

WEBVTT

00:00:00.000 --> 00:00:02.154 Funding for Yale Cancer Answers is

NOTE Confidence: 0.790324663090909

00:00:02.154 --> 00:00:04.190 provided by Smilow Cancer Hospital.

NOTE Confidence: 0.825975075

00:00:06.420 --> 00:00:08.352 Welcome to Yale Cancer Answers with

NOTE Confidence: 0.825975075

00:00:08.352 --> 00:00:10.899 your host, Doctor Anees Chagpar.

NOTE Confidence: 0.825975075

00:00:10.900 --> 00:00:12.692 Yale Cancer Answers features the

NOTE Confidence: 0.825975075

00:00:12.692 --> 00:00:14.810 latest information on cancer care by

NOTE Confidence: 0.825975075

00:00:14.874 --> 00:00:16.310 welcoming oncologists and specialists

NOTE Confidence: 0.825975075

00:00:16.310 --> 00:00:18.816 who are on the forefront of the

NOTE Confidence: 0.825975075

00:00:18.816 --> 00:00:20.568 battle to fight cancer. This week,

NOTE Confidence: 0.825975075

00:00:20.570 --> 00:00:22.165 it's a conversation about innovations

NOTE Confidence: 0.825975075

00:00:22.165 --> 00:00:24.156 in the care of breast cancer

NOTE Confidence: 0.825975075

00:00:24.156 --> 00:00:25.496 with Doctor Eric Winer.

NOTE Confidence: 0.825975075

00:00:25.500 --> 00:00:27.534 Doctor Winer is a professor of

NOTE Confidence: 0.825975075

00:00:27.534 --> 00:00:28.890 medicine and medical oncology

NOTE Confidence: 0.825975075

00:00:28.953 --> 00:00:30.675 at the Yale School of Medicine,

NOTE Confidence: 0.825975075

00:00:30.680 --> 00:00:32.640 where Doctor Chagpar is a
NOTE Confidence: 0.825975075

00:00:32.640 --> 00:00:34.208 professor of surgical oncology.
NOTE Confidence: 0.913926180833333

00:00:35.890 --> 00:00:37.360 So Eric, you and I have
NOTE Confidence: 0.913926180833333

00:00:37.360 --> 00:00:38.849 known each other for a while,
NOTE Confidence: 0.913926180833333

00:00:38.850 --> 00:00:41.122 but I was hoping that you could tell
NOTE Confidence: 0.913926180833333

00:00:41.122 --> 00:00:42.911 everybody a little bit more about
NOTE Confidence: 0.913926180833333

00:00:42.911 --> 00:00:45.095 yourself and how it is that you
NOTE Confidence: 0.913926180833333

00:00:45.095 --> 00:00:47.015 became a breast medical oncologist.
NOTE Confidence: 0.864710045789474

00:00:47.780 --> 00:00:51.660 Oh gosh, it was a long time ago that
NOTE Confidence: 0.864710045789474

00:00:51.760 --> 00:00:55.837 I decided to be a breast cancer doctor.
NOTE Confidence: 0.864710045789474

00:00:55.840 --> 00:00:57.536 As a medical student,
NOTE Confidence: 0.864710045789474

00:00:57.536 --> 00:00:59.656 I was actually interested in
NOTE Confidence: 0.864710045789474

00:00:59.656 --> 00:01:02.248 cancer and did my thesis in medical
NOTE Confidence: 0.864710045789474

00:01:02.248 --> 00:01:04.840 school on a breast cancer subject,
NOTE Confidence: 0.864710045789474

00:01:04.840 --> 00:01:07.288 but I didn't necessarily think I would become
NOTE Confidence: 0.864710045789474

00:01:07.288 --> 00:01:09.938 a breast cancer doctor and then for a while

NOTE Confidence: 0.864710045789474
00:01:09.940 --> 00:01:11.926 I actually thought about being a
NOTE Confidence: 0.864710045789474
00:01:11.926 --> 00:01:13.876 psychiatrist, but decided that
NOTE Confidence: 0.864710045789474
00:01:13.876 --> 00:01:16.800 wasn't probably quite what I wanted to do.
NOTE Confidence: 0.864710045789474
00:01:16.800 --> 00:01:19.558 And as a resident I just found
NOTE Confidence: 0.864710045789474
00:01:19.558 --> 00:01:22.340 cancer to be the most interesting
NOTE Confidence: 0.864710045789474
00:01:22.340 --> 00:01:25.340 area that I dealt with.
NOTE Confidence: 0.864710045789474
00:01:25.340 --> 00:01:27.314 And so I was actually
NOTE Confidence: 0.864710045789474
00:01:27.314 --> 00:01:29.650 here at Yale as a resident.
NOTE Confidence: 0.864710045789474
00:01:29.650 --> 00:01:32.360 And then I went to Duke as a fellow.
NOTE Confidence: 0.864710045789474
00:01:32.360 --> 00:01:34.688 And in truth I was interested
NOTE Confidence: 0.864710045789474
00:01:34.688 --> 00:01:35.852 in breast cancer,
NOTE Confidence: 0.864710045789474
00:01:35.860 --> 00:01:38.464 but it was also an opportunity
NOTE Confidence: 0.864710045789474
00:01:38.464 --> 00:01:41.369 because the job opened up as someone
NOTE Confidence: 0.864710045789474
00:01:41.369 --> 00:01:44.457 to really take care of most
NOTE Confidence: 0.864710045789474
00:01:44.457 --> 00:01:46.847 patients with breast cancer.
NOTE Confidence: 0.864710045789474

00:01:46.850 --> 00:01:48.950 At Duke in those days,
NOTE Confidence: 0.864710045789474

00:01:48.950 --> 00:01:51.350 it was a time when we knew
NOTE Confidence: 0.864710045789474

00:01:51.350 --> 00:01:53.528 much less about breast cancer,
NOTE Confidence: 0.864710045789474

00:01:53.530 --> 00:01:56.956 and when a very young doctor
NOTE Confidence: 0.864710045789474

00:01:56.956 --> 00:01:58.669 could suddenly become
NOTE Confidence: 0.864710045789474

00:01:58.670 --> 00:02:00.062 the breast cancer expert,
NOTE Confidence: 0.864710045789474

00:02:00.062 --> 00:02:01.802 which is certainly not the
NOTE Confidence: 0.864710045789474

00:02:01.802 --> 00:02:03.339 way it would be today.
NOTE Confidence: 0.864710045789474

00:02:03.340 --> 00:02:04.996 And that was now 30 years
NOTE Confidence: 0.864710045789474

00:02:04.996 --> 00:02:06.660 ago and I have to say,
NOTE Confidence: 0.864710045789474

00:02:06.660 --> 00:02:11.770 it's been an incredible journey.
NOTE Confidence: 0.864710045789474

00:02:11.770 --> 00:02:14.105 And it's been a really
NOTE Confidence: 0.864710045789474

00:02:14.105 --> 00:02:15.973 perfect profession for me.
NOTE Confidence: 0.9248053225

00:02:17.510 --> 00:02:19.046 So tell us a little bit
NOTE Confidence: 0.9248053225

00:02:19.046 --> 00:02:20.690 more about why you say that.
NOTE Confidence: 0.9248053225

00:02:20.690 --> 00:02:23.840 I mean, because many people when they

NOTE Confidence: 0.9248053225

00:02:23.840 --> 00:02:26.406 think about the perfect profession

NOTE Confidence: 0.9248053225

00:02:26.406 --> 00:02:29.772 they would think about something that

NOTE Confidence: 0.9248053225

00:02:29.772 --> 00:02:33.823 is highly lucrative that does not

NOTE Confidence: 0.9248053225

00:02:33.823 --> 00:02:37.969 require a tremendous amount of effort.

NOTE Confidence: 0.9248053225

00:02:37.970 --> 00:02:41.090 And where everybody around you is

NOTE Confidence: 0.9248053225

00:02:41.090 --> 00:02:44.936 happy and doing well, but when we think

NOTE Confidence: 0.9248053225

00:02:44.936 --> 00:02:47.706 about cancer doctors in general,

NOTE Confidence: 0.9248053225

00:02:47.710 --> 00:02:50.867 these are people who work incredibly hard.

NOTE Confidence: 0.9248053225

00:02:50.870 --> 00:02:53.310 They have very long hours.

NOTE Confidence: 0.9248053225

00:02:53.310 --> 00:02:55.295 They may not be remunerated

NOTE Confidence: 0.9248053225

00:02:55.295 --> 00:02:57.860 as well as one would think,

NOTE Confidence: 0.9248053225

00:02:57.860 --> 00:03:00.092 and the people around them and

NOTE Confidence: 0.9248053225

00:03:00.092 --> 00:03:02.010 the patients that they have,

NOTE Confidence: 0.9248053225

00:03:02.010 --> 00:03:05.838 although sometimes do well, sometimes don't.

NOTE Confidence: 0.9248053225

00:03:05.840 --> 00:03:07.556 So how do you square that?

00:03:10.878 --> 00:03:13.140 I'll pick that apart a little bit and

NOTE Confidence: 0.855268975833333

00:03:13.140 --> 00:03:15.890 answer it in a number of ways.

