treatments

NOTE Confidence: 0.9633097

00:08:22.005 --> 00:08:23.845 are particularly difficult for younger

NOTE Confidence: 0.9633097

00:08:23.845 --> 00:08:24.300 women.

NOTE Confidence: 0.9772672

00:08:24.860 --> 00:08:26.539 Very much so. You know,

NOTE Confidence: 0.9772672

00:08:26.539 --> 00:08:27.580 again, not to say that

NOTE Confidence: 0.9772672

00:08:27.580 --> 00:08:28.960 these treatments are a cakewalk

NOTE Confidence: 0.9772672

00:08:29.020 --> 00:08:30.780 for our older women, but

NOTE Confidence: 0.9772672

00:08:30.780 --> 00:08:32.640 for our younger women who,

NOTE Confidence: 0.9772672

00:08:32.779 --> 00:08:34.160 you know, they're not

NOTE Confidence: 0.9753442

00:08:34.620 --> 00:08:36.160 starting to have hot flashes.

NOTE Confidence: 0.9982611

00:08:36.700 --> 00:08:37.200 They,

NOTE Confidence: 0.9865642

00:08:38.255 --> 00:08:39.934 are often kind

NOTE Confidence: 0.9865642

00:08:39.934 --> 00:08:41.535 of not even close to

NOTE Confidence: 0.9865642

00:08:41.535 --> 00:08:43.295 menopause by their age

NOTE Confidence: 0.9865642

00:08:43.295 --> 00:08:44.195 or their physiology.

NOTE Confidence: 0.9993592

00:08:44.975 --> 00:08:46.095 And then when we give

NOTE Confidence: 0.9993592

00:08:46.095 --> 00:08:47.615 them things that lower their

NOTE Confidence: 0.9993592

00:08:47.615 --> 00:08:49.475 estrogen or block it completely,

NOTE Confidence: 0.97977084

00:08:50.095 --> 00:08:51.695 they can become very, very

NOTE Confidence: 0.97977084

00:08:51.695 --> 00:08:52.195 symptomatic,

NOTE Confidence: 0.9882139

00:08:53.150 --> 00:08:54.990 and often also are

NOTE Confidence: 0.9882139

00:08:54.990 --> 00:08:56.590 not as equipped because, again,

NOTE Confidence: 0.9882139

00:08:56.590 --> 00:08:57.870 their friends aren't dealing with

NOTE Confidence: 0.9882139

00:08:57.870 --> 00:08:59.230 this. Their friends instead are

NOTE Confidence: 0.9882139

00:08:59.230 --> 00:09:00.270 having babies or going to

NOTE Confidence: 0.9882139

00:09:00.270 --> 00:09:01.550 a club or, you know,

NOTE Confidence: 0.9882139

00:09:01.550 --> 00:09:03.470 finishing school. They don't have

NOTE Confidence: 0.9882139

00:09:03.470 --> 00:09:04.830 all the help to support

NOTE Confidence: 0.9882139

00:09:04.830 --> 00:09:06.030 them on managing of the

NOTE Confidence: 0.9882139

00:09:06.030 --> 00:09:08.475 various symptoms that are typical

NOTE Confidence: 0.9882139

00:09:08.535 --> 00:09:09.655 for women who are in

NOTE Confidence: 0.9882139

00:09:09.655 --> 00:09:10.715 middle age.

NOTE Confidence: 0.99829197

00:09:11.095 --> 00:09:12.315 And there's some

NOTE Confidence: 0.9991315

00:09:12.615 --> 00:09:14.554 popular folklore out there

NOTE Confidence: 0.98769563

00:09:14.855 --> 00:09:16.615 that somehow breast cancer in

NOTE Confidence: 0.98769563

00:09:16.615 --> 00:09:17.995 young women is

NOTE Confidence: 0.9991164

00:09:18.615 --> 00:09:20.709 much worse and that young

NOTE Confidence: 0.9991164

00:09:20.709 --> 00:09:22.970 women are far more likely

NOTE Confidence: 0.97309124

00:09:23.429 --> 00:09:24.630 to lose their lives from

NOTE Confidence: 0.97309124

00:09:24.630 --> 00:09:26.410 breast cancer than older women.

NOTE Confidence: 0.97309124

00:09:26.550 --> 00:09:27.829 Can you comment on that

NOTE Confidence: 0.97309124

00:09:27.829 --> 00:09:29.190 and to what extent

NOTE Confidence: 0.97309124

00:09:29.190 --> 00:09:30.309 that is true or not true?

NOTE Confidence: 0.99746394

00:09:33.995 --> 00:09:35.295 From a disease standpoint

NOTE Confidence: 0.95780617

00:09:35.755 --> 00:09:37.515 and a psychosocial standpoint, an

NOTE Confidence: 0.95780617

00:09:37.515 --> 00:09:38.955 emotional standpoint, if you look

NOTE Confidence: 0.95780617

00:09:38.955 --> 00:09:40.015 at a big picture,

NOTE Confidence: 0.9763912

00:09:40.795 --> 00:09:42.655 that folklore is actually true.

NOTE Confidence: 0.9763912

00:09:42.715 --> 00:09:44.235 On average, if you're diagnosed

NOTE Confidence: 0.9763912

00:09:44.235 --> 00:09:45.215 with breast cancer,

NOTE Confidence: 0.99936855

00:09:45.755 --> 00:09:46.495 you are

NOTE Confidence: 0.99976903

00:09:47.090 --> 00:09:47.990 less likely

NOTE Confidence: 0.9765863

00:09:48.530 --> 00:09:50.070 than an older woman to

00:09:52.050 --> 00:09:53.410 make it through and not

NOTE Confidence: 0.97527075

00:09:53.410 --> 00:09:54.690 die of breast cancer. Meaning

NOTE Confidence: 0.97527075

00:09:54.690 --> 00:09:55.890 you're more likely to die

NOTE Confidence: 0.97527075

00:09:55.890 --> 00:09:57.510 of breast cancer on average.

NOTE Confidence: 0.97527075

00:09:57.730 --> 00:09:59.375 And you are also more

NOTE Confidence: 0.97527075

00:09:59.375 --> 00:10:01.774 likely to suffer emotionally in

NOTE Confidence: 0.97527075

00:10:01.774 --> 00:10:03.535 follow-up, including long term follow-up.

NOTE Confidence: 0.97527075

00:10:03.535 --> 00:10:04.335 That's part of the reason

NOTE Confidence: 0.97527075

00:10:04.335 --> 00:10:05.695 I started focusing on this

NOTE Confidence: 0.97527075

00:10:05.695 --> 00:10:06.895 because I said, how can

NOTE Confidence: 0.97527075

00:10:06.895 --> 00:10:08.335 we fix that disparity? Young

NOTE Confidence: 0.97527075

00:10:08.335 --> 00:10:10.195 women are a more disparate

NOTE Confidence: 0.97527075

00:10:10.495 --> 00:10:12.175 group from a medical and

NOTE Confidence: 0.97527075

00:10:12.175 --> 00:10:13.395 an emotional standpoint.

NOTE Confidence: 0.99975854

00:10:14.130 --> 00:10:15.750 But that's the big picture.

NOTE Confidence: 0.99984515

00:10:16.450 --> 00:10:17.110 The important

NOTE Confidence: 0.9997828

00:10:17.570 --> 00:10:19.410 message inside that big picture is

00:10:20.370 --> 00:10:22.210 most young women will be

NOTE Confidence: 0.97285116

00:10:22.210 --> 00:10:23.650 long term survivors and will

NOTE Confidence: 0.97285116

00:10:23.650 --> 00:10:25.650 not only survive, but hopefully

NOTE Confidence: 0.97285116

00:10:25.650 --> 00:10:27.350 thrive through their breast cancer.

NOTE Confidence: 0.9992989

00:10:27.855 --> 00:10:29.054 And that's getting better and

NOTE Confidence: 0.9992989

00:10:29.054 --> 00:10:30.595 better with our medical advancements.

NOTE Confidence: 0.9994178

00:10:31.375 --> 00:10:32.035 And then

NOTE Confidence: 0.96510947

00:10:32.975 --> 00:10:34.895 young women don't develop just

NOTE Confidence: 0.96510947

00:10:34.895 --> 00:10:36.334 one breast cancer just like

NOTE Confidence: 0.96510947

00:10:36.334 --> 00:10:37.934 older women don't develop like

NOTE Confidence: 0.96510947

00:10:37.934 --> 00:10:39.774 some, you know, monolith of

NOTE Confidence: 0.96510947

00:10:39.774 --> 00:10:41.295 the same exact breast cancer.

NOTE Confidence: 0.96510947

00:10:41.295 --> 00:10:42.274 There's a spectrum.

NOTE Confidence: 0.992644

00:10:43.080 --> 00:10:44.520 And young women are more

NOTE Confidence: 0.992644

00:10:44.520 --> 00:10:45.960 likely to be diagnosed

NOTE Confidence: 0.992644

00:10:45.960 --> 00:10:47.740 with more aggressive breast cancer,

NOTE Confidence: 0.9762635

00:10:48.200 --> 00:10:49.240 but they can also be

NOTE Confidence: 0.9762635

00:10:49.240 --> 00:10:51.180 diagnosed with not so aggressive

NOTE Confidence: 0.9762635

00:10:51.240 --> 00:10:51.980 breast cancers.

NOTE Confidence: 0.99009633

00:10:52.760 --> 00:10:54.680 And that don't warrant, you

NOTE Confidence: 0.99009633

00:10:54.680 --> 00:10:56.380 know, major aggressive therapies

NOTE Confidence: 0.9649371

00:10:56.680 --> 00:10:57.900 as in, you know, chemotherapy

NOTE Confidence: 0.97952205

00:10:58.360 --> 00:11:00.434 or mega treatments.