NOTE Confidence: 0.855268975833333

00:03:15.890 --> 00:03:19.042 So first I have to say I've always

NOTE Confidence: 0.855268975833333

00:03:19.042 --> 00:03:22.385 been paid more than enough to meet the

NOTE Confidence: 0.855268975833333

00:03:22.385 --> 00:03:25.648 needs that I have and my family has,

NOTE Confidence: 0.855268975833333

00:03:25.650 --> 00:03:32.390 so that's been fine. In terms of

NOTE Confidence: 0.855268975833333

00:03:32.390 --> 00:03:34.694 wanting a job where I might not have

NOTE Confidence: 0.855268975833333

00:03:34.694 --> 00:03:37.192 to work so hard that was never really

NOTE Confidence: 0.855268975833333

00:03:37.192 --> 00:03:39.457 part of my vision and I'm somebody

NOTE Confidence: 0.855268975833333

00:03:39.457 --> 00:03:42.444 who likes to work hard who likes to

NOTE Confidence: 0.855268975833333

00:03:42.444 --> 00:03:47.205 get involved and so working hard in

NOTE Confidence: 0.855268975833333

00:03:47.205 --> 00:03:49.690 an area where you really love what

NOTE Confidence: 0.855268975833333

00:03:49.690 --> 00:03:52.036 you're doing is pretty easy for me.

NOTE Confidence: 0.855268975833333

00:03:52.040 --> 00:03:54.273 And I think the reason it's been

NOTE Confidence: 0.855268975833333

00:03:54.273 --> 00:03:56.326 such a perfect profession is that

NOTE Confidence: 0.855268975833333

00:03:56.326 --> 00:03:58.980 it has been the perfect mix for me,

NOTE Confidence: 0.855268975833333

00:03:58.980 --> 00:04:03.030 of both patient care and research
NOTE Confidence: 0.8552689758333333

00:04:03.030 --> 00:04:04.380 and education.
NOTE Confidence: 0.8552689758333333

00:04:04.380 --> 00:04:09.030 And in some administration or leadership.
NOTE Confidence: 0.8552689758333333

00:04:09.030 --> 00:04:12.450 And the proportion of those various
NOTE Confidence: 0.8552689758333333

00:04:12.450 --> 00:04:14.730 components has varied overtime.
NOTE Confidence: 0.8552689758333333

00:04:14.730 --> 00:04:17.950 But I have to say that I've always
NOTE Confidence: 0.8552689758333333

00:04:17.950 --> 00:04:20.409 loved taking care of patients. I've
NOTE Confidence: 0.8552689758333333

00:04:20.409 --> 00:04:23.763 learned more than one can
NOTE Confidence: 0.8552689758333333

00:04:23.763 --> 00:04:27.069 imagine from taking care of people.
NOTE Confidence: 0.8552689758333333

00:04:27.070 --> 00:04:29.030 And at the same time,
NOTE Confidence: 0.8552689758333333

00:04:29.030 --> 00:04:30.605 I've loved doing the research
NOTE Confidence: 0.8552689758333333

00:04:30.605 --> 00:04:32.775 I've done because if all I did
NOTE Confidence: 0.8552689758333333

00:04:32.775 --> 00:04:34.110 was take care of patients,
NOTE Confidence: 0.8552689758333333

00:04:34.110 --> 00:04:35.646 I think it would be fine.
NOTE Confidence: 0.8552689758333333

00:04:35.650 --> 00:04:38.765 But I wouldn't feel like I was
NOTE Confidence: 0.8552689758333333

00:04:38.770 --> 00:04:41.512 making the kind of improvements that

NOTE Confidence: 0.855268975833333

00:04:41.512 --> 00:04:44.760 I would like in the field.

NOTE Confidence: 0.771193876333333

00:04:44.810 --> 00:04:47.348 So you know, I think one of the things

NOTE Confidence: 0.771193876333333

00:04:47.348 --> 00:04:49.856 that you point out is something that a

NOTE Confidence: 0.771193876333333

00:04:49.856 --> 00:04:52.429 lot of people in cancer medicine feel.

NOTE Confidence: 0.771193876333333

00:04:52.430 --> 00:04:56.636 Which is there is a certain

NOTE Confidence: 0.771193876333333

00:04:56.640 --> 00:04:59.321 pride, a certain humility and

NOTE Confidence: 0.771193876333333

00:04:59.321 --> 00:05:02.540 and a certain joy in being able to not

NOTE Confidence: 0.771193876333333

00:05:02.540 --> 00:05:05.180 only help patients on a 1 to one basis,

NOTE Confidence: 0.771193876333333

00:05:05.180 --> 00:05:07.868 but also to help patients

NOTE Confidence: 0.771193876333333

00:05:07.868 --> 00:05:09.999 writ large in the future.

NOTE Confidence: 0.771193876333333

00:05:10.000 --> 00:05:11.728 Doing the kind of research that

NOTE Confidence: 0.771193876333333

00:05:11.728 --> 00:05:13.400 can move the field forward.

NOTE Confidence: 0.771193876333333

00:05:13.400 --> 00:05:15.578 So can you tell us a little bit more

NOTE Confidence: 0.771193876333333

00:05:15.578 --> 00:05:17.527 about the research that you've been

NOTE Confidence: 0.771193876333333

00:05:17.527 --> 00:05:19.750 involved with over the last 30 years?

NOTE Confidence: 0.891773082222222

00:05:20.990 --> 00:05:23.690 I do want to make one comment first though,
NOTE Confidence: 0.891773082222222

00:05:23.690 --> 00:05:26.980 which is that the place where I feel as a
NOTE Confidence: 0.891773082222222

00:05:27.069 --> 00:05:30.471 person most centered is when I'm in a room
NOTE Confidence: 0.891773082222222

00:05:30.471 --> 00:05:33.826 with a patient and the door is closed as
NOTE Confidence: 0.891773082222222

00:05:33.826 --> 00:05:38.288 of course it always is for privacy and
NOTE Confidence: 0.891773082222222

00:05:38.290 --> 00:05:40.726 I can just focus on that individual
NOTE Confidence: 0.891773082222222

00:05:40.726 --> 00:05:44.123 and for me time stops and I'm really
NOTE Confidence: 0.891773082222222

00:05:44.123 --> 00:05:46.393 doing nothing but paying attention
NOTE Confidence: 0.891773082222222

00:05:46.477 --> 00:05:48.595 to what's going on in there.
NOTE Confidence: 0.891773082222222

00:05:48.600 --> 00:05:50.980 And that's a feeling that I don't
NOTE Confidence: 0.891773082222222

00:05:50.980 --> 00:05:53.588 often have in other aspects of my
NOTE Confidence: 0.891773082222222

00:05:53.588 --> 00:05:55.850 life where many people will say,
NOTE Confidence: 0.891773082222222

00:05:55.850 --> 00:05:57.410 you know, are you paying attention?
NOTE Confidence: 0.891773082222222

00:05:57.410 --> 00:06:00.008 And I may not always be,
NOTE Confidence: 0.891773082222222

00:06:00.010 --> 00:06:01.494 but I always am when I'm in
NOTE Confidence: 0.891773082222222

00:06:01.494 --> 00:06:02.810 the room with the patient.

NOTE Confidence: 0.891773082222222

00:06:02.810 --> 00:06:05.270 But in terms of research,

NOTE Confidence: 0.891773082222222

00:06:05.270 --> 00:06:08.250 my research has really been

NOTE Confidence: 0.891773082222222

00:06:08.250 --> 00:06:11.040 clinical research and translational research.

NOTE Confidence: 0.891773082222222

00:06:11.040 --> 00:06:12.234 Translational meaning

NOTE Confidence: 0.891773082222222

00:06:12.234 --> 00:06:15.816 clinical research that begins to touch

NOTE Confidence: 0.891773082222222

00:06:15.816 --> 00:06:19.368 on what's going on in the laboratory,

NOTE Confidence: 0.891773082222222

00:06:19.370 --> 00:06:23.146 but my focus has been on trying to

NOTE Confidence: 0.891773082222222

00:06:23.150 --> 00:06:25.784 improve treatments for women and

NOTE Confidence: 0.891773082222222

00:06:25.784 --> 00:06:28.090 occasionally men with breast cancer,

NOTE Confidence: 0.891773082222222

00:06:28.090 --> 00:06:30.610 and that's really gone in two directions.

NOTE Confidence: 0.891773082222222

00:06:30.610 --> 00:06:34.768 It's gone in the direction of identifying

NOTE Confidence: 0.891773082222222

00:06:34.768 --> 00:06:38.699 treatments that are truly more effective

NOTE Confidence: 0.891773082222222

00:06:38.700 --> 00:06:41.364 and that allow people to live

NOTE Confidence: 0.891773082222222

00:06:41.364 --> 00:06:43.140 longer and better lives.

NOTE Confidence: 0.891773082222222

00:06:43.140 --> 00:06:47.515 And it's also involved work looking at

NOTE Confidence: 0.891773082222222

00:06:47.520 --> 00:06:50.187 when can we do less treatment and
NOTE Confidence: 0.891773082222222

00:06:50.187 --> 00:06:52.525 spare people side effects that they
NOTE Confidence: 0.891773082222222

00:06:52.525 --> 00:06:55.590 don't need and that too has been
NOTE Confidence: 0.891773082222222

00:06:55.590 --> 00:06:57.725 very satisfying because
NOTE Confidence: 0.891773082222222

00:06:57.725 --> 00:06:58.579 of course,
NOTE Confidence: 0.891773082222222

00:06:58.580 --> 00:07:01.331 the best treatment for anyone
NOTE Confidence: 0.891773082222222

00:07:01.331 --> 00:07:04.020 is the treatment that they need.
NOTE Confidence: 0.891773082222222

00:07:04.020 --> 00:07:05.760 Not too much, not too little,
NOTE Confidence: 0.891773082222222

00:07:05.760 --> 00:07:07.540 but just the right amount.
NOTE Confidence: 0.878432137857143

00:07:08.850 --> 00:07:10.922 And so let's dive a
NOTE Confidence: 0.878432137857143

00:07:10.922 --> 00:07:13.127 little bit more into both of those.
NOTE Confidence: 0.878432137857143

00:07:13.130 --> 00:07:15.754 So one of the things that we've kind
NOTE Confidence: 0.878432137857143

00:07:15.754 --> 00:07:18.917 of noticed over time is that we have
NOTE Confidence: 0.878432137857143

00:07:18.917 --> 00:07:20.988 gotten more effective treatments and
NOTE Confidence: 0.878432137857143

00:07:20.988 --> 00:07:23.613 not only have they been more effective,
NOTE Confidence: 0.878432137857143

00:07:23.620 --> 00:07:25.888 they've been more personalized.

NOTE Confidence: 0.878432137857143
00:07:25.888 --> 00:07:29.290 So we've seen this burgeoning of
NOTE Confidence: 0.878432137857143
00:07:29.380 --> 00:07:31.932 personalized medicine of genomics
NOTE Confidence: 0.878432137857143
00:07:31.932 --> 00:07:34.895 of targeted therapies, talk a little
NOTE Confidence: 0.878432137857143
00:07:34.895 --> 00:07:37.940 bit more about the genesis of that.
NOTE Confidence: 0.878432137857143
00:07:37.940 --> 00:07:38.820 And where do you
NOTE Confidence: 0.878432137857143
00:07:38.820 --> 00:07:40.140 think things are going in terms
NOTE Confidence: 0.878432137857143
00:07:40.190 --> 00:07:40.970 of breast cancer?
NOTE Confidence: 0.855127515714286
00:07:41.720 --> 00:07:44.464 For years we knew that
NOTE Confidence: 0.855127515714286
00:07:44.464 --> 00:07:47.437 not all breast cancer was the same,
NOTE Confidence: 0.855127515714286
00:07:47.440 --> 00:07:49.673 but a patient would ask what kind
NOTE Confidence: 0.855127515714286
00:07:49.673 --> 00:07:51.642 of breast cancer do I have and
NOTE Confidence: 0.855127515714286
00:07:51.642 --> 00:07:53.699 what I would be able to tell her,
NOTE Confidence: 0.855127515714286
00:07:53.700 --> 00:07:56.297 and this is now 25 years ago,
NOTE Confidence: 0.855127515714286
00:07:56.300 --> 00:07:57.406 I'd be able to say you have
NOTE Confidence: 0.855127515714286
00:07:57.406 --> 00:07:58.170 stage one breast cancer.
NOTE Confidence: 0.855127515714286

00:07:58.170 --> 00:08:00.120 You have stage two breast cancer,
NOTE Confidence: 0.855127515714286

00:08:00.120 --> 00:08:01.605 which really doesn't say what
NOTE Confidence: 0.855127515714286

00:08:01.605 --> 00:08:03.320 kind of breast cancer it is.
NOTE Confidence: 0.855127515714286

00:08:03.320 --> 00:08:06.092 It just says how much breast cancer
NOTE Confidence: 0.855127515714286

00:08:06.092 --> 00:08:08.649 there is because stage is essentially
NOTE Confidence: 0.855127515714286

00:08:08.649 --> 00:08:11.235 a measure of amount of cancer.
NOTE Confidence: 0.855127515714286

00:08:11.240 --> 00:08:12.380 But what we've learned,
NOTE Confidence: 0.855127515714286

00:08:12.380 --> 00:08:13.520 and we've learned this
NOTE Confidence: 0.855127515714286

00:08:13.520 --> 00:08:16.166 both through clinical trials and through
NOTE Confidence: 0.855127515714286

00:08:16.166 --> 00:08:18.300 laboratory research that's been done,
NOTE Confidence: 0.855127515714286

00:08:18.300 --> 00:08:20.766 is that there are really multiple
NOTE Confidence: 0.855127515714286

00:08:20.766 --> 00:08:22.940 different subtypes of breast cancer.
NOTE Confidence: 0.855127515714286

00:08:22.940 --> 00:08:24.824 It's not one disease,
NOTE Confidence: 0.855127515714286

00:08:24.824 --> 00:08:27.990 it's a family of diseases and exactly
NOTE Confidence: 0.855127515714286

00:08:27.990 --> 00:08:30.420 how many family members there are,
NOTE Confidence: 0.855127515714286

00:08:30.420 --> 00:08:32.415 that's still a little bit unclear,

NOTE Confidence: 0.855127515714286
00:08:32.420 --> 00:08:35.738 but there are at least four very
NOTE Confidence: 0.855127515714286
00:08:35.738 --> 00:08:38.589 distinct types of breast cancer,
NOTE Confidence: 0.855127515714286
00:08:38.590 --> 00:08:41.718 and these are all treated in a different
NOTE Confidence: 0.855127515714286
00:08:41.718 --> 00:08:45.320 way and in a way that is much more
NOTE Confidence: 0.855127515714286
00:08:45.320 --> 00:08:47.309 personalized than was the case
NOTE Confidence: 0.855127515714286
00:08:47.310 --> 00:08:49.450 10 or 20 years ago.
NOTE Confidence: 0.855127515714286
00:08:49.450 --> 00:08:52.972 And that's allowed us to give
NOTE Confidence: 0.855127515714286
00:08:52.972 --> 00:08:56.610 therapy that is effective and needed,
NOTE Confidence: 0.855127515714286
00:08:56.610 --> 00:08:59.242 but not a waste of time because
NOTE Confidence: 0.855127515714286
00:08:59.242 --> 00:09:01.594 it's simply causing side effects
NOTE Confidence: 0.855127515714286
00:09:01.594 --> 00:09:03.319 without producing benefit.
NOTE Confidence: 0.834965584
00:09:05.350 --> 00:09:08.325 And so the other aspect that you
NOTE Confidence: 0.834965584
00:09:08.325 --> 00:09:11.455 had mentioned is this whole
NOTE Confidence: 0.834965584
00:09:11.455 --> 00:09:14.107 concept of deescalation.
NOTE Confidence: 0.834965584
00:09:14.110 --> 00:09:17.070 Can we get the same results or perhaps
NOTE Confidence: 0.834965584

00:09:17.070 --> 00:09:20.108 even better results by doing less therapy?

NOTE Confidence: 0.834965584

00:09:20.110 --> 00:09:22.406 So less of the therapies that may

NOTE Confidence: 0.834965584

00:09:22.406 --> 00:09:25.228 not be as effective or as needed?

NOTE Confidence: 0.834965584

00:09:25.230 --> 00:09:28.576 Can we cut down on how much

NOTE Confidence: 0.834965584

00:09:28.576 --> 00:09:30.010 surgery we're doing?

NOTE Confidence: 0.834965584

00:09:30.010 --> 00:09:31.830 Can we cut down on how much

NOTE Confidence: 0.834965584

00:09:31.830 --> 00:09:32.610 radiation we're doing?

NOTE Confidence: 0.834965584

00:09:32.610 --> 00:09:35.426 Can we cut down on how much chemotherapy?

00:09:38.460 --> 00:09:41.211 I think there may be some people

NOTE Confidence: 0.834965584

00:09:41.211 --> 00:09:43.099 who may say,

NOTE Confidence: 0.834965584

00:09:43.100 --> 00:09:45.440 who wants more therapy,

NOTE Confidence: 0.834965584

00:09:45.440 --> 00:09:50.016 but others may be a little bit apprehensive

NOTE Confidence: 0.834965584

00:09:50.020 --> 00:09:52.660 thinking that corners may be cut.

NOTE Confidence: 0.834965584

00:09:52.660 --> 00:09:54.655 Are we really getting the

NOTE Confidence: 0.834965584

00:09:54.655 --> 00:09:56.650 same results by doing less?

NOTE Confidence: 0.801297006666667

00:09:58.630 --> 00:10:02.380 Sure, you know it's interesting,

NOTE Confidence: 0.801297006666667

00:10:02.380 --> 00:10:05.032 there are both patients and doctors
NOTE Confidence: 0.801297006666667

00:10:05.032 --> 00:10:07.809 who are worried about backing off,
NOTE Confidence: 0.801297006666667

00:10:07.810 --> 00:10:11.442 and in some cases I think they don't
NOTE Confidence: 0.801297006666667

00:10:11.442 --> 00:10:14.359 appreciate that some of our therapies
NOTE Confidence: 0.801297006666667

00:10:14.360 --> 00:10:19.000 have really profound consequences and
NOTE Confidence: 0.801297006666667

00:10:19.000 --> 00:10:23.136 have side effects that one can easily do
NOTE Confidence: 0.801297006666667

00:10:23.136 --> 00:10:26.039 without and may last for years and years,
NOTE Confidence: 0.801297006666667

00:10:26.040 --> 00:10:30.027 so doing less may be doing more in some
NOTE Confidence: 0.801297006666667

00:10:30.027 --> 00:10:34.016 cases if the therapy itself isn't needed.
NOTE Confidence: 0.801297006666667

00:10:34.020 --> 00:10:36.210 Medical oncologists, people like me,
NOTE Confidence: 0.801297006666667

00:10:36.210 --> 00:10:39.339 tend to take credit for this whole
NOTE Confidence: 0.801297006666667

00:10:39.339 --> 00:10:42.335 concept of deescalation or backing off.
NOTE Confidence: 0.801297006666667

00:10:42.340 --> 00:10:44.572 But in truth it's the surgeons
NOTE Confidence: 0.801297006666667

00:10:44.572 --> 00:10:46.060 who really started it.
NOTE Confidence: 0.801297006666667

00:10:46.060 --> 00:10:50.253 And if people remember back 50 or
NOTE Confidence: 0.801297006666667