NOTE Confidence: 0.97952205

00:11:00.655 --> 00:11:01.395 And so

NOTE Confidence: 0.97482276

00:11:02.015 --> 00:11:03.375 just like with older women,

NOTE Confidence: 0.97482276

00:11:03.375 --> 00:11:04.815 but perhaps even more so

NOTE Confidence: 0.97482276

00:11:04.815 --> 00:11:06.735 with younger women where everybody's

NOTE Confidence: 0.97482276

00:11:06.735 --> 00:11:08.015 worried and wants to, you

NOTE Confidence: 0.97482276

00:11:08.015 --> 00:11:09.295 know, make sure they get

NOTE Confidence: 0.97482276

00:11:09.295 --> 00:11:10.335 rid of the cancer, they

NOTE Confidence: 0.97482276

00:11:10.335 --> 00:11:11.235 have to be careful

NOTE Confidence: 0.961217

00:11:11.640 --> 00:11:13.320 that they're tailor the treatment.

NOTE Confidence: 0.961217

00:11:13.320 --> 00:11:14.200 We have to be careful

NOTE Confidence: 0.961217

00:11:14.200 --> 00:11:15.800 to tailor the treatment to

NOTE Confidence: 0.961217

00:11:15.800 --> 00:11:16.540 the disease

NOTE Confidence: 0.9553716

00:11:16.920 --> 00:11:18.120 in the context of the

NOTE Confidence: 0.9553716

00:11:18.120 --> 00:11:19.559 human being who's, you know,

NOTE Confidence: 0.9553716

00:11:19.559 --> 00:11:21.420 unfortunately been diagnosed with it.

NOTE Confidence: 0.9553716

00:11:21.480 --> 00:11:23.160 So it's a nuanced answer

NOTE Confidence: 0.9553716

00:11:23.160 --> 00:11:24.780 that is yes on average,

NOTE Confidence: 0.9715588

00:11:25.875 --> 00:11:27.074 but the message is most

NOTE Confidence: 0.9715588

00:11:27.074 --> 00:11:28.214 women will be okay,

NOTE Confidence: 0.9968159

00:11:28.595 --> 00:11:30.035 and we have to be

NOTE Confidence: 0.9968159

00:11:30.035 --> 00:11:31.415 careful not to overtreat

NOTE Confidence: 0.99675584

00:11:31.795 --> 00:11:33.154 our young women because we're

NOTE Confidence: 0.99675584

00:11:33.154 --> 00:11:34.134 worried about them.

NOTE Confidence: 0.96728367

00:11:34.595 --> 00:11:36.274 And that yes on average

NOTE Confidence: 0.96728367

00:11:36.274 --> 00:11:38.115 applies mostly to women under

NOTE Confidence: 0.96728367

00:11:38.115 --> 00:11:39.095 the age of forty,

NOTE Confidence: 0.97101706

00:11:39.750 --> 00:11:41.370 maybe less so in women

NOTE Confidence: 0.97101706

00:11:41.670 --> 00:11:42.790 who are in their

NOTE Confidence: 0.97101706

00:11:42.790 --> 00:11:44.330 fifth decade or between

NOTE Confidence: 0.96367073

00:11:45.510 --> 00:11:47.190 forty and forty nine.

NOTE Confidence: 0.96367073

00:11:47.190 --> 00:11:48.950 And, absolutely, young age is

NOTE Confidence: 0.96367073

00:11:48.950 --> 00:11:50.550 a moving moving target for as you know.

00:11:55.055 --> 00:11:56.495 When I'm

NOTE Confidence: 0.9712921

00:11:56.495 --> 00:11:58.355 thinking about the age disparity,

NOTE Confidence: 0.9712921

00:11:58.495 --> 00:12:00.015 it really is the under

NOTE Confidence: 0.9712921

00:12:00.015 --> 00:12:01.535 forty and particularly the under

NOTE Confidence: 0.9712921

00:12:01.535 --> 00:12:03.535 thirty five on average when

NOTE Confidence: 0.9712921

00:12:03.535 --> 00:12:04.415 we've looked at this on

NOTE Confidence: 0.9712921

00:12:04.415 --> 00:12:06.495 a population basis. Actually, women

NOTE Confidence: 0.9712921

00:12:06.495 --> 00:12:08.100 in their forties, which is

NOTE Confidence: 0.9712921

00:12:08.259 --> 00:12:09.779 still young, but not our

NOTE Confidence: 0.9712921

00:12:09.779 --> 00:12:10.279 conventional

NOTE Confidence: 0.9367593

00:12:10.660 --> 00:12:12.019 very young, women in their

NOTE Confidence: 0.9367593

00:12:12.019 --> 00:12:13.399 forties actually do the best

NOTE Confidence: 0.9992509

00:12:13.940 --> 00:12:15.880 in terms of their overall

NOTE Confidence: 0.9992509

00:12:16.100 --> 00:12:16.600 survival.

NOTE Confidence: 0.99507374

00:12:17.380 --> 00:12:18.819 They do have issues, and

NOTE Confidence: 0.99507374

00:12:18.819 --> 00:12:19.860 it depends on where they

NOTE Confidence: 0.99507374

00:12:19.860 --> 00:12:21.365 are in their lives with

NOTE Confidence: 0.99507374

00:12:21.365 --> 00:12:22.804 regard to the emotional things.

NOTE Confidence: 0.99507374

00:12:22.804 --> 00:12:23.605 And, of course, some of

NOTE Confidence: 0.99507374

00:12:23.605 --> 00:12:25.065 them still wanna have babies

NOTE Confidence: 0.99507374

00:12:25.204 --> 00:12:26.885 and are, you know, younger

NOTE Confidence: 0.99507374

00:12:26.885 --> 00:12:28.005 in terms of their goals

NOTE Confidence: 0.99507374

00:12:28.005 --> 00:12:29.045 in life. And so that's

NOTE Confidence: 0.99507374

00:12:29.045 --> 00:12:30.325 why we think about them

NOTE Confidence: 0.99507374

00:12:30.325 --> 00:12:31.704 when we think about supporting

NOTE Confidence: 0.99507374

00:12:31.764 --> 00:12:32.665 them more,

NOTE Confidence: 0.99438196

00:12:33.650 --> 00:12:34.770 and tend to target women

NOTE Confidence: 0.99438196

00:12:34.770 --> 00:12:36.130 into their mid forties to

NOTE Confidence: 0.99438196

00:12:36.130 --> 00:12:37.490 allow them to define their

NOTE Confidence: 0.99438196

00:12:37.490 --> 00:12:38.950 own young.

00:12:40.850 --> 00:12:42.770 And this idea of age being

NOTE Confidence: 0.99438196

00:12:42.770 --> 00:12:43.830 a moving target,

NOTE Confidence: 0.9725252

00:12:44.690 --> 00:12:46.130 at the risk of

NOTE Confidence: 0.9725252

00:12:46.130 --> 00:12:47.885 teasing you a bit, I

NOTE Confidence: 0.9725252

00:12:47.885 --> 00:12:50.065 do remember when the program

NOTE Confidence: 0.9725252

00:12:50.125 --> 00:12:51.565 that you started at Dana

NOTE Confidence: 0.9725252

00:12:51.565 --> 00:12:53.725 Farber focused on breast cancer

NOTE Confidence: 0.9725252

00:12:53.725 --> 00:12:55.665 in young women when initially

NOTE Confidence: 0.9725252

00:12:55.725 --> 00:12:57.885 the age cutoff was forty-two, and

00:13:00.350 --> 00:13:02.030 as you advanced in age, that

NOTE Confidence: 0.9655543

00:13:02.030 --> 00:13:03.470 cutoff went up

NOTE Confidence: 0.9655543

00:13:03.470 --> 00:13:04.290 a few years.

NOTE Confidence: 0.9909061

00:13:04.830 --> 00:13:05.950 That went up for other

NOTE Confidence: 0.9909061

00:13:05.950 --> 00:13:07.410 reasons, but it was coincident

NOTE Confidence: 0.9909061

00:13:07.630 --> 00:13:08.690 with my aging out of it.

NOTE Confidence: 0.9129079

00:13:09.870 --> 00:13:11.310 I was happy to

NOTE Confidence: 0.9129079

00:13:11.310 --> 00:13:13.150 not to have fortunately, have

NOTE Confidence: 0.9129079

00:13:13.150 --> 00:13:14.350 become a member. But that

NOTE Confidence: 0.9129079

00:13:14.350 --> 00:13:16.745 being said, yeah, age

00:13:17.865 --> 00:13:19.065 is a state of mind. But that being said,

00:13:21.865 --> 00:13:23.145 I think we target and

NOTE Confidence: 0.9714049

00:13:23.145 --> 00:13:24.585 think about women who are

NOTE Confidence: 0.9714049

00:13:24.585 --> 00:13:26.105 in their thirties and early

NOTE Confidence: 0.9714049

00:13:26.105 --> 00:13:27.225 forties for

NOTE Confidence: 0.9714049

00:13:27.225 --> 00:13:28.525 the structure and the programmatic

NOTE Confidence: 0.9714049

00:13:28.665 --> 00:13:29.785 approaches. But when we think

NOTE Confidence: 0.9714049

00:13:29.785 --> 00:13:31.145 about, you know, where the

NOTE Confidence: 0.9714049

00:13:31.145 --> 00:13:31.645 disparate

NOTE Confidence: 0.97235155

00:13:32.019 --> 00:13:33.300 outcomes are, it's really from

NOTE Confidence: 0.97235155

00:13:33.300 --> 00:13:34.740 a disease standpoint, it is

NOTE Confidence: 0.97235155

00:13:34.740 --> 00:13:36.100 the younger women,

NOTE Confidence: 0.97235155

00:13:36.100 --> 00:13:37.540 the very young women. The

NOTE Confidence: 0.97235155

00:13:37.540 --> 00:13:38.420 one thing I wanted to

NOTE Confidence: 0.97235155

00:13:38.420 --> 00:13:39.940 add is there's also the

NOTE Confidence: 0.97235155

00:13:39.940 --> 00:13:40.920 genetic component.