00:10:50.253 --> 00:10:53.310 60 years ago, radical mastectomy was

NOTE Confidence: 0.801297006666667
00:10:53.310 --> 00:10:56.460 a terribly deforming operation,
NOTE Confidence: 0.801297006666667
00:10:56.460 --> 00:10:57.897 performed routinely,
NOTE Confidence: 0.801297006666667
00:10:57.897 --> 00:11:01.921 and it was through a series of
NOTE Confidence: 0.801297006666667
00:11:01.921 --> 00:11:04.249 experiments, of clinical trials,
NOTE Confidence: 0.801297006666667
00:11:04.250 --> 00:11:06.665 that people find that you actually could
NOTE Confidence: 0.801297006666667
00:11:06.665 --> 00:11:09.209 do much less in the way of surgery.
NOTE Confidence: 0.801297006666667
00:11:09.210 --> 00:11:12.034 Radical mastectomies became modified
NOTE Confidence: 0.801297006666667
00:11:12.034 --> 00:11:13.446 radical mastectomies,
NOTE Confidence: 0.801297006666667
00:11:13.450 --> 00:11:17.710 and then it was demonstrated unequivocally,
NOTE Confidence: 0.801297006666667
00:11:17.710 --> 00:11:18.294 absolutely,
NOTE Confidence: 0.801297006666667
00:11:18.294 --> 00:11:21.516 unequivocally that for women who are
NOTE Confidence: 0.801297006666667
00:11:21.516 --> 00:11:24.174 appropriate candidates for an excision alone,
NOTE Confidence: 0.801297006666667
00:11:24.180 --> 00:11:26.310 or a lumpectomy
NOTE Confidence: 0.801297006666667
00:11:26.310 --> 00:11:29.590 plus radiation is entirely the
NOTE Confidence: 0.801297006666667
00:11:29.590 --> 00:11:32.214 equivalent to a mastectomy.
NOTE Confidence: 0.801297006666667

00:11:32.220 --> 00:11:33.584 And then more recently,
NOTE Confidence: 0.801297006666667

00:11:33.584 --> 00:11:34.948 over the past decade,
NOTE Confidence: 0.801297006666667

00:11:34.950 --> 00:11:38.298 we've learned that in many cases we can do
NOTE Confidence: 0.801297006666667

00:11:38.298 --> 00:11:41.826 far less in the way of lymph node surgery.
NOTE Confidence: 0.801297006666667

00:11:41.830 --> 00:11:44.390 The radiation oncologists have
NOTE Confidence: 0.801297006666667

00:11:44.390 --> 00:11:46.835 also looked carefully at who needs
NOTE Confidence: 0.801297006666667

00:11:46.835 --> 00:11:49.582 more and who needs less and have
NOTE Confidence: 0.801297006666667

00:11:49.582 --> 00:11:50.890 been more personalized.
NOTE Confidence: 0.801297006666667

00:11:50.890 --> 00:11:53.470 And again in medical oncology,
NOTE Confidence: 0.801297006666667

00:11:53.470 --> 00:11:57.166 now that we have identified subtypes of
NOTE Confidence: 0.801297006666667

00:11:57.166 --> 00:12:01.166 breast cancer and can reliably do that,
NOTE Confidence: 0.801297006666667

00:12:01.170 --> 00:12:03.072 we have found that there are
NOTE Confidence: 0.801297006666667

00:12:03.072 --> 00:12:05.326 many areas where we can or many
NOTE Confidence: 0.801297006666667

00:12:05.326 --> 00:12:07.454 patients for whom we don't need to
NOTE Confidence: 0.801297006666667

00:12:07.525 --> 00:12:09.709 use treatments like chemotherapy,
NOTE Confidence: 0.801297006666667

00:12:09.710 --> 00:12:11.876 where we can use hormonal therapy

NOTE Confidence: 0.801297006666667
00:12:11.876 --> 00:12:14.576 alone and in the setting of 1
NOTE Confidence: 0.801297006666667
00:12:14.576 --> 00:12:16.144 subtype of breast cancer,
NOTE Confidence: 0.801297006666667
00:12:16.150 --> 00:12:19.104 what's called HER2 positive breast cancer,
NOTE Confidence: 0.801297006666667
00:12:19.110 --> 00:12:21.238 we've found that
NOTE Confidence: 0.801297006666667
00:12:21.238 --> 00:12:23.898 oftentimes very limited courses of
NOTE Confidence: 0.801297006666667
00:12:23.898 --> 00:12:26.553 chemotherapy can be every bit as
NOTE Confidence: 0.801297006666667
00:12:26.553 --> 00:12:29.040 effective as something that's more extreme.
NOTE Confidence: 0.800768871666667
00:12:30.750 --> 00:12:32.610 And so a lot of that,
NOTE Confidence: 0.800768871666667
00:12:32.610 --> 00:12:36.336 though is really predicated on generating
NOTE Confidence: 0.800768871666667
00:12:36.336 --> 00:12:40.270 the evidence that underpins that rationale.
NOTE Confidence: 0.800768871666667
00:12:40.270 --> 00:12:42.986 That yes, you can do less and
NOTE Confidence: 0.800768871666667
00:12:42.986 --> 00:12:45.449 achieve same outcomes,
NOTE Confidence: 0.800768871666667
00:12:45.450 --> 00:12:49.410 and that really goes to clinical
NOTE Confidence: 0.800768871666667
00:12:49.410 --> 00:12:50.730 trial participation.
NOTE Confidence: 0.800768871666667
00:12:50.730 --> 00:12:53.482 But some patients might be a little bit
NOTE Confidence: 0.800768871666667

00:12:53.482 --> 00:12:55.820 reticent to participate in clinical trials,

NOTE Confidence: 0.800768871666667

00:12:55.820 --> 00:12:58.046 so how do you talk to patients

NOTE Confidence: 0.800768871666667

00:12:58.046 --> 00:12:59.426 about clinical trial participation

NOTE Confidence: 0.800768871666667

00:12:59.426 --> 00:13:01.939 and how important it is to move

NOTE Confidence: 0.800768871666667

00:13:01.940 --> 00:13:02.699 the field forward.

NOTE Confidence: 0.784036278666667

00:13:04.160 --> 00:13:06.120 Well, ultimately a trial has

NOTE Confidence: 0.784036278666667

00:13:06.120 --> 00:13:09.189 to be right for a patient and

NOTE Confidence: 0.784036278666667

00:13:09.190 --> 00:13:12.600 in truth, there's nothing that

NOTE Confidence: 0.784036278666667

00:13:12.600 --> 00:13:15.386 should ever compel or force a

NOTE Confidence: 0.784036278666667

00:13:15.386 --> 00:13:17.510 patient to participate in the trial.

NOTE Confidence: 0.784036278666667

00:13:17.510 --> 00:13:19.890 It has to be voluntary,

NOTE Confidence: 0.784036278666667

00:13:19.890 --> 00:13:23.166 but in general, with clinical trials,

NOTE Confidence: 0.784036278666667

00:13:23.170 --> 00:13:25.426 we're actually trying to do better.

NOTE Confidence: 0.784036278666667

00:13:25.430 --> 00:13:28.356 So in some cases we're doing randomized

NOTE Confidence: 0.784036278666667

00:13:28.356 --> 00:13:30.466 clinical trials that compare a

NOTE Confidence: 0.784036278666667

00:13:30.466 --> 00:13:32.806 standard with something that we hope

NOTE Confidence: 0.784036278666667
00:13:32.806 --> 00:13:36.690 is better than the standard and
NOTE Confidence: 0.784036278666667
00:13:36.690 --> 00:13:38.250 much of the time,
NOTE Confidence: 0.784036278666667
00:13:38.250 --> 00:13:41.670 we're testing new
NOTE Confidence: 0.784036278666667
00:13:41.670 --> 00:13:44.460 treatments that actually do turn out
NOTE Confidence: 0.784036278666667
00:13:44.545 --> 00:13:47.338 to be better or certainly not worse.
NOTE Confidence: 0.784036278666667
00:13:47.340 --> 00:13:50.788 And in clinical trials that may not be
NOTE Confidence: 0.784036278666667
00:13:50.788 --> 00:13:53.377 randomized still there the intent,
NOTE Confidence: 0.784036278666667
00:13:53.380 --> 00:13:56.536 of course, is to
NOTE Confidence: 0.784036278666667
00:13:56.540 --> 00:13:59.809 develop a treatment or an approach that
NOTE Confidence: 0.784036278666667
00:13:59.809 --> 00:14:03.199 is better than the standard approach.
NOTE Confidence: 0.784036278666667
00:14:03.200 --> 00:14:04.524 Having said all that,
NOTE Confidence: 0.784036278666667
00:14:04.524 --> 00:14:06.510 there are patients who just want
NOTE Confidence: 0.784036278666667
00:14:06.578 --> 00:14:08.174 the standard therapy they're
NOTE Confidence: 0.784036278666667
00:14:08.174 --> 00:14:10.568 comfortable with what is known,
NOTE Confidence: 0.784036278666667
00:14:10.570 --> 00:14:14.090 and they don't want to stray beyond that.
NOTE Confidence: 0.784036278666667

00:14:14.090 --> 00:14:17.830 And that's that's OK.
NOTE Confidence: 0.784036278666667

00:14:17.830 --> 00:14:19.622 I will say, however,
NOTE Confidence: 0.784036278666667

00:14:19.622 --> 00:14:22.792 that all of the improvements that I
NOTE Confidence: 0.784036278666667

00:14:22.792 --> 00:14:25.522 talked about a few minutes ago all
NOTE Confidence: 0.784036278666667

00:14:25.522 --> 00:14:28.967 came about as a result of clinical trials.
NOTE Confidence: 0.784036278666667

00:14:28.970 --> 00:14:32.330 If you're backing off on therapy
NOTE Confidence: 0.784036278666667

00:14:32.330 --> 00:14:34.340 and trying to do less,
NOTE Confidence: 0.784036278666667

00:14:34.340 --> 00:14:36.181 that should be done as part of
NOTE Confidence: 0.784036278666667

00:14:36.181 --> 00:14:37.752 a clinical trial to demonstrate
NOTE Confidence: 0.784036278666667

00:14:37.752 --> 00:14:38.829 that that's safe.
NOTE Confidence: 0.784036278666667

00:14:38.830 --> 00:14:40.664 If you're looking at a new therapy,
NOTE Confidence: 0.784036278666667

00:14:40.670 --> 00:14:42.168 and I don't want people to think
NOTE Confidence: 0.784036278666667

00:14:42.168 --> 00:14:43.578 for a minute that although we
NOTE Confidence: 0.784036278666667

00:14:43.578 --> 00:14:45.006 do is back off on therapies,
NOTE Confidence: 0.784036278666667

00:14:45.010 --> 00:14:47.938 we still need to develop
NOTE Confidence: 0.784036278666667

00:14:47.938 --> 00:14:49.890 new and better therapies,

NOTE Confidence: 0.784036278666667
00:14:49.890 --> 00:14:51.778 hopefully therapies that don't
NOTE Confidence: 0.784036278666667
00:14:51.778 --> 00:14:54.610 have a great deal of toxicity.
NOTE Confidence: 0.784036278666667
00:14:54.610 --> 00:14:56.990 But when we're doing that,
NOTE Confidence: 0.784036278666667
00:14:56.990 --> 00:14:59.414 that's part of a clinical trial as well.
NOTE Confidence: 0.784036278666667
00:14:59.420 --> 00:15:02.517 So local trials are really absolutely
NOTE Confidence: 0.784036278666667
00:15:02.517 --> 00:15:04.419 critical for moving the field forward,
NOTE Confidence: 0.784036278666667
00:15:04.420 --> 00:15:08.436 and the reason we have made so much
NOTE Confidence: 0.784036278666667
00:15:08.436 --> 00:15:11.908 progress in breast cancer is that
NOTE Confidence: 0.784036278666667
00:15:11.910 --> 00:15:12.658 mostly women,
NOTE Confidence: 0.784036278666667
00:15:12.658 --> 00:15:14.528 because unfortunately even the men
NOTE Confidence: 0.784036278666667
00:15:14.528 --> 00:15:16.825 who have breast cancer are often
NOTE Confidence: 0.784036278666667
00:15:16.825 --> 00:15:18.685 excluded from the clinical trials,
NOTE Confidence: 0.784036278666667
00:15:18.690 --> 00:15:21.780 but women have very
NOTE Confidence: 0.784036278666667
00:15:21.780 --> 00:15:24.252 generously participated in trials.
NOTE Confidence: 0.885311939090909
00:15:25.520 --> 00:15:27.830 We're going to
NOTE Confidence: 0.885311939090909

00:15:27.830 --> 00:15:30.204 pick up this conversation right after we
NOTE Confidence: 0.885311939090909

00:15:30.204 --> 00:15:33.200 take a short break for a medical minute.
NOTE Confidence: 0.885311939090909

00:15:33.200 --> 00:15:35.552 Please stay tuned to learn more about
NOTE Confidence: 0.885311939090909

00:15:35.552 --> 00:15:37.263 innovations in Breast Cancer Care
NOTE Confidence: 0.885311939090909

00:15:37.263 --> 00:15:39.183 with my guest doctor Eric Winer.
NOTE Confidence: 0.769441751

00:15:39.940 --> 00:15:41.920 Funding for Yale Cancer Answers
NOTE Confidence: 0.769441751

00:15:41.920 --> 00:15:43.900 comes from Smilow Cancer Hospital,
NOTE Confidence: 0.769441751

00:15:43.900 --> 00:15:46.833 where you can view videos from their
NOTE Confidence: 0.769441751

00:15:46.833 --> 00:15:49.739 survivorship team by searching for the
NOTE Confidence: 0.769441751

00:15:49.739 --> 00:15:52.359 smilow survivorship playlist on YouTube.
NOTE Confidence: 0.769441751

00:15:52.360 --> 00:15:54.472 The American Cancer Society
NOTE Confidence: 0.769441751

00:15:54.472 --> 00:15:56.826 estimates that nearly 150,000 people
NOTE Confidence: 0.769441751

00:15:56.826 --> 00:15:59.507 in the US will be diagnosed with
NOTE Confidence: 0.769441751

00:15:59.507 --> 00:16:01.480 colorectal cancer this year alone.
NOTE Confidence: 0.769441751

00:16:01.480 --> 00:16:03.550 When detected, early colorectal cancer
NOTE Confidence: 0.769441751

00:16:03.550 --> 00:16:06.180 is easily treated and highly curable,

NOTE Confidence: 0.769441751

00:16:06.180 --> 00:16:08.556 and men and women over the age of 45

NOTE Confidence: 0.769441751

00:16:08.556 --> 00:16:10.105 should have regular colonoscopies

NOTE Confidence: 0.769441751

00:16:10.105 --> 00:16:12.140 to screen for the disease.

NOTE Confidence: 0.769441751

00:16:12.140 --> 00:16:13.596 Patients with colorectal cancer

NOTE Confidence: 0.769441751

00:16:13.596 --> 00:16:15.780 have more hope than ever before,

NOTE Confidence: 0.769441751

00:16:15.780 --> 00:16:18.576 thanks to increased access to advanced

NOTE Confidence: 0.769441751

00:16:18.576 --> 00:16:20.440 therapies and specialized care.

NOTE Confidence: 0.769441751

00:16:20.440 --> 00:16:22.440 Clinical trials are currently underway.

NOTE Confidence: 0.769441751

00:16:22.440 --> 00:16:23.880 Federally designated comprehensive

NOTE Confidence: 0.769441751

00:16:23.880 --> 00:16:26.760 cancer centers such as Yale Cancer

NOTE Confidence: 0.769441751

00:16:26.760 --> 00:16:29.268 Center and its Milo Cancer Hospital

NOTE Confidence: 0.769441751

00:16:29.268 --> 00:16:31.739 to test innovative new treatments for

NOTE Confidence: 0.769441751

00:16:31.739 --> 00:16:33.979 colorectal cancer tumor gene analysis

NOTE Confidence: 0.769441751

00:16:33.979 --> 00:16:36.216 has helped improve management of

NOTE Confidence: 0.769441751

00:16:36.216 --> 00:16:38.396 colorectal cancer by identifying the

NOTE Confidence: 0.769441751

00:16:38.396 --> 00:16:41.238 patients most likely to benefit from
NOTE Confidence: 0.769441751

00:16:41.238 --> 00:16:43.808 chemotherapy and newer targeted agents,
NOTE Confidence: 0.769441751

00:16:43.810 --> 00:16:46.690 resulting in more patient specific treatment.
NOTE Confidence: 0.769441751

00:16:46.690 --> 00:16:49.670 More information is available at
NOTE Confidence: 0.769441751

00:16:49.670 --> 00:16:50.954 yalecancercenter.org you're listening
NOTE Confidence: 0.769441751

00:16:50.954 --> 00:16:52.666 to Connecticut Public Radio.
NOTE Confidence: 0.8411778183333333

00:16:53.330 --> 00:16:55.688 Welcome back to Yale Cancer answers.
NOTE Confidence: 0.8411778183333333

00:16:55.690 --> 00:16:58.338 This is doctor Anish Chapparr and I'm joined
NOTE Confidence: 0.8411778183333333

00:16:58.338 --> 00:17:00.790 tonight by my guest doctor Eric Weiner.
NOTE Confidence: 0.8411778183333333

00:17:00.790 --> 00:17:02.490 We're talking about advances in
NOTE Confidence: 0.8411778183333333

00:17:02.490 --> 00:17:04.608 the care of patients with breast
NOTE Confidence: 0.8411778183333333

00:17:04.608 --> 00:17:06.708 cancer and right before the break,
NOTE Confidence: 0.8411778183333333

00:17:06.710 --> 00:17:09.195 Eric, you were telling us a little
NOTE Confidence: 0.8411778183333333

00:17:09.195 --> 00:17:11.422 bit about clinical trials and about
NOTE Confidence: 0.8411778183333333

00:17:11.422 --> 00:17:13.594 how various advances had been made
NOTE Confidence: 0.8411778183333333

00:17:13.594 --> 00:17:15.910 as a result of clinical trials.