NOTE Confidence: 0.9836553

00:13:41.459 --> 00:13:42.579 And we talked

NOTE Confidence: 0.9836553

00:13:42.579 --> 00:13:43.540 a little bit about the

NOTE Confidence: 0.9836553

00:13:43.540 --> 00:13:44.440 disease itself,

NOTE Confidence: 0.99878556

00:13:44.925 --> 00:13:45.885 but one of the things

NOTE Confidence: 0.99878556

00:13:45.885 --> 00:13:47.005 that's kind of a hallmark

NOTE Confidence: 0.99878556

00:13:47.005 --> 00:13:48.525 of young onset breast cancer

NOTE Confidence: 0.99878556

00:13:48.525 --> 00:13:50.205 is there's a much higher

NOTE Confidence: 0.99878556

00:13:50.205 --> 00:13:52.684 likelihood of having a genetic

NOTE Confidence: 0.99878556

00:13:52.684 --> 00:13:54.365 predisposition to the disease when

NOTE Confidence: 0.99878556

00:13:54.365 --> 00:13:55.885 you're diagnosed as a young

NOTE Confidence: 0.99878556

00:13:55.885 --> 00:13:56.385 woman.

NOTE Confidence: 0.9881561

00:13:57.420 --> 00:13:58.620 If you include some of

NOTE Confidence: 0.9881561

00:13:58.620 --> 00:14:00.320 the newer genetic changes,

NOTE Confidence: 0.9892574

00:14:01.260 --> 00:14:02.380 that you can find in

NOTE Confidence: 0.9892574

00:14:02.380 --> 00:14:03.420 genes that we now know

NOTE Confidence: 0.9892574

00:14:03.420 --> 00:14:05.179 increase risk of breast breast

NOTE Confidence: 0.9892574

00:14:05.179 --> 00:14:06.460 cancer, if you look at

NOTE Confidence: 0.9892574

00:14:06.460 --> 00:14:08.540 women under forty and certainly

NOTE Confidence: 0.9892574

00:14:08.540 --> 00:14:09.820 under thirty five, it's almost

NOTE Confidence: 0.9892574

00:14:09.820 --> 00:14:11.440 a twenty five percent chance

NOTE Confidence: 0.9938816

00:14:12.155 --> 00:14:13.675 of finding if they're diagnosed

NOTE Confidence: 0.9938816

00:14:13.675 --> 00:14:15.115 with breast cancer that young,

NOTE Confidence: 0.9938816

00:14:15.115 --> 00:14:16.075 there's about a one in

NOTE Confidence: 0.9938816

00:14:16.075 --> 00:14:17.515 four chance of finding one

NOTE Confidence: 0.9938816

00:14:17.515 --> 00:14:19.355 of these hereditary predisposition. And

NOTE Confidence: 0.9938816

00:14:19.355 --> 00:14:20.255 that's in contrast

NOTE Confidence: 0.9901689

00:14:20.875 --> 00:14:22.715 to older women where that's

NOTE Confidence: 0.9901689

00:14:22.715 --> 00:14:23.835 more like a

NOTE Confidence: 0.9901689

00:14:23.835 --> 00:14:25.620 ten percent chance, which has

NOTE Confidence: 0.9901689

00:14:25.620 --> 00:14:27.800 both ramifications for their treatment,

NOTE Confidence: 0.98524445

00:14:28.340 --> 00:14:29.620 both what they choose

NOTE Confidence: 0.98524445

00:14:29.620 --> 00:14:30.820 to do from their breast

NOTE Confidence: 0.98524445

00:14:30.820 --> 00:14:32.020 cancer, the breast

NOTE Confidence: 0.98524445

00:14:32.020 --> 00:14:34.180 surgeries and treatment locally, as

NOTE Confidence: 0.98524445

00:14:34.180 --> 00:14:35.460 well as now what kinds

NOTE Confidence: 0.98524445

00:14:35.460 --> 00:14:36.200 of treatments

NOTE Confidence: 0.9131711

00:14:36.740 --> 00:14:37.240 systemically,

NOTE Confidence: 0.9835044

00:14:37.700 --> 00:14:38.900 you know, the medicines they

NOTE Confidence: 0.9835044

00:14:38.900 --> 00:14:40.100 can take to treat their

NOTE Confidence: 0.9835044

00:14:40.100 --> 00:14:42.225 cancer. And it also obviously

NOTE Confidence: 0.9835044

00:14:42.225 --> 00:14:43.665 has implications for their loved

NOTE Confidence: 0.9835044

00:14:43.665 --> 00:14:45.285 ones and their blood relatives

NOTE Confidence: 0.97146434

00:14:45.904 --> 00:14:47.665 who may also be at

NOTE Confidence: 0.97146434

00:14:47.665 --> 00:14:48.165 risk

NOTE Confidence: 0.99847996

00:14:48.545 --> 00:14:50.144 by virtue of having a

NOTE Confidence: 0.99847996

00:14:50.144 --> 00:14:51.125 genetic predisposition.

00:14:52.384 --> 00:14:53.970 And knowledge is

NOTE Confidence: 0.967234

00:14:53.970 --> 00:14:55.010 power, but that can also

NOTE Confidence: 0.967234

00:14:55.010 --> 00:14:56.870 make people quite distressed because,

NOTE Confidence: 0.967234

00:14:57.010 --> 00:14:57.810 of course, you don't want

NOTE Confidence: 0.967234

00:14:57.810 --> 00:14:59.170 your own self to have

NOTE Confidence: 0.967234

00:14:59.170 --> 00:15:00.210 cancer, but god knows you

NOTE Confidence: 0.967234

00:15:00.210 --> 00:15:01.270 don't want your children

NOTE Confidence: 0.98827213

00:15:01.650 --> 00:15:02.770 or your loved ones to

NOTE Confidence: 0.98827213

00:15:02.770 --> 00:15:04.690 be diagnosed potentially with

NOTE Confidence: 0.98827213

00:15:04.690 --> 00:15:05.865 a cancer. So it adds to the

00:15:06.985 --> 00:15:09.165 psychosocial distress these patients face.

NOTE Confidence: 0.98827213

00:15:09.464 --> 00:15:10.825 We're gonna take just

NOTE Confidence: 0.98827213

00:15:10.825 --> 00:15:12.105 a very brief break. And

NOTE Confidence: 0.98827213

00:15:12.105 --> 00:15:13.625 when we come back, we'll

NOTE Confidence: 0.98827213

00:15:13.625 --> 00:15:15.725 pick up with some questions

NOTE Confidence: 0.98827213

00:15:15.785 --> 00:15:16.265 about

NOTE Confidence: 0.9591413

00:15:16.904 --> 00:15:18.445 genetics and breast cancer.

NOTE Confidence: 0.9996342

00:15:18.825 --> 00:15:20.285 So we'll be back in

NOTE Confidence: 0.9996342

00:15:20.345 --> 00:15:21.245 just a minute.

NOTE Confidence: 0.9498518

00:15:22.000 --> 00:15:23.759 Funding for Yale Cancer Answers

NOTE Confidence: 0.9498518

00:15:23.759 --> 00:15:25.699 comes from Smilow Cancer Hospital,

NOTE Confidence: 0.9788671

00:15:26.000 --> 00:15:28.399 where their hematology program offers

NOTE Confidence: 0.9788671

00:15:28.399 --> 00:15:30.560 comprehensive diagnosis and treatment of

NOTE Confidence: 0.9788671

00:15:30.560 --> 00:15:33.139 blood cancers, including lymphoma, leukemia,

NOTE Confidence: 0.9788671

00:15:33.199 --> 00:15:33.940 and myeloma.

NOTE Confidence: 0.67759985

00:15:34.639 --> 00:15:35.139 Smilow cancer

NOTE Confidence: 0.992851

00:15:35.519 --> 00:15:36.980 hospital dot org.

NOTE Confidence: 0.976306

00:15:38.775 --> 00:15:40.055 Over two hundred and thirty

NOTE Confidence: 0.976306

00:15:40.055 --> 00:15:41.915 thousand Americans will be diagnosed

NOTE Confidence: 0.976306

00:15:41.975 --> 00:15:43.675 with lung cancer this year,

NOTE Confidence: 0.976306

00:15:43.815 --> 00:15:45.255 and in Connecticut alone, there

NOTE Confidence: 0.976306

00:15:45.255 --> 00:15:46.535 will be over twenty seven

NOTE Confidence: 0.976306

00:15:46.535 --> 00:15:47.675 hundred new cases.

NOTE Confidence: 0.9683676

00:15:48.135 --> 00:15:49.415 More than eighty five percent

NOTE Confidence: 0.9683676

00:15:49.415 --> 00:15:51.335 of lung cancer diagnoses are

NOTE Confidence: 0.9683676

00:15:51.335 --> 00:15:52.475 related to smoking,

NOTE Confidence: 0.98404855

00:15:52.950 --> 00:15:54.790 and quitting, even after decades

NOTE Confidence: 0.98404855

00:15:54.790 --> 00:15:56.710 of use, can significantly reduce

NOTE Confidence: 0.98404855

00:15:56.710 --> 00:15:58.230 your risk of developing lung

NOTE Confidence: 0.98404855

00:15:58.230 --> 00:15:58.730 cancer.

NOTE Confidence: 0.95563275

00:15:59.270 --> 00:16:00.710 Each day patients with lung

NOTE Confidence: 0.95563275

00:16:00.710 --> 00:16:02.630 cancer are surviving thanks to

NOTE Confidence: 0.95563275

00:16:02.630 --> 00:16:04.550 increased access to advanced therapies

NOTE Confidence: 0.95563275

00:16:04.550 --> 00:16:05.930 and specialized care.

NOTE Confidence: 0.99702746

00:16:06.355 --> 00:16:08.035 New treatment options and surgical

NOTE Confidence: 0.99702746

00:16:08.035 --> 00:16:09.635 techniques are giving lung cancer

NOTE Confidence: 0.99702746

00:16:09.635 --> 00:16:10.915 survivors more hope than they

NOTE Confidence: 0.99702746

00:16:10.915 --> 00:16:12.055 have ever had before.