NOTE Confidence: 0.841177818333333
00:17:15.910 --> 00:17:18.290 But that, really, this is a very
NOTE Confidence: 0.841177818333333
00:17:18.290 --> 00:17:19.950 personal decision for patients.
NOTE Confidence: 0.841177818333333
00:17:19.950 --> 00:17:21.894 Some patients want to
NOTE Confidence: 0.841177818333333
00:17:21.894 --> 00:17:23.838 participate in clinical trials.
NOTE Confidence: 0.841177818333333
00:17:23.840 --> 00:17:27.064 That potentially could positively
NOTE Confidence: 0.841177818333333
00:17:27.064 --> 00:17:29.928 impact them, because as you say,
NOTE Confidence: 0.841177818333333
00:17:29.928 --> 00:17:32.338 we're always trying to do better and
NOTE Confidence: 0.841177818333333
00:17:32.338 --> 00:17:34.234 potentially positively impact future
NOTE Confidence: 0.841177818333333
00:17:34.234 --> 00:17:36.604 generations of breast cancer patients.
NOTE Confidence: 0.841177818333333
00:17:36.610 --> 00:17:38.318 On the other hand,
NOTE Confidence: 0.841177818333333
00:17:38.318 --> 00:17:40.453 other patients may feel more
NOTE Confidence: 0.841177818333333
00:17:40.453 --> 00:17:42.548 comfortable with standard of care.
NOTE Confidence: 0.841177818333333
00:17:42.550 --> 00:17:43.810 The tried and true,
NOTE Confidence: 0.841177818333333
00:17:43.810 --> 00:17:46.681 and I think that that applies to many of
NOTE Confidence: 0.841177818333333
00:17:46.681 --> 00:17:48.868 the decisions that are made with patients.
NOTE Confidence: 0.841177818333333

00:17:48.868 --> 00:17:52.031 So can you tell us a little bit more
NOTE Confidence: 0.841177818333333

00:17:52.031 --> 00:17:54.785 about how patients make decisions about?
NOTE Confidence: 0.841177818333333

00:17:54.790 --> 00:17:57.328 Karen and a little bit about
NOTE Confidence: 0.841177818333333

00:17:57.328 --> 00:17:59.020 what that relationship is,
NOTE Confidence: 0.841177818333333

00:17:59.020 --> 00:18:02.151 what that interplay is between the
NOTE Confidence: 0.841177818333333

00:18:02.151 --> 00:18:04.608 the doctor and the patient in terms
NOTE Confidence: 0.841177818333333

00:18:04.608 --> 00:18:07.575 of coming up with a plan that is
NOTE Confidence: 0.841177818333333

00:18:07.575 --> 00:18:10.259 individualized and right for a given patient.
NOTE Confidence: 0.841177818333333

00:18:10.260 --> 00:18:11.110 Decision making
NOTE Confidence: 0.908572057142857

00:18:11.120 --> 00:18:16.125 really varies from patient to patient and.
NOTE Confidence: 0.908572057142857

00:18:16.130 --> 00:18:19.253 I think that one of the one of the
NOTE Confidence: 0.908572057142857

00:18:19.253 --> 00:18:22.199 real keys for doctors is being able
NOTE Confidence: 0.908572057142857

00:18:22.199 --> 00:18:25.403 to adjust to the patient and to
NOTE Confidence: 0.908572057142857

00:18:25.403 --> 00:18:27.803 understand how involved she wants
NOTE Confidence: 0.908572057142857

00:18:27.803 --> 00:18:30.770 to be in terms of the decision.
NOTE Confidence: 0.908572057142857

00:18:30.770 --> 00:18:32.138 There are patients.

NOTE Confidence: 0.908572057142857

00:18:32.138 --> 00:18:35.330 Who truly don't want a great deal

NOTE Confidence: 0.908572057142857

00:18:35.416 --> 00:18:38.512 of information and as much as one as

NOTE Confidence: 0.908572057142857

00:18:38.512 --> 00:18:41.605 a doctor may may try to provide it.

NOTE Confidence: 0.908572057142857

00:18:41.610 --> 00:18:44.382 Really want the doctor to make the

NOTE Confidence: 0.908572057142857

00:18:44.382 --> 00:18:46.569 decision for them and just in,

NOTE Confidence: 0.908572057142857

00:18:46.570 --> 00:18:49.083 and let them know you know what

NOTE Confidence: 0.908572057142857

00:18:49.083 --> 00:18:51.138 the treatment is going to be.

NOTE Confidence: 0.908572057142857

00:18:51.140 --> 00:18:52.580 I don't think that's the majority

NOTE Confidence: 0.908572057142857

00:18:52.580 --> 00:18:53.663 of people anymore, though,

NOTE Confidence: 0.908572057142857

00:18:53.663 --> 00:18:55.841 and I think that most individuals

NOTE Confidence: 0.908572057142857

00:18:55.841 --> 00:18:58.388 with breast cancer really want to be

NOTE Confidence: 0.908572057142857

00:18:58.388 --> 00:19:00.133 actively involved in the decision.

NOTE Confidence: 0.908572057142857

00:19:00.140 --> 00:19:02.340 They want to know what the choices are.

NOTE Confidence: 0.908572057142857

00:19:02.340 --> 00:19:04.926 That's certainly true when it comes

NOTE Confidence: 0.908572057142857

00:19:04.926 --> 00:19:07.118 to decisions about surgery and

NOTE Confidence: 0.908572057142857

00:19:07.118 --> 00:19:09.098 whether someone has a lumpectomy
NOTE Confidence: 0.908572057142857

00:19:09.098 --> 00:19:11.660 or whether they have a mastectomy.
NOTE Confidence: 0.908572057142857

00:19:11.660 --> 00:19:14.284 But it's also true in terms of the
NOTE Confidence: 0.908572057142857

00:19:14.284 --> 00:19:16.459 decisions about about medical therapy,
NOTE Confidence: 0.908572057142857

00:19:16.460 --> 00:19:18.900 about hormonal therapy and chemotherapy.
NOTE Confidence: 0.908572057142857

00:19:18.900 --> 00:19:21.390 And so I think that.
NOTE Confidence: 0.908572057142857

00:19:21.390 --> 00:19:22.326 As clinicians,
NOTE Confidence: 0.908572057142857

00:19:22.326 --> 00:19:25.602 we really need to be able to
NOTE Confidence: 0.908572057142857

00:19:25.602 --> 00:19:27.729 talk to our patients,
NOTE Confidence: 0.908572057142857

00:19:27.730 --> 00:19:30.490 understand where they're coming from,
NOTE Confidence: 0.908572057142857

00:19:30.490 --> 00:19:32.340 and understand how we're going
NOTE Confidence: 0.908572057142857

00:19:32.340 --> 00:19:34.920 to get to a decision together,
NOTE Confidence: 0.691923900777778

00:19:35.210 --> 00:19:38.567 and so you know when you think about that,
NOTE Confidence: 0.691923900777778

00:19:38.570 --> 00:19:40.859 though, I mean, it certainly brings up
NOTE Confidence: 0.691923900777778

00:19:40.859 --> 00:19:44.182 a myriad of ethical, potentially issues,
NOTE Confidence: 0.691923900777778

00:19:44.182 --> 00:19:49.594 so you know patients who may be of certain

NOTE Confidence: 0.691923900777778
00:19:49.594 --> 00:19:51.626 cultural backgrounds where, for example.
NOTE Confidence: 0.691923900777778
00:19:51.626 --> 00:19:53.534 Male members of the family may
NOTE Confidence: 0.691923900777778
00:19:53.534 --> 00:19:55.844 come up to you before you go into
NOTE Confidence: 0.691923900777778
00:19:55.844 --> 00:19:57.920 the room with the patient saying,
NOTE Confidence: 0.691923900777778
00:19:57.920 --> 00:20:01.022 please don't discuss anything to do
NOTE Confidence: 0.691923900777778
00:20:01.022 --> 00:20:04.298 with my wife's diagnosis with my wife.
NOTE Confidence: 0.691923900777778
00:20:04.300 --> 00:20:06.169 I will manage all of the decisions.
NOTE Confidence: 0.691923900777778
00:20:06.170 --> 00:20:10.450 So how do you? How do you manage that? Ohh,
NOTE Confidence: 0.87334242962963
00:20:10.520 --> 00:20:13.138 you know that's a really hard question
NOTE Confidence: 0.87334242962963
00:20:13.138 --> 00:20:15.920 and it's a really hard situation and
NOTE Confidence: 0.87334242962963
00:20:15.920 --> 00:20:18.861 it's one that I have quite honestly
NOTE Confidence: 0.87334242962963
00:20:18.861 --> 00:20:21.735 struggled with for years and years.
NOTE Confidence: 0.87334242962963
00:20:21.740 --> 00:20:25.476 In general, my feeling is that as much
NOTE Confidence: 0.87334242962963
00:20:25.476 --> 00:20:28.780 as one has to respect someone's culture
NOTE Confidence: 0.87334242962963
00:20:28.780 --> 00:20:32.020 and how they want to approach a problem,
NOTE Confidence: 0.87334242962963

00:20:32.020 --> 00:20:34.500 there are also ways in which we take
NOTE Confidence: 0.87334242962963

00:20:34.500 --> 00:20:37.170 care of people in the United States.
NOTE Confidence: 0.87334242962963

00:20:37.170 --> 00:20:40.008 And for me it's not OK,
NOTE Confidence: 0.87334242962963

00:20:40.010 --> 00:20:43.335 not telling someone what their diagnosis is,
NOTE Confidence: 0.87334242962963

00:20:43.340 --> 00:20:46.308 and it's not OK, not involving them
NOTE Confidence: 0.87334242962963

00:20:46.308 --> 00:20:50.170 in any way in the treatment decisions.
NOTE Confidence: 0.87334242962963

00:20:50.170 --> 00:20:52.450 I certainly can modify my approach
NOTE Confidence: 0.87334242962963

00:20:52.450 --> 00:20:55.802 and I want to listen to the family
NOTE Confidence: 0.87334242962963

00:20:55.802 --> 00:20:57.546 and respect the family.
NOTE Confidence: 0.87334242962963

00:20:57.550 --> 00:21:00.952 But I also feel like we have to be
NOTE Confidence: 0.87334242962963

00:21:00.952 --> 00:21:03.838 respectful of the way we feel that people
NOTE Confidence: 0.87334242962963

00:21:03.838 --> 00:21:08.208 need to be taken care of in, in, in a.
NOTE Confidence: 0.87334242962963

00:21:08.208 --> 00:21:10.508 Humane way here in this country.
NOTE Confidence: 0.93635189

00:21:11.710 --> 00:21:14.499 You know it brings up another whole
NOTE Confidence: 0.93635189

00:21:14.499 --> 00:21:17.222 Pandora's box of the issues in terms
NOTE Confidence: 0.93635189

00:21:17.222 --> 00:21:20.899 of the fact that even in this country

NOTE Confidence: 0.93635189

00:21:20.899 --> 00:21:23.810 different people are treated differently.