NOTE Confidence: 0.96342903

00:16:12.675 --> 00:16:14.595 Clinical trials are currently underway

NOTE Confidence: 0.96342903

00:16:14.595 --> 00:16:17.235 at federally designated comprehensive cancer

NOTE Confidence: 0.96342903

00:16:17.235 --> 00:16:17.735 centers,

NOTE Confidence: 0.90046424

00:16:18.035 --> 00:16:19.399 such as the battle two

NOTE Confidence: 0.90046424

00:16:19.399 --> 00:16:21.000 trial at Yale Cancer Center

NOTE Confidence: 0.90046424

00:16:21.000 --> 00:16:22.620 and Smilow Cancer Hospital,

NOTE Confidence: 0.9911807

00:16:23.079 --> 00:16:24.120 to learn if a drug

NOTE Confidence: 0.9911807

00:16:24.120 --> 00:16:25.880 or combination of drugs based

NOTE Confidence: 0.9911807

00:16:25.880 --> 00:16:27.180 on personal biomarkers

NOTE Confidence: 0.9931968

00:16:27.640 --> 00:16:29.000 can help to control non

NOTE Confidence: 0.9931968

00:16:29.000 --> 00:16:30.459 small cell lung cancer.

NOTE Confidence: 0.94891685

00:16:31.065 --> 00:16:32.665 More information is available at

NOTE Confidence: 0.94891685

00:16:32.665 --> 00:16:34.445 yale cancer center dot org.

NOTE Confidence: 0.94891685

00:16:34.585 --> 00:16:36.265 You're listening to Connecticut Public

NOTE Confidence: 0.94891685

00:16:36.265 --> 00:16:36.765 Radio.

NOTE Confidence: 0.9206257

00:16:38.185 --> 00:16:39.705 Hello again. This is Eric

NOTE Confidence: 0.9206257

00:16:39.705 --> 00:16:41.405 Winer with Yale Cancer Answers,

NOTE Confidence: 0.9206257

00:16:41.545 --> 00:16:42.765 and I'm joined

NOTE Confidence: 0.9739613

00:16:44.000 --> 00:16:45.760 by our guest, doctor Ann

NOTE Confidence: 0.9739613

00:16:45.760 --> 00:16:47.920 Partridge, professor of medicine at

NOTE Confidence: 0.9739613

00:16:47.920 --> 00:16:48.420 Harvard Medical School and

00:16:52.240 --> 00:16:54.000 a breast cancer physician and

NOTE Confidence: 0.9936359

00:16:54.000 --> 00:16:55.600 interim chair of medical oncology

NOTE Confidence: 0.9936359

00:16:55.600 --> 00:16:57.140 at Dana Farber Cancer Institute.

NOTE Confidence: 0.9313606

00:16:58.605 --> 00:16:59.965 So we were just talking

NOTE Confidence: 0.9313606

00:16:59.965 --> 00:17:01.965 about genetics in breast cancer

NOTE Confidence: 0.9313606

00:17:01.965 --> 00:17:02.465 and

NOTE Confidence: 0.99866766

00:17:02.925 --> 00:17:04.845 the more frequent finding of

NOTE Confidence: 0.99866766

00:17:04.845 --> 00:17:05.665 a gene

NOTE Confidence: 0.991903

00:17:06.045 --> 00:17:07.665 change or gene mutation

NOTE Confidence: 0.98892397

00:17:08.525 --> 00:17:10.605 that is inherited from one's

NOTE Confidence: 0.98892397

00:17:10.605 --> 00:17:12.330 mother or father that increases

NOTE Confidence: 0.98892397

00:17:12.330 --> 00:17:13.710 the risk of breast cancer.

NOTE Confidence: 0.99848

00:17:14.409 --> 00:17:15.789 How does having

NOTE Confidence: 0.982135

00:17:16.090 --> 00:17:17.070 such a change,

NOTE Confidence: 0.9650067

00:17:17.850 --> 00:17:19.609 such a mutation, like a

NOTE Confidence: 0.9650067

00:17:19.609 --> 00:17:21.390 BRCA one or BRCA

NOTE Confidence: 0.9795805

00:17:21.769 --> 00:17:23.369 two mutation, which many people

NOTE Confidence: 0.9795805

00:17:23.369 --> 00:17:24.895 are familiar with, how does

NOTE Confidence: 0.9795805

00:17:24.895 --> 00:17:26.275 that affect decision making

NOTE Confidence: 0.96232176

00:17:26.655 --> 00:17:27.635 regarding treatment?

NOTE Confidence: 0.9983501

00:17:28.415 --> 00:17:29.715 Having a gene mutation

NOTE Confidence: 0.9579434

00:17:30.255 --> 00:17:32.175 or pathogenic variant, as we

NOTE Confidence: 0.9579434

00:17:32.175 --> 00:17:33.395 call them these days,

NOTE Confidence: 0.9997252

00:17:34.175 --> 00:17:35.875 can have a major impact

NOTE Confidence: 0.9743947

00:17:36.175 --> 00:17:37.934 on especially what a young

NOTE Confidence: 0.9743947

00:17:37.934 --> 00:17:38.915 woman considers

NOTE Confidence: 0.96073383

00:17:39.490 --> 00:17:40.850 in terms of her local

NOTE Confidence: 0.96073383

00:17:40.850 --> 00:17:41.350 therapy,

NOTE Confidence: 0.9607941

00:17:42.049 --> 00:17:44.289 local therapy meaning surgery with

NOTE Confidence: 0.9607941

00:17:44.289 --> 00:17:45.429 or without radiation.

NOTE Confidence: 0.98963046

00:17:47.169 --> 00:17:48.690 Generally, a person needs to

NOTE Confidence: 0.98963046

00:17:48.690 --> 00:17:50.049 treat the breast where they

NOTE Confidence: 0.98963046

00:17:50.049 --> 00:17:51.570 have the cancer from a

NOTE Confidence: 0.98963046

00:17:51.570 --> 00:17:53.090 local standpoint in order to

NOTE Confidence: 0.98963046

00:17:53.090 --> 00:17:53.835 get rid of it,

NOTE Confidence: 0.9938412

00:17:54.554 --> 00:17:56.154 along with often medicines or

NOTE Confidence: 0.9938412

00:17:56.154 --> 00:17:57.215 systemic therapy

NOTE Confidence: 0.98900473

00:17:57.755 --> 00:17:58.794 to kill off cells that

NOTE Confidence: 0.98900473

00:17:58.794 --> 00:18:00.015 might have been left behind.

NOTE Confidence: 0.9823531

00:18:00.875 --> 00:18:02.315 When a young woman or

NOTE Confidence: 0.9823531

00:18:02.315 --> 00:18:03.994 any woman has one of

NOTE Confidence: 0.9823531

00:18:03.994 --> 00:18:05.934 these known hereditary predisposing

NOTE Confidence: 0.97719014

00:18:06.395 --> 00:18:08.575 genes or a pathogenic variant,

NOTE Confidence: 0.9996038

00:18:09.080 --> 00:18:10.440 her risk of having a

NOTE Confidence: 0.9996038

00:18:10.440 --> 00:18:12.520 new primary cancer in the

NOTE Confidence: 0.9996038

00:18:12.520 --> 00:18:13.660 breast tissue

NOTE Confidence: 0.9429827

00:18:14.040 --> 00:18:15.500 goes up pretty dramatically.

NOTE Confidence: 0.93643224

00:18:16.840 --> 00:18:18.200 Often something on the order

NOTE Confidence: 0.93643224

00:18:18.200 --> 00:18:19.900 of five to tenfold depending

NOTE Confidence: 0.9952545

00:18:20.840 --> 00:18:22.680 on the level of the type of

00:18:23.560 --> 00:18:24.619 gene they have.

NOTE Confidence: 0.99595106

00:18:24.965 --> 00:18:26.405 And so, you know, our

NOTE Confidence: 0.99595106

00:18:26.405 --> 00:18:27.465 job as

NOTE Confidence: 0.9667367

00:18:28.005 --> 00:18:29.685 medical oncologists working with our

NOTE Confidence: 0.9667367

00:18:29.685 --> 00:18:32.085 genetic counselors and geneticists is

NOTE Confidence: 0.9667367

00:18:32.085 --> 00:18:33.605 if a person tests

NOTE Confidence: 0.9667367

00:18:33.605 --> 00:18:34.725 positive for one of these

NOTE Confidence: 0.9667367

00:18:34.725 --> 00:18:35.225 genes,

NOTE Confidence: 0.98112893

00:18:35.765 --> 00:18:37.045 the changes in the genes,

NOTE Confidence: 0.98112893

00:18:37.045 --> 00:18:37.950 then we need to help, A.

NOTE Confidence: 0.98112893

00:18:38.190 --> 00:18:39.630 decide, is it one

NOTE Confidence: 0.98112893

00:18:39.630 --> 00:18:40.990 of those ones that is

NOTE Confidence: 0.98112893

00:18:40.990 --> 00:18:42.669 associated with a really increased

NOTE Confidence: 0.98112893

00:18:42.669 --> 00:18:44.350 risk of new primary breast

NOTE Confidence: 0.98112893

00:18:44.350 --> 00:18:45.549 cancer, even they're in the

NOTE Confidence: 0.98112893

00:18:45.549 --> 00:18:46.750 same breast where they had

NOTE Confidence: 0.98112893

00:18:46.750 --> 00:18:48.130 the original breast cancer

NOTE Confidence: 0.9334802

00:18:48.750 --> 00:18:49.950 or in the other breast

NOTE Confidence: 0.9334802

00:18:49.950 --> 00:18:51.549 or contralateral breast as we call it.

00:18:53.554 --> 00:18:55.015 And then should that, for that individual

NOTE Confidence: 0.98640275

00:18:55.155 --> 00:18:57.174 woman, impact her decisions

NOTE Confidence: 0.98640275

00:18:57.234 --> 00:18:57.734 around

NOTE Confidence: 0.9594337

00:18:58.355 --> 00:19:00.595 doing more aggressive surgery? Often

NOTE Confidence: 0.9594337

00:19:00.595 --> 00:19:02.035 women will consider not only

NOTE Confidence: 0.9594337

00:19:02.035 --> 00:19:03.475 treating the breast where they

NOTE Confidence: 0.9594337

00:19:03.475 --> 00:19:04.455 have the cancer,

NOTE Confidence: 0.99972904

00:19:04.755 --> 00:19:06.550 but the other side in

NOTE Confidence: 0.99972904

00:19:06.550 --> 00:19:07.850 terms of having a prophylactic

NOTE Confidence: 0.96140766

00:19:08.310 --> 00:19:08.810 mastectomy,

NOTE Confidence: 0.9619764

00:19:09.990 --> 00:19:11.670 so that they can decrease

NOTE Confidence: 0.9619764

00:19:11.670 --> 00:19:13.190 the chances of a future

NOTE Confidence: 0.9619764

00:19:13.190 --> 00:19:14.950 breast cancer event in that

NOTE Confidence: 0.9619764

00:19:14.950 --> 00:19:15.990 breast. And of course, that

NOTE Confidence: 0.9619764

00:19:15.990 --> 00:19:16.950 has a lot to do

NOTE Confidence: 0.9619764

00:19:16.950 --> 00:19:17.990 with, well, what are the

NOTE Confidence: 0.9619764

00:19:17.990 --> 00:19:19.369 risks of the first cancer?

NOTE Confidence: 0.97681034

00:19:19.825 --> 00:19:21.345 Number one, hopefully if the

NOTE Confidence: 0.97681034

00:19:21.345 --> 00:19:23.105 risks are low, that woman

NOTE Confidence: 0.97681034

00:19:23.105 --> 00:19:24.545 will be expected to, you

NOTE Confidence: 0.97681034

00:19:24.545 --> 00:19:25.825 know, live and live on

NOTE Confidence: 0.97681034

00:19:25.825 --> 00:19:27.105 for many years, in which

NOTE Confidence: 0.97681034

00:19:27.105 --> 00:19:28.385 case the idea of a

NOTE Confidence: 0.97681034

00:19:28.385 --> 00:19:30.145 new cancer occurring in the

NOTE Confidence: 0.97681034

00:19:30.145 --> 00:19:31.765 next five to ten years

NOTE Confidence: 0.97681034

00:19:31.850 --> 00:19:33.530 would be super important, let

NOTE Confidence: 0.97681034

00:19:33.530 --> 00:19:35.530 alone twenty, thirty, forty years

NOTE Confidence: 0.97681034

00:19:35.530 --> 00:19:36.410 from then if you're talking

NOTE Confidence: 0.97681034

00:19:36.410 --> 00:19:37.609 about a forty year old.

NOTE Confidence: 0.97681034

00:19:37.609 --> 00:19:39.210 And so we often help,

NOTE Confidence: 0.97681034

00:19:39.210 --> 00:19:40.570 you know, discuss these issues

NOTE Confidence: 0.97681034

00:19:40.570 --> 00:19:42.090 with women. It's complicated because

NOTE Confidence: 0.97681034

00:19:42.090 --> 00:19:43.050 some of these women haven't

NOTE Confidence: 0.97681034

00:19:43.050 --> 00:19:44.270 finished their childbearing.

NOTE Confidence: 0.94428486

00:19:44.955 --> 00:19:45.994 They might want to not

NOTE Confidence: 0.94428486

00:19:45.994 --> 00:19:46.875 only just have a baby

NOTE Confidence: 0.94428486

00:19:46.875 --> 00:19:48.174 but nurse that baby.

NOTE Confidence: 0.9726845

00:19:48.554 --> 00:19:49.434 So some of these women

NOTE Confidence: 0.9726845

00:19:49.434 --> 00:19:51.115 will say, okay, I have

NOTE Confidence: 0.9726845

00:19:51.115 --> 00:19:52.575 a known hereditary predisposition.

NOTE Confidence: 0.9780988

00:19:53.195 --> 00:19:54.154 I'm not just

NOTE Confidence: 0.9780988

00:19:54.154 --> 00:19:55.275 gonna treat the side I

NOTE Confidence: 0.9780988

00:19:55.275 --> 00:19:56.335 have to now,

NOTE Confidence: 0.9996721

00:19:56.840 --> 00:19:58.200 but I'll think about doing

NOTE Confidence: 0.9996721

00:19:58.200 --> 00:19:59.740 something on the other side

NOTE Confidence: 0.9986383

00:20:00.119 --> 00:20:01.240 when I'm done with having

NOTE Confidence: 0.9986383

00:20:01.240 --> 00:20:01.900 my children.

NOTE Confidence: 0.9811087

00:20:02.520 --> 00:20:03.400 But, you know, some of

NOTE Confidence: 0.9811087

00:20:03.400 --> 00:20:04.680 them are living with increased

NOTE Confidence: 0.9811087

00:20:04.680 --> 00:20:05.880 risk even in the first

NOTE Confidence: 0.9811087

00:20:05.880 --> 00:20:07.100 five to ten years,

NOTE Confidence: 0.9689013

00:20:07.560 --> 00:20:08.520 and most of them if

NOTE Confidence: 0.9689013

00:20:08.520 --> 00:20:09.740 they have a known predisposition.

NOTE Confidence: 0.97764665

00:20:10.244 --> 00:20:11.365 And so that's kind of

NOTE Confidence: 0.97764665

00:20:11.365 --> 00:20:12.645 weighing pros and cons

NOTE Confidence: 0.97764665

00:20:12.645 --> 00:20:13.765 there, and it's important that

NOTE Confidence: 0.97764665

00:20:13.765 --> 00:20:14.805 we support them to make

NOTE Confidence: 0.97764665

00:20:14.805 --> 00:20:16.345 the best decisions for themselves.

NOTE Confidence: 0.9996416

00:20:16.645 --> 00:20:17.465 The good news

NOTE Confidence: 0.97136396

00:20:17.845 --> 00:20:18.965 is that at least in

NOTE Confidence: 0.97136396

00:20:18.965 --> 00:20:20.025 the short term,

NOTE Confidence: 0.97674525

00:20:20.885 --> 00:20:23.445 women aren't usually sitting on

NOTE Confidence: 0.97674525

00:20:23.445 --> 00:20:24.645 a time bomb. They feel

NOTE Confidence: 0.97674525

00:20:24.645 --> 00:20:26.660 like they are, but, generally,

NOTE Confidence: 0.97674525

00:20:26.880 --> 00:20:28.000 you have some time both

NOTE Confidence: 0.97674525

00:20:28.000 --> 00:20:29.440 to make these decisions when

NOTE Confidence: 0.97674525

00:20:29.440 --> 00:20:30.800 you're treating the primary breast

NOTE Confidence: 0.97674525

00:20:30.800 --> 00:20:32.720 cancer as well as to

NOTE Confidence: 0.97674525

00:20:32.720 --> 00:20:34.240 to, you know, hold back

NOTE Confidence: 0.97674525

00:20:34.240 --> 00:20:35.300 and not necessarily

NOTE Confidence: 0.95786303

00:20:35.760 --> 00:20:36.900 do many prophylactic

NOTE Confidence: 0.9961481

00:20:37.360 --> 00:20:39.184 things right at the beginning.

NOTE Confidence: 0.9764308

00:20:39.804 --> 00:20:41.005 You usually have at least

NOTE Confidence: 0.9764308

00:20:41.005 --> 00:20:41.965 a couple years and can

NOTE Confidence: 0.9764308

00:20:41.965 --> 00:20:43.645 be watched very carefully even

NOTE Confidence: 0.9764308

00:20:43.645 --> 00:20:45.184 with the highest risk genes.

NOTE Confidence: 0.93512195

00:20:45.484 --> 00:20:46.845 And of course, for women

NOTE Confidence: 0.93512195

00:20:46.845 --> 00:20:48.865 with BRCA one or BRCA

NOTE Confidence: 0.93512195

00:20:49.005 --> 00:20:49.664 two mutations,

NOTE Confidence: 0.99657357

00:20:50.445 --> 00:20:51.664 there's the

NOTE Confidence: 0.9868136

00:20:52.490 --> 00:20:54.590 added risk of ovarian cancer,

NOTE Confidence: 0.9868136

00:20:54.650 --> 00:20:56.250 which, of course, with many

NOTE Confidence: 0.9868136

00:20:56.250 --> 00:20:58.110 of these gene changes,

NOTE Confidence: 0.9874066

00:20:58.810 --> 00:21:00.090 people are at risk for

NOTE Confidence: 0.9874066

00:21:00.090 --> 00:21:01.610 a variety of different cancers.

NOTE Confidence: 0.9874066

00:21:01.610 --> 00:21:03.210 But ovarian cancer is the

NOTE Confidence: 0.9874066

00:21:03.210 --> 00:21:04.590 one that is most notable

NOTE Confidence: 0.97897696

00:21:05.015 --> 00:21:06.295 for some people. And that

NOTE Confidence: 0.97897696

00:21:06.295 --> 00:21:08.715 also sometimes leads to questions

NOTE Confidence: 0.97897696

00:21:08.775 --> 00:21:10.235 about prophylactic surgery.

NOTE Confidence: 0.992645

00:21:10.695 --> 00:21:12.615 So we've been talking off

NOTE Confidence: 0.992645

00:21:12.615 --> 00:21:14.395 and on about having

NOTE Confidence: 0.9804241

00:21:15.335 --> 00:21:17.895 children after breast cancer, having

NOTE Confidence: 0.9804241

00:21:17.895 --> 00:21:18.395 babies,

NOTE Confidence: 0.9552671

00:21:19.050 --> 00:21:19.870 and fertility.