NOTE Confidence: 0.93635189

00:21:23.810 --> 00:21:28.325 Whether we consciously know it or not.

NOTE Confidence: 0.93635189

00:21:28.330 --> 00:21:31.266 But there are disparities in terms of care,

NOTE Confidence: 0.93635189

00:21:31.270 --> 00:21:33.966 racial disparities, ethnic disparities,

NOTE Confidence: 0.93635189

00:21:33.966 --> 00:21:38.010 disparities based on income and insurance.

NOTE Confidence: 0.93635189

00:21:38.010 --> 00:21:40.565 And a whole myriad of other issues.

NOTE Confidence: 0.93635189

00:21:40.570 --> 00:21:43.828 Can you talk a little bit about how those

NOTE Confidence: 0.93635189

00:21:43.828 --> 00:21:45.967 disparities play into the management

NOTE Confidence: 0.93635189

00:21:45.967 --> 00:21:48.092 of patients with breast cancer?

NOTE Confidence: 0.93635189

00:21:48.100 --> 00:21:50.928 And perhaps some of the things that

NOTE Confidence: 0.93635189

00:21:50.928 --> 00:21:53.928 are being done or being contemplated

NOTE Confidence: 0.93635189

00:21:53.930 --> 00:21:55.818 to reduce those disparities?

NOTE Confidence: 0.867725955

00:21:57.200 --> 00:21:59.515 So this is an absolutely

NOTE Confidence: 0.867725955

00:21:59.515 --> 00:22:01.830 huge issue for the community.

NOTE Confidence: 0.867725955

00:22:01.830 --> 00:22:05.438 It's a huge issue for us at Yale,

NOTE Confidence: 0.867725955

00:22:05.440 --> 00:22:08.086 and in fact I will share that.

NOTE Confidence: 0.867725955

00:22:08.090 --> 00:22:11.534 Just yesterday we had a strategic

NOTE Confidence: 0.867725955

00:22:11.534 --> 00:22:15.392 planning retreat and at least 50% of

NOTE Confidence: 0.867725955

00:22:15.392 --> 00:22:18.704 it was focused on community outreach

NOTE Confidence: 0.867725955

00:22:18.704 --> 00:22:21.889 and issues related to disparities.

NOTE Confidence: 0.867725955

00:22:21.890 --> 00:22:25.467 If we look at the medical literature,

NOTE Confidence: 0.867725955

00:22:25.470 --> 00:22:29.706 it is very clear that anything.

NOTE Confidence: 0.867725955

00:22:29.710 --> 00:22:33.147 That makes someone a little bit different,

NOTE Confidence: 0.867725955

00:22:33.150 --> 00:22:35.742 puts them at risk for getting

NOTE Confidence: 0.867725955

00:22:35.742 --> 00:22:37.950 less than adequate cancer care.

NOTE Confidence: 0.867725955

00:22:37.950 --> 00:22:40.248 That's true in terms of race.

NOTE Confidence: 0.867725955

00:22:40.250 --> 00:22:44.289 It's true in terms of sexual orientation,

NOTE Confidence: 0.867725955

00:22:44.290 --> 00:22:46.158 education, income.

NOTE Confidence: 0.867725955

00:22:46.158 --> 00:22:50.828 Disabilities and on and on.

NOTE Confidence: 0.867725955

00:22:50.830 --> 00:22:55.112 And if we did nothing but eliminate

NOTE Confidence: 0.867725955

00:22:55.112 --> 00:22:57.202 all the cancer care disparities

NOTE Confidence: 0.867725955

00:22:57.202 --> 00:22:59.727 for women with breast cancer,

NOTE Confidence: 0.867725955

00:22:59.730 --> 00:23:01.816 we would probably save at least half

NOTE Confidence: 0.867725955

00:23:01.816 --> 00:23:04.226 of the lives that are lost each year.

NOTE Confidence: 0.867725955

00:23:04.230 --> 00:23:06.414 And I there's no study that actually

NOTE Confidence: 0.867725955

00:23:06.414 --> 00:23:08.529 has come up with that figure.

NOTE Confidence: 0.867725955

00:23:08.530 --> 00:23:10.226 That's my own guess.

NOTE Confidence: 0.867725955

00:23:10.226 --> 00:23:12.770 But I think that it's probably

NOTE Confidence: 0.867725955

00:23:12.861 --> 00:23:14.109 quite accurate.

NOTE Confidence: 0.867725955

00:23:14.110 --> 00:23:15.700 Umm?

NOTE Confidence: 0.867725955

00:23:15.700 --> 00:23:18.679 So this is really a critical issue for us.

NOTE Confidence: 0.867725955

00:23:18.680 --> 00:23:20.535 It's going to be an even more

NOTE Confidence: 0.867725955

00:23:20.535 --> 00:23:21.925 critical issue over the course

NOTE Confidence: 0.867725955

00:23:21.925 --> 00:23:23.815 of the next decade as we develop

NOTE Confidence: 0.867725955

00:23:23.815 --> 00:23:25.278 better and better therapies,

NOTE Confidence: 0.867725955

00:23:25.280 --> 00:23:26.860 not just for breast cancer,

NOTE Confidence: 0.867725955

00:23:26.860 --> 00:23:28.384 but for all cancers.
NOTE Confidence: 0.867725955

00:23:28.384 --> 00:23:30.670 The challenge for us as cancer
NOTE Confidence: 0.867725955

00:23:30.751 --> 00:23:32.656 doctors and as cancer researchers
NOTE Confidence: 0.867725955

00:23:32.656 --> 00:23:35.713 is going to be to make sure that
NOTE Confidence: 0.867725955

00:23:35.713 --> 00:23:37.855 we get the care to everyone,
NOTE Confidence: 0.867725955

00:23:37.860 --> 00:23:40.800 and that's not going to be simple,
NOTE Confidence: 0.867725955

00:23:40.800 --> 00:23:42.930 but it's something that that we're
NOTE Confidence: 0.867725955

00:23:42.930 --> 00:23:45.777 really going to have to work on with with.
NOTE Confidence: 0.867725955

00:23:45.780 --> 00:23:47.088 Really full intensity.
NOTE Confidence: 0.831935292

00:23:48.380 --> 00:23:50.012 You know, address addressing
NOTE Confidence: 0.831935292

00:23:50.012 --> 00:23:52.052 disparities is something that I
NOTE Confidence: 0.831935292

00:23:52.052 --> 00:23:53.965 think many institutions are are
NOTE Confidence: 0.831935292

00:23:53.965 --> 00:23:56.119 looking at and trying to tackle,
NOTE Confidence: 0.831935292

00:23:56.120 --> 00:24:00.859 because it is such a complex issue,
NOTE Confidence: 0.831935292

00:24:00.860 --> 00:24:03.338 but I think one of the things
NOTE Confidence: 0.831935292

00:24:03.338 --> 00:24:07.220 that kind of underpins it is this

NOTE Confidence: 0.831935292

00:24:07.220 --> 00:24:10.660 concept of financial toxicity.

NOTE Confidence: 0.831935292

00:24:10.660 --> 00:24:14.685 We know that cancer care is incredibly

NOTE Confidence: 0.831935292

00:24:14.685 --> 00:24:18.627 expensive and that really the care that

NOTE Confidence: 0.831935292

00:24:18.630 --> 00:24:20.834 individual patients can afford

NOTE Confidence: 0.831935292

00:24:20.834 --> 00:24:23.589 varies based on their income

NOTE Confidence: 0.831935292

00:24:23.589 --> 00:24:26.437 based on their insurance status.

NOTE Confidence: 0.831935292

00:24:26.440 --> 00:24:28.960 And yet as we develop these newer

NOTE Confidence: 0.831935292

00:24:28.960 --> 00:24:31.449 therapies that come down the pike as

NOTE Confidence: 0.831935292

00:24:31.449 --> 00:24:33.930 we were talking about before the break,

NOTE Confidence: 0.831935292

00:24:33.930 --> 00:24:36.108 they tend to be pretty expensive,

NOTE Confidence: 0.831935292

00:24:36.110 --> 00:24:39.446 so what can we do to reduce financial

NOTE Confidence: 0.831935292

00:24:39.446 --> 00:24:42.074 toxicity that can really help many

NOTE Confidence: 0.831935292

00:24:42.074 --> 00:24:44.630 patients and kind of level some

NOTE Confidence: 0.831935292

00:24:44.712 --> 00:24:47.166 of the playing field?

NOTE Confidence: 0.89945087

00:24:48.300 --> 00:24:50.412 Well, you can think of financial

NOTE Confidence: 0.89945087

00:24:50.412 --> 00:24:52.980 toxicity in a couple of ways.
NOTE Confidence: 0.89945087

00:24:52.980 --> 00:24:57.090 One is of course is just the
NOTE Confidence: 0.89945087

00:24:57.090 --> 00:24:59.850 sometimes substantial out
NOTE Confidence: 0.89945087

00:24:59.850 --> 00:25:03.530 of pocket costs for copays,
NOTE Confidence: 0.89945087

00:25:03.530 --> 00:25:06.750 but also for things like parking and
NOTE Confidence: 0.89945087

00:25:06.750 --> 00:25:09.777 days off from work and childcare
NOTE Confidence: 0.89945087

00:25:09.777 --> 00:25:12.705 and everything else and
NOTE Confidence: 0.89945087

00:25:12.705 --> 00:25:15.253 we can certainly do our best to
NOTE Confidence: 0.89945087

00:25:15.253 --> 00:25:18.320 try to help patients with that by
NOTE Confidence: 0.89945087

00:25:18.320 --> 00:25:20.650 connecting them to services in
NOTE Confidence: 0.89945087

00:25:20.733 --> 00:25:23.349 the Community and using,
NOTE Confidence: 0.89945087

00:25:23.350 --> 00:25:25.595 at times philanthropic funds to
NOTE Confidence: 0.89945087

00:25:25.595 --> 00:25:27.840 cover some of those expenses.
NOTE Confidence: 0.89945087

00:25:27.840 --> 00:25:31.008 I think the bigger issue though
NOTE Confidence: 0.89945087

00:25:31.010 --> 00:25:34.232 is that the cost of cancer care in the
NOTE Confidence: 0.89945087

00:25:34.232 --> 00:25:37.629 United States has become truly overwhelming.