NOTE Confidence: 0.99585146

00:21:20.730 --> 00:21:22.010 And maybe you could tell

NOTE Confidence: 0.99585146

00:21:22.010 --> 00:21:23.470 us a little bit about

NOTE Confidence: 0.99585146

00:21:23.610 --> 00:21:24.910 the study that

NOTE Confidence: 0.99938595

00:21:25.370 --> 00:21:26.190 you conducted

NOTE Confidence: 0.98397607

00:21:26.650 --> 00:21:27.950 looking at pregnancy

NOTE Confidence: 0.9794854

00:21:28.490 --> 00:21:30.730 after breast cancer. Because for

NOTE Confidence: 0.9794854

00:21:30.730 --> 00:21:32.090 years and years and years,

NOTE Confidence: 0.9794854

00:21:32.090 --> 00:21:33.470 women have asked us,

NOTE Confidence: 0.9959593

00:21:33.895 --> 00:21:35.255 is it safe to become

NOTE Confidence: 0.9959593

00:21:35.255 --> 00:21:37.355 pregnant after breast cancer? And

NOTE Confidence: 0.9685262

00:21:37.975 --> 00:21:39.595 the usual answer was,

NOTE Confidence: 0.9764209

00:21:40.135 --> 00:21:41.174 we don't know that it

NOTE Confidence: 0.9764209

00:21:41.174 --> 00:21:43.595 isn't safe. It's probably okay,

NOTE Confidence: 0.9764209

00:21:43.655 --> 00:21:44.695 but we don't know the

NOTE Confidence: 0.9764209

00:21:44.695 --> 00:21:46.054 exact timing. And then,

NOTE Confidence: 0.9943308

00:21:47.210 --> 00:21:48.490 you and your colleagues were

NOTE Confidence: 0.9943308

00:21:48.490 --> 00:21:50.270 able to do a

NOTE Confidence: 0.9943308

00:21:50.490 --> 00:21:51.950 really landmark study.

NOTE Confidence: 0.9988979

00:21:52.490 --> 00:21:53.150 So we

NOTE Confidence: 0.99912065

00:21:53.690 --> 00:21:54.970 heard from our patients and

NOTE Confidence: 0.99912065

00:21:54.970 --> 00:21:56.030 our patient advocates

NOTE Confidence: 0.99197733

00:21:56.410 --> 00:21:57.690 and we knew

NOTE Confidence: 0.99197733

00:21:57.690 --> 00:21:58.970 how important this was for

NOTE Confidence: 0.99197733

00:21:58.970 --> 00:22:00.490 our young women and their

NOTE Confidence: 0.99197733

00:22:00.490 --> 00:22:00.990 families

NOTE Confidence: 0.96754426

00:22:01.450 --> 00:22:02.725 to be able to have

NOTE Confidence: 0.96754426

00:22:02.725 --> 00:22:04.085 babies and also at

NOTE Confidence: 0.96754426

00:22:04.085 --> 00:22:04.965 the same time not do

NOTE Confidence: 0.96754426

00:22:04.965 --> 00:22:06.885 something crazy. Right? It's pretty

NOTE Confidence: 0.96754426

00:22:06.885 --> 00:22:08.164 normal to want a baby,

NOTE Confidence: 0.96754426

00:22:08.164 --> 00:22:09.445 and yet people want to

NOTE Confidence: 0.96754426

00:22:09.445 --> 00:22:10.725 get good breast cancer care

NOTE Confidence: 0.96754426

00:22:10.725 --> 00:22:12.024 too and good risk reduction.

NOTE Confidence: 0.99873096

00:22:12.484 --> 00:22:13.605 And so what we did

NOTE Confidence: 0.99873096

00:22:13.605 --> 00:22:15.385 was a single arm trial

NOTE Confidence: 0.98393875

00:22:16.020 --> 00:22:17.380 where we said, okay. Let's

NOTE Confidence: 0.98393875

00:22:17.380 --> 00:22:19.160 come up with a protocol

NOTE Confidence: 0.98393875

00:22:19.380 --> 00:22:20.840 that seems reasonable

NOTE Confidence: 0.99885947

00:22:21.380 --> 00:22:22.359 to your average

NOTE Confidence: 0.98793226

00:22:22.740 --> 00:22:25.220 patient, patient advocate, and doctor

NOTE Confidence: 0.98793226

00:22:25.220 --> 00:22:26.340 who cares for young women

NOTE Confidence: 0.98793226

00:22:26.340 --> 00:22:27.859 with breast cancer.

NOTE Confidence: 0.98793226

00:22:27.859 --> 00:22:28.900 And just to be clear, you say

NOTE Confidence: 0.98793226

00:22:28.900 --> 00:22:30.119 a single arm trial.

NOTE Confidence: 0.9903013

00:22:30.664 --> 00:22:32.105 I think people know that

NOTE Confidence: 0.9903013

00:22:32.105 --> 00:22:32.605 oftentimes

NOTE Confidence: 0.9219839

00:22:32.984 --> 00:22:35.065 there are randomized trials, which

NOTE Confidence: 0.9219839

00:22:35.065 --> 00:22:36.284 are definitive trials,

NOTE Confidence: 0.9877424

00:22:36.585 --> 00:22:37.784 but it is hard to

NOTE Confidence: 0.9877424

00:22:37.784 --> 00:22:39.865 randomize people to getting pregnant

NOTE Confidence: 0.9877424

00:22:39.865 --> 00:22:41.145 or not.

NOTE Confidence: 0.9877424

00:22:41.145 --> 00:22:42.585 Yes, that would be a very challenging study

NOTE Confidence: 0.9877424

00:22:42.585 --> 00:22:44.265 to do, a nonstarter.

NOTE Confidence: 0.9877424

00:22:44.265 --> 00:22:45.840 And so we said, what would

NOTE Confidence: 0.9877424

00:22:45.840 --> 00:22:47.540 women tolerate? And we actually

NOTE Confidence: 0.9877424

00:22:47.840 --> 00:22:48.660 figured out

NOTE Confidence: 0.96290666

00:22:49.119 --> 00:22:50.480 a schema, again, with very

NOTE Confidence: 0.96290666

00:22:50.480 --> 00:22:51.780 heavy patient input

NOTE Confidence: 0.97788274

00:22:52.400 --> 00:22:53.760 that women were willing to

NOTE Confidence: 0.97788274

00:22:53.760 --> 00:22:55.200 take their endocrine therapy, but

NOTE Confidence: 0.97788274

00:22:55.200 --> 00:22:56.160 really wanted to take a

NOTE Confidence: 0.97788274

00:22:56.160 --> 00:22:57.280 break if we didn't think

NOTE Confidence: 0.97788274

00:22:57.280 --> 00:22:58.260 that was crazy

NOTE Confidence: 0.99580306

00:22:58.675 --> 00:23:00.115 and then get back on.

NOTE Confidence: 0.99580306

00:23:00.115 --> 00:23:01.075 They were willing to get

NOTE Confidence: 0.99580306

00:23:01.075 --> 00:23:02.115 back on. So the idea is

00:23:02.915 --> 00:23:04.275 typically you treat for five

NOTE Confidence: 0.90515053

00:23:04.275 --> 00:23:05.175 to ten years,

NOTE Confidence: 0.97963077

00:23:05.795 --> 00:23:07.795 you know, straight through with

NOTE Confidence: 0.97963077

00:23:07.795 --> 00:23:09.635 oral endocrine therapy and sometimes

NOTE Confidence: 0.97963077

00:23:09.635 --> 00:23:11.415 with shots to suppress ovaries.

NOTE Confidence: 0.9869177

00:23:11.990 --> 00:23:12.790 But we know that the

NOTE Confidence: 0.9869177

00:23:12.790 --> 00:23:14.330 risk of breast cancer continues

NOTE Confidence: 0.9869177

00:23:14.390 --> 00:23:15.830 for the hormone sensitive breast

NOTE Confidence: 0.9869177

00:23:15.830 --> 00:23:17.270 cancer even further out. So

NOTE Confidence: 0.9869177

00:23:17.270 --> 00:23:18.550 could we take a break

NOTE Confidence: 0.9869177

00:23:18.550 --> 00:23:19.750 sooner than that five to

NOTE Confidence: 0.9869177

00:23:19.750 --> 00:23:20.490 ten years,

00:23:24.230 --> 00:23:25.590 support them to get

NOTE Confidence: 0.9457508

00:23:25.590 --> 00:23:26.090 pregnant,

NOTE Confidence: 0.9774376

00:23:26.725 --> 00:23:27.845 however they needed to get

NOTE Confidence: 0.9774376

00:23:27.845 --> 00:23:28.885 pregnant and then get back

NOTE Confidence: 0.9774376

00:23:28.885 --> 00:23:30.085 on and complete the full

NOTE Confidence: 0.9774376

00:23:30.085 --> 00:23:31.445 duration of the therapy they

NOTE Confidence: 0.9774376

00:23:31.445 --> 00:23:32.804 were going to take. And

NOTE Confidence: 0.9774376

00:23:32.804 --> 00:23:34.085 the really good news is

NOTE Confidence: 0.9774376

00:23:34.085 --> 00:23:35.524 that women all over the

NOTE Confidence: 0.9774376

00:23:35.524 --> 00:23:36.725 world, you know, this was

NOTE Confidence: 0.9774376

00:23:36.725 --> 00:23:38.505 a very big international

NOTE Confidence: 0.9505453

00:23:39.044 --> 00:23:40.649 effort. We put on over

NOTE Confidence: 0.9505453

00:23:40.649 --> 00:23:42.009 five hundred women around the

NOTE Confidence: 0.9505453

00:23:42.009 --> 00:23:42.970 world. I think it was

NOTE Confidence: 0.9505453

00:23:42.970 --> 00:23:44.909 eighty countries we enrolled from,

NOTE Confidence: 0.9905376

00:23:45.210 --> 00:23:46.730 and we actually enrolled in

NOTE Confidence: 0.9905376

00:23:46.730 --> 00:23:47.629 record time.

NOTE Confidence: 0.9285045

00:23:47.929 --> 00:23:49.210 And what we showed at

NOTE Confidence: 0.9285045

00:23:49.210 --> 00:23:50.669 least in early follow-up

NOTE Confidence: 0.99465334

00:23:51.129 --> 00:23:52.490 is that this does appear

NOTE Confidence: 0.99465334

00:23:52.490 --> 00:23:53.685 to be a safe approach.

NOTE Confidence: 0.9992444

00:23:54.085 --> 00:23:55.685 So taking eighteen to thirty

NOTE Confidence: 0.9992444

00:23:55.685 --> 00:23:56.745 months of your treatment,

NOTE Confidence: 0.99057484

00:23:57.285 --> 00:23:58.405 taking a break for up

NOTE Confidence: 0.99057484

00:23:58.405 --> 00:23:59.605 to two years for a

NOTE Confidence: 0.99057484

00:23:59.605 --> 00:24:00.105 pregnancy,

NOTE Confidence: 0.9942695

00:24:00.485 --> 00:24:00.985 delivery,

NOTE Confidence: 0.96106786

00:24:02.005 --> 00:24:03.605 nursing if someone chose to

NOTE Confidence: 0.96106786

00:24:03.605 --> 00:24:04.485 and is able to, and

NOTE Confidence: 0.96106786

00:24:04.485 --> 00:24:05.685 then getting back on the

NOTE Confidence: 0.96106786

00:24:05.685 --> 00:24:06.185 therapy.

NOTE Confidence: 0.9498042

00:24:06.580 --> 00:24:07.940 When we follow these women

NOTE Confidence: 0.9498042

00:24:07.940 --> 00:24:08.980 over time, they seem to

NOTE Confidence: 0.9498042

00:24:08.980 --> 00:24:10.440 do just as well

NOTE Confidence: 0.994579

00:24:10.820 --> 00:24:12.760 with as few recurrences

NOTE Confidence: 0.9978242

00:24:13.380 --> 00:24:15.300 as women who had not

NOTE Confidence: 0.9978242

00:24:15.300 --> 00:24:17.140 taken that kind of break

NOTE Confidence: 0.9978242

00:24:17.140 --> 00:24:17.880 for pregnancy.

00:24:20.625 --> 00:24:22.865 It's admittedly a preliminary result,

NOTE Confidence: 0.95389986

00:24:22.865 --> 00:24:23.605 but it's

NOTE Confidence: 0.97785056

00:24:23.984 --> 00:24:25.445 really a much more definitive

NOTE Confidence: 0.97785056

00:24:25.505 --> 00:24:26.625 study than has ever been

NOTE Confidence: 0.97785056

00:24:26.625 --> 00:24:28.164 done and has really helped

NOTE Confidence: 0.97785056

00:24:28.225 --> 00:24:30.544 in decision making around

NOTE Confidence: 0.9995416

00:24:31.460 --> 00:24:33.140 this really challenging issue for

NOTE Confidence: 0.9995416

00:24:33.140 --> 00:24:34.040 a lot of people.

NOTE Confidence: 0.9901672

00:24:35.780 --> 00:24:36.760 Could we talk

NOTE Confidence: 0.9976922

00:24:37.060 --> 00:24:38.980 for a minute about long

NOTE Confidence: 0.9976922

00:24:38.980 --> 00:24:39.960 term complications?

NOTE Confidence: 0.9906833

00:24:40.900 --> 00:24:42.920 So a woman goes through

NOTE Confidence: 0.9906833

00:24:43.220 --> 00:24:44.980 treatment for breast cancer, and

NOTE Confidence: 0.9906833

00:24:44.980 --> 00:24:45.960 a young woman

NOTE Confidence: 0.9892388

00:24:46.934 --> 00:24:49.014 may live for another fifty

NOTE Confidence: 0.9892388

00:24:49.014 --> 00:24:49.914 plus years.

NOTE Confidence: 0.9981752

00:24:51.654 --> 00:24:52.695 What are

NOTE Confidence: 0.9981752

00:24:52.695 --> 00:24:54.294 the long term implications of

NOTE Confidence: 0.9981752

00:24:54.294 --> 00:24:54.955 a diagnosis?

NOTE Confidence: 0.97790223

00:24:56.855 --> 00:24:59.034 So we know from anecdote,

NOTE Confidence: 0.97790223

00:24:59.095 --> 00:25:00.634 actually, the long term implications

NOTE Confidence: 0.77672195

00:25:01.174 --> 00:25:01.914 and from

NOTE Confidence: 0.9889797

00:25:03.220 --> 00:25:05.299 some studies where we have

NOTE Confidence: 0.9889797

00:25:05.299 --> 00:25:07.640 looked at kind of populations

NOTE Confidence: 0.82170427

00:25:08.100 --> 00:25:08.600 overall,

NOTE Confidence: 0.99952465

00:25:09.059 --> 00:25:10.260 but we don't have a

NOTE Confidence: 0.99952465

00:25:10.260 --> 00:25:11.640 great amount of data

NOTE Confidence: 0.97510433

00:25:12.020 --> 00:25:14.100 on very young women diagnosed

NOTE Confidence: 0.97510433

00:25:14.100 --> 00:25:15.160 with breast cancer,

NOTE Confidence: 0.98163706

00:25:15.645 --> 00:25:17.484 what's happening to them twenty

NOTE Confidence: 0.98163706

00:25:17.484 --> 00:25:19.484 years out or thirty years

NOTE Confidence: 0.98163706

00:25:19.484 --> 00:25:21.005 out. And in fact, I'm

NOTE Confidence: 0.98163706

00:25:21.005 --> 00:25:22.365 excited that the study that

NOTE Confidence: 0.98163706

00:25:22.365 --> 00:25:23.725 you and I launched now

NOTE Confidence: 0.98163706

00:25:23.725 --> 00:25:24.865 twenty years ago

NOTE Confidence: 0.98688364

00:25:25.244 --> 00:25:27.165 will actually deliver some of

NOTE Confidence: 0.98688364

00:25:27.165 --> 00:25:28.605 that data in the years

NOTE Confidence: 0.98688364

00:25:28.605 --> 00:25:30.000 to come because we've been

NOTE Confidence: 0.98688364

00:25:30.000 --> 00:25:31.440 following a cohort of young

NOTE Confidence: 0.98688364

00:25:31.440 --> 00:25:31.940 patients,

NOTE Confidence: 0.9637271

00:25:32.800 --> 00:25:34.080 and we'll continue to follow

NOTE Confidence: 0.9637271

00:25:34.080 --> 00:25:35.760 them hopefully for another, you

NOTE Confidence: 0.9637271

00:25:35.760 --> 00:25:37.140 know, twenty, thirty years.

NOTE Confidence: 0.98378134

00:25:37.520 --> 00:25:39.280 But for now, we worry

NOTE Confidence: 0.98378134

00:25:39.280 --> 00:25:41.200 about their bones. We worry

NOTE Confidence: 0.98378134

00:25:41.200 --> 00:25:42.800 about their hearts. We worry

NOTE Confidence: 0.98378134

00:25:42.800 --> 00:25:45.105 about their mental health and

NOTE Confidence: 0.98378134

00:25:45.105 --> 00:25:47.585 even their cognitive functioning over

NOTE Confidence: 0.98378134

00:25:47.585 --> 00:25:49.905 time. And that's largely from

NOTE Confidence: 0.98378134

00:25:49.905 --> 00:25:50.405 studies

NOTE Confidence: 0.9997298

00:25:50.785 --> 00:25:52.005 that have looked at

NOTE Confidence: 0.9325808

00:25:52.305 --> 00:25:54.065 not breast cancer survivors, but

NOTE Confidence: 0.9325808

00:25:54.065 --> 00:25:56.065 women generally who've gone through

NOTE Confidence: 0.9325808

00:25:56.065 --> 00:25:57.525 very premature menopause

NOTE Confidence: 0.9994817

00:25:58.119 --> 00:25:59.179 for different reasons and

00:26:00.760 --> 00:26:02.440 have shown in these studies

NOTE Confidence: 0.97431666

00:26:02.440 --> 00:26:03.240 that there may be an

NOTE Confidence: 0.97431666

00:26:03.240 --> 00:26:04.440 increased risk of some of

NOTE Confidence: 0.97431666

00:26:04.440 --> 00:26:06.520 these chronic diseases, particularly bone

NOTE Confidence: 0.97431666

00:26:06.520 --> 00:26:07.960 health and the risk of

NOTE Confidence: 0.97431666

00:26:07.960 --> 00:26:09.020 premature cardiovascular

NOTE Confidence: 0.99120045

00:26:09.480 --> 00:26:10.600 issues. That doesn't mean

NOTE Confidence: 0.99120045

00:26:10.760 --> 00:26:12.200 we shouldn't use these treatments

NOTE Confidence: 0.99120045

00:26:12.200 --> 00:26:14.035 because the near risk for

NOTE Confidence: 0.99120045

00:26:14.035 --> 00:26:16.035 women is breast cancer.

NOTE Confidence: 0.99120045

00:26:16.035 --> 00:26:17.155 We want them to become

NOTE Confidence: 0.99120045

00:26:17.155 --> 00:26:18.435 long term survivors, and we

NOTE Confidence: 0.99120045

00:26:18.435 --> 00:26:19.155 have to but it does

NOTE Confidence: 0.99120045

00:26:19.155 --> 00:26:20.595 mean we shouldn't overtreat them,

NOTE Confidence: 0.99120045

00:26:20.595 --> 00:26:22.455 number one. And number two,

NOTE Confidence: 0.99120045

00:26:22.675 --> 00:26:23.715 we wanna follow them long

NOTE Confidence: 0.99120045

00:26:23.715 --> 00:26:24.835 term and do whatever we

NOTE Confidence: 0.99120045

00:26:24.835 --> 00:26:26.740 can to prevent these long

NOTE Confidence: 0.99120045

00:26:26.740 --> 00:26:27.940 term and late effects as

NOTE Confidence: 0.99120045

00:26:27.940 --> 00:26:29.799 we figure out how frequently

NOTE Confidence: 0.99120045

00:26:29.859 --> 00:26:30.820 they occur and what we

NOTE Confidence: 0.99120045

00:26:30.820 --> 00:26:32.039 can do to prevent it.