NOTE Confidence: 0.89945087

00:25:37.630 --> 00:25:41.338 It's bankrupting for virtually any individual

NOTE Confidence: 0.89945087

00:25:41.338 --> 00:25:44.770 who doesn't have adequate insurance.

NOTE Confidence: 0.89945087

00:25:44.770 --> 00:25:47.806 New drugs cost in the range

NOTE Confidence: 0.89945087

00:25:47.806 --> 00:25:50.224 of 100 to \$200,000 a year.

NOTE Confidence: 0.89945087

00:25:50.224 --> 00:25:50.820 I mean,

NOTE Confidence: 0.89945087

00:25:50.820 --> 00:25:55.100 these are numbers we can't even fathom.

NOTE Confidence: 0.89945087

00:25:55.100 --> 00:25:58.574 And so I think this is really a policy

NOTE Confidence: 0.89945087

00:25:58.574 --> 00:26:01.948 issue and at some point we're going to

NOTE Confidence: 0.89945087

00:26:01.948 --> 00:26:07.840 have to change our approach to the way we

NOTE Confidence: 0.89945087

00:26:07.840 --> 00:26:12.999 look at drug development and the

NOTE Confidence: 0.89945087

00:26:13.000 --> 00:26:15.898 way we look at the Pharmaceutical

NOTE Confidence: 0.89945087

00:26:15.898 --> 00:26:19.200 industry as a whole as people may be aware,

NOTE Confidence: 0.89945087

00:26:19.200 --> 00:26:22.217 many drugs are much less expensive in

NOTE Confidence: 0.89945087

00:26:22.217 --> 00:26:25.588 other countries and we really don't do a

NOTE Confidence: 0.89945087

00:26:25.588 --> 00:26:29.719 very good job of regulating drug prices.

NOTE Confidence: 0.89945087

00:26:29.720 --> 00:26:31.925 So this is all going to have
NOTE Confidence: 0.89945087

00:26:31.925 --> 00:26:34.180 to change in the years ahead.
NOTE Confidence: 0.89945087

00:26:34.180 --> 00:26:36.658 We're going to need a new approach.
NOTE Confidence: 0.89945087

00:26:36.660 --> 00:26:38.280 What I don't want to see
NOTE Confidence: 0.89945087

00:26:38.280 --> 00:26:40.686 is a decision that we're suddenly
NOTE Confidence: 0.89945087

00:26:40.686 --> 00:26:43.292 going to stop developing new drugs
NOTE Confidence: 0.89945087

00:26:43.292 --> 00:26:45.140 because they're too expensive.
NOTE Confidence: 0.89945087

00:26:45.140 --> 00:26:49.334 Because of course we still do need new drugs,
NOTE Confidence: 0.89945087

00:26:49.340 --> 00:26:50.720 not just in breast cancer,
NOTE Confidence: 0.89945087

00:26:50.720 --> 00:26:52.936 but for many many different types of cancer.
NOTE Confidence: 0.92869826

00:26:54.420 --> 00:26:56.516 Yeah, but you bring up a good point.
NOTE Confidence: 0.92869826

00:26:56.520 --> 00:26:58.368 Which is, you know,
NOTE Confidence: 0.92869826

00:26:58.368 --> 00:27:01.140 these drugs are very critical in
NOTE Confidence: 0.92869826

00:27:01.235 --> 00:27:04.061 terms of spurring on innovation to
NOTE Confidence: 0.92869826

00:27:04.061 --> 00:27:07.639 help us to conquer cancer as it were.
NOTE Confidence: 0.92869826

00:27:07.640 --> 00:27:09.614 But the cost really can be

NOTE Confidence: 0.92869826

00:27:09.614 --> 00:27:11.920 prohibitive here in the United States,

NOTE Confidence: 0.92869826

00:27:11.920 --> 00:27:14.699 which brings up another issue which is

NOTE Confidence: 0.92869826

00:27:14.700 --> 00:27:17.003 there are many places in the world

NOTE Confidence: 0.92869826

00:27:17.003 --> 00:27:19.416 low to middle income countries where

NOTE Confidence: 0.92869826

00:27:19.416 --> 00:27:22.176 people still get cancer and yet

NOTE Confidence: 0.92869826

00:27:22.176 --> 00:27:25.044 the cost of these newer therapies

NOTE Confidence: 0.92869826

00:27:25.050 --> 00:27:26.526 if it's prohibitive here,

NOTE Confidence: 0.92869826

00:27:26.526 --> 00:27:29.153 in the United States one can only

NOTE Confidence: 0.92869826

00:27:29.153 --> 00:27:31.540 imagine how completely out of reach it

NOTE Confidence: 0.92869826

00:27:31.540 --> 00:27:34.827 is for patients in other parts of the world.

NOTE Confidence: 0.92869826

00:27:34.830 --> 00:27:38.106 So what responsibility do you think

NOTE Confidence: 0.92869826

00:27:38.106 --> 00:27:42.008 we have here in the first world

NOTE Confidence: 0.92869826

00:27:42.010 --> 00:27:44.146 to help our fellow human beings

NOTE Confidence: 0.92869826

00:27:44.146 --> 00:27:46.369 in other parts of the globe?

NOTE Confidence: 0.92869826

00:27:46.370 --> 00:27:48.104 And what do you think should

NOTE Confidence: 0.92869826

00:27:48.104 --> 00:27:49.840 be done in terms of that?
NOTE Confidence: 0.887367796

00:27:50.580 --> 00:27:54.916 Yeah, so I think we have a very
NOTE Confidence: 0.887367796

00:27:54.916 --> 00:27:56.000 significant responsibility.
NOTE Confidence: 0.887367796

00:27:56.000 --> 00:27:58.870 I do want to say that I think our very
NOTE Confidence: 0.887367796

00:27:58.947 --> 00:28:01.327 first responsibility is making sure
NOTE Confidence: 0.887367796

00:28:01.327 --> 00:28:04.204 that everyone in the United States
NOTE Confidence: 0.887367796

00:28:04.204 --> 00:28:06.730 gets the care that they deserve.
NOTE Confidence: 0.887367796

00:28:06.730 --> 00:28:08.620 But I think we also have to
NOTE Confidence: 0.887367796

00:28:08.620 --> 00:28:10.558 focus on people around the world.
NOTE Confidence: 0.887367796

00:28:10.560 --> 00:28:15.208 There are efforts that are going on with
NOTE Confidence: 0.887367796

00:28:15.210 --> 00:28:17.088 professional societies in different
NOTE Confidence: 0.887367796

00:28:17.088 --> 00:28:19.584 countries trying to make sure that
NOTE Confidence: 0.887367796

00:28:19.584 --> 00:28:21.943 that drugs are available to people
NOTE Confidence: 0.887367796

00:28:21.943 --> 00:28:24.547 and this is something that is really
NOTE Confidence: 0.887367796

00:28:24.547 --> 00:28:26.509 very much a work in progress,
NOTE Confidence: 0.887367796

00:28:26.510 --> 00:28:28.568 but the better our care gets,

NOTE Confidence: 0.887367796

00:28:28.570 --> 00:28:30.495 the more tragic it is that care

NOTE Confidence: 0.887367796

00:28:30.495 --> 00:28:31.870 isn't delivered to everyone.

NOTE Confidence: 0.929775738235294

00:28:32.760 --> 00:28:34.836 Doctor Eric Winer is a professor

NOTE Confidence: 0.929775738235294

00:28:34.836 --> 00:28:36.634 of medicine and medical oncology

NOTE Confidence: 0.929775738235294

00:28:36.634 --> 00:28:38.716 at the Yale School of Medicine.

NOTE Confidence: 0.929775738235294

00:28:38.720 --> 00:28:40.728 If you have questions,

NOTE Confidence: 0.929775738235294

00:28:40.728 --> 00:28:42.708 the address is canceranswers@yale.edu

NOTE Confidence: 0.929775738235294

00:28:42.708 --> 00:28:45.516 and past editions of the program

NOTE Confidence: 0.929775738235294

00:28:45.516 --> 00:28:47.967 are available in audio and written

NOTE Confidence: 0.929775738235294

00:28:47.967 --> 00:28:48.943 form at yalecancercenter.org.

NOTE Confidence: 0.929775738235294

00:28:48.943 --> 00:28:51.527 We hope you'll join us next week to

NOTE Confidence: 0.929775738235294

00:28:51.527 --> 00:28:53.499 learn more about the fight against

NOTE Confidence: 0.929775738235294

00:28:53.499 --> 00:28:55.451 cancer here on Connecticut Public radio.

NOTE Confidence: 0.929775738235294

00:28:55.451 --> 00:28:57.269 Funding for Yale Cancer Answers is

NOTE Confidence: 0.929775738235294

00:28:57.269 --> 00:29:00.000 provided by Smilow Cancer Hospital.