NOTE Confidence: 0.99122745

00:26:32.820 --> 00:26:34.100 Well, in our last two

NOTE Confidence: 0.99122745

00:26:34.100 --> 00:26:36.520 minutes, maybe we can touch

NOTE Confidence: 0.99122745

00:26:36.580 --> 00:26:38.580 on a really important topic,

NOTE Confidence: 0.99122745

00:26:38.580 --> 00:26:39.240 which is

NOTE Confidence: 0.9907441

00:26:39.619 --> 00:26:40.119 screening.

NOTE Confidence: 0.9975227

00:26:40.934 --> 00:26:43.355 And, of course, screening recommendations

NOTE Confidence: 0.9975227

00:26:43.494 --> 00:26:45.095 typically start in women who

NOTE Confidence: 0.9975227

00:26:45.095 --> 00:26:46.875 are forty or over.

NOTE Confidence: 0.9926669

00:26:48.455 --> 00:26:49.815 For women who have a

NOTE Confidence: 0.9926669

00:26:49.815 --> 00:26:52.154 genetic predisposition to breast cancer,

NOTE Confidence: 0.9926669

00:26:52.375 --> 00:26:53.994 we often do start younger.

NOTE Confidence: 0.9926669

00:26:54.054 --> 00:26:54.955 But for the

NOTE Confidence: 0.9979361

00:26:55.490 --> 00:26:56.470 general population,

NOTE Confidence: 0.98723364

00:26:57.090 --> 00:26:58.450 women who do not have

NOTE Confidence: 0.98723364

00:26:58.450 --> 00:26:59.510 any kind of

NOTE Confidence: 0.9936876

00:26:59.810 --> 00:27:01.650 strong family history or genetic

NOTE Confidence: 0.9936876

00:27:01.650 --> 00:27:02.150 predisposition,

NOTE Confidence: 0.99470663

00:27:03.170 --> 00:27:04.130 there's a lot of discussion

NOTE Confidence: 0.99470663

00:27:04.130 --> 00:27:05.090 about what can be done

NOTE Confidence: 0.99470663

00:27:05.090 --> 00:27:06.770 with screening in in young

NOTE Confidence: 0.99470663

00:27:06.770 --> 00:27:07.670 women. And

NOTE Confidence: 0.9733378

00:27:07.984 --> 00:27:09.744 what are the challenges there,

NOTE Confidence: 0.9733378

00:27:09.744 --> 00:27:10.705 and where do you see

NOTE Confidence: 0.9733378

00:27:10.705 --> 00:27:11.765 all that going?

NOTE Confidence: 0.98079526

00:27:13.185 --> 00:27:14.645 Yes. That's a very complicated

NOTE Confidence: 0.98079526

00:27:14.785 --> 00:27:17.025 situation. Right now, for general

NOTE Confidence: 0.98079526

00:27:17.025 --> 00:27:18.465 population, there is no good

NOTE Confidence: 0.98079526

00:27:18.465 --> 00:27:19.605 screening for

NOTE Confidence: 0.9696091

00:27:19.984 --> 00:27:21.345 young women who are at

NOTE Confidence: 0.9696091

00:27:21.345 --> 00:27:22.420 risk for breast cancer. And

NOTE Confidence: 0.9696091

00:27:22.420 --> 00:27:23.700 basically, any young woman,

NOTE Confidence: 0.9696091

00:27:23.780 --> 00:27:24.740 if she has breasts, is

NOTE Confidence: 0.9696091

00:27:24.740 --> 00:27:26.119 at risk for breast cancer.

NOTE Confidence: 0.9696091

00:27:26.340 --> 00:27:27.540 Yes. For the high risk

NOTE Confidence: 0.9696091

00:27:27.540 --> 00:27:28.980 population, if they know they

NOTE Confidence: 0.9696091

00:27:28.980 --> 00:27:30.260 have a gene in their

NOTE Confidence: 0.9696091

00:27:30.260 --> 00:27:31.940 family that predisposes to breast

NOTE Confidence: 0.9696091

00:27:31.940 --> 00:27:33.720 cancer, we'll start getting MRIs

NOTE Confidence: 0.9973272

00:27:34.180 --> 00:27:34.920 and mammograms

NOTE Confidence: 0.98266274

00:27:35.635 --> 00:27:36.994 earlier, and that's tailored to

NOTE Confidence: 0.98266274

00:27:36.994 --> 00:27:37.655 the individual

NOTE Confidence: 0.9988366

00:27:38.035 --> 00:27:39.335 and their family history.

NOTE Confidence: 0.9640613

00:27:39.794 --> 00:27:41.875 But for, you know, general

NOTE Confidence: 0.9640613

00:27:41.875 --> 00:27:43.635 population women, there actually

NOTE Confidence: 0.9640613

00:27:43.635 --> 00:27:44.674 is not a great test.

NOTE Confidence: 0.9640613

00:27:44.674 --> 00:27:45.875 So it's really about your

NOTE Confidence: 0.9640613

00:27:45.875 --> 00:27:47.815 own breast health awareness.

NOTE Confidence: 0.987635

00:27:48.510 --> 00:27:50.030 And that's not a great

NOTE Confidence: 0.987635

00:27:50.030 --> 00:27:51.390 answer because many young women,

NOTE Confidence: 0.987635

00:27:51.390 --> 00:27:52.350 by the time they feel

NOTE Confidence: 0.987635

00:27:52.350 --> 00:27:53.869 a lump, they're diagnosed and

NOTE Confidence: 0.987635

00:27:53.869 --> 00:27:55.390 and they have higher risk

NOTE Confidence: 0.987635

00:27:55.390 --> 00:27:56.690 disease than they would like.

NOTE Confidence: 0.987635

00:27:56.990 --> 00:27:58.430 And so what we really

NOTE Confidence: 0.987635

00:27:58.430 --> 00:27:59.310 need to do is to

NOTE Confidence: 0.987635

00:27:59.310 --> 00:28:00.430 do more work to figure

NOTE Confidence: 0.987635

00:28:00.430 --> 00:28:00.930 out

NOTE Confidence: 0.9729253

00:28:01.255 --> 00:28:02.695 who's really at risk for

NOTE Confidence: 0.9729253

00:28:02.695 --> 00:28:04.315 breast cancer, to really understand

NOTE Confidence: 0.97798294

00:28:05.015 --> 00:28:05.815 not just what is the

NOTE Confidence: 0.97798294

00:28:05.815 --> 00:28:07.335 smoking gun, you know, one

NOTE Confidence: 0.97798294

00:28:07.335 --> 00:28:08.395 gene that predisposes,

NOTE Confidence: 0.97107875

00:28:08.934 --> 00:28:10.054 but, you know, more things

NOTE Confidence: 0.97107875

00:28:10.054 --> 00:28:11.815 like polygenic risk scores where

NOTE Confidence: 0.97107875

00:28:11.815 --> 00:28:13.434 we can understand the genes

NOTE Confidence: 0.97107875

00:28:13.494 --> 00:28:15.195 and the environment interaction.

NOTE Confidence: 0.9482129

00:28:15.900 --> 00:28:17.119 And until then, we need

00:28:18.220 --> 00:28:19.740 better tests also. So we

NOTE Confidence: 0.98424333

00:28:19.740 --> 00:28:21.100 need tests that are, you

NOTE Confidence: 0.98424333

00:28:21.100 --> 00:28:22.300 know, better than a mammogram

NOTE Confidence: 0.98424333

00:28:22.300 --> 00:28:24.220 because mammograms aren't terrific in

NOTE Confidence: 0.98424333

00:28:24.220 --> 00:28:25.500 young women who have much

NOTE Confidence: 0.98424333

00:28:25.500 --> 00:28:26.800 more dense breasts

NOTE Confidence: 0.9684863

00:28:27.180 --> 00:28:28.800 than older women conventionally.

NOTE Confidence: 0.9216211

00:28:29.180 --> 00:28:29.920 And therefore,

NOTE Confidence: 0.9966811

00:28:30.220 --> 00:28:32.225 seeing a dense tumor different

NOTE Confidence: 0.9966811

00:28:32.225 --> 00:28:33.505 from a dense breast is

NOTE Confidence: 0.9966811

00:28:33.505 --> 00:28:34.865 much harder in a young

NOTE Confidence: 0.9966811

00:28:34.865 --> 00:28:35.925 woman with a mammogram.

NOTE Confidence: 0.9647626

00:28:36.545 --> 00:28:37.905 Doctor Ann Partridge is a

NOTE Confidence: 0.9647626

00:28:37.905 --> 00:28:39.505 professor of medicine at Harvard

NOTE Confidence: 0.9647626

00:28:39.505 --> 00:28:40.485 Medical School.

NOTE Confidence: 0.98027647

00:28:40.945 --> 00:28:42.225 If you have questions, the

NOTE Confidence: 0.98027647

00:28:42.225 --> 00:28:43.285 address is canceranswers

NOTE Confidence: 0.8708472

00:28:43.665 --> 00:28:44.965 at yale dot edu,

NOTE Confidence: 0.98433286

00:28:45.340 --> 00:28:46.620 and past editions of the

NOTE Confidence: 0.98433286

00:28:46.620 --> 00:28:48.380 program are available in audio

NOTE Confidence: 0.98433286

00:28:48.380 --> 00:28:49.740 and written form at yale

NOTE Confidence: 0.98433286

00:28:49.740 --> 00:28:51.120 cancer center dot org.

NOTE Confidence: 0.9995642

00:28:51.420 --> 00:28:52.460 We hope you'll join us

NOTE Confidence: 0.9995642

00:28:52.460 --> 00:28:53.500 next time to learn more

NOTE Confidence: 0.9995642

00:28:53.500 --> 00:28:55.040 about the fight against cancer.

NOTE Confidence: 0.9776792

00:28:55.340 --> 00:28:57.180 Funding for Yale Cancer Answers

NOTE Confidence: 0.9776792

00:28:57.180 --> 00:28:58.940 is provided by Smilow Cancer

NOTE Confidence: 0.9776792

00:28:58.940 --> 00:28:59.440 Hospital.