WEBVTT

00:00:02.000 --> 00:00:03.840 Funding for Yale Cancer Answers

NOTE Confidence: 0.90989405

00:00:03.840 --> 00:00:05.600 is provided by Smilow Cancer

NOTE Confidence: 0.90989405

00:00:05.600 --> 00:00:06.100 Hospital.

NOTE Confidence: 0.93837506

00:00:08.240 --> 00:00:10.080 Welcome to Yale Cancer Answers

NOTE Confidence: 0.93837506

00:00:10.080 --> 00:00:11.539 with doctor Eric Winer.

NOTE Confidence: 0.9924122

00:00:12.095 --> 00:00:14.195 Yale Cancer Answers features conversations

NOTE Confidence: 0.9924122

00:00:14.335 --> 00:00:16.335 with oncologists and specialists who

NOTE Confidence: 0.9924122

00:00:16.335 --> 00:00:17.215 are on the forefront of

NOTE Confidence: 0.9924122

00:00:17.215 --> 00:00:18.675 the battle to fight cancer.

NOTE Confidence: 0.9585876

00:00:19.295 --> 00:00:20.595 This week, it's a conversation

NOTE Confidence: 0.9585876

00:00:20.654 --> 00:00:22.415 about prostate cancer with doctor

NOTE Confidence: 0.9585876

00:00:22.415 --> 00:00:23.235 Michael Leapman.

NOTE Confidence: 0.9866423

00:00:23.614 --> 00:00:25.135 Doctor Leapman is an associate

NOTE Confidence: 0.9866423

00:00:25.135 --> 00:00:26.680 professor of urology at the

NOTE Confidence: 0.9866423

00:00:26.680 --> 00:00:27.980 Yale School of Medicine.

NOTE Confidence: 0.89470696

00:00:28.439 --> 00:00:29.660 Here's doctor Winer.

NOTE Confidence: 0.96638256

00:00:30.919 --> 00:00:31.960 I just want to start off

NOTE Confidence: 0.96638256

00:00:31.960 --> 00:00:33.720 by asking you how

NOTE Confidence: 0.96638256

00:00:33.720 --> 00:00:35.340 you came to be interested

NOTE Confidence: 0.96638256

00:00:35.479 --> 00:00:37.100 in prostate cancer and

00:00:40.215 --> 00:00:41.675 what led you down this path?

NOTE Confidence: 0.9975576

00:00:41.975 --> 00:00:43.095 I've been

NOTE Confidence: 0.9975576

00:00:43.095 --> 00:00:44.854 fascinated with prostate cancer and

NOTE Confidence: 0.9975576

00:00:44.854 --> 00:00:45.975 was drawn to the field

NOTE Confidence: 0.9975576

00:00:45.975 --> 00:00:46.635 of urology,

NOTE Confidence: 0.9789481

00:00:47.335 --> 00:00:48.635 in medical school,

NOTE Confidence: 0.9950002

00:00:49.175 --> 00:00:50.854 rotating through surgery. And when

NOTE Confidence: 0.9950002

00:00:50.854 --> 00:00:52.295 I came upon urology, I

NOTE Confidence: 0.9950002

00:00:52.295 --> 00:00:53.275 was really fascinated

NOTE Confidence: 0.99096656

00:00:53.800 --> 00:00:54.920 by a field that was

NOTE Confidence: 0.99096656

00:00:54.920 --> 00:00:56.760 focused on treating patients with

NOTE Confidence: 0.99096656

00:00:56.760 --> 00:00:57.260 cancer,

NOTE Confidence: 0.9963014

00:00:57.640 --> 00:00:59.080 but also tasked with the role of

NOTE Confidence: 0.9426404

00:01:00.680 --> 00:01:02.280 preserving or, whenever we can,

NOTE Confidence: 0.9426404

00:01:02.280 --> 00:01:03.480 enhancing quality of life.

NOTE Confidence: 0.9426404

00:01:03.480 --> 00:01:05.740 And so that challenge of

NOTE Confidence: 0.99916965

00:01:06.200 --> 00:01:07.500 dealing with cancer

NOTE Confidence: 0.9879018

00:01:08.505 --> 00:01:10.445 and controlling it while also

NOTE Confidence: 0.9879018

00:01:10.585 --> 00:01:12.185 helping to walk that razor's

NOTE Confidence: 0.9879018

00:01:12.185 --> 00:01:13.725 edge of quality of life

NOTE Confidence: 0.9879018

00:01:13.785 --> 00:01:14.825 is what got me interested

NOTE Confidence: 0.9879018

00:01:14.825 --> 00:01:16.505 in prostate cancer. It's also

NOTE Confidence: 0.9879018

00:01:16.745 --> 00:01:18.585 an area where there's really

NOTE Confidence: 0.9879018

00:01:18.585 --> 00:01:19.085 intense

NOTE Confidence: 0.9908572

00:01:19.465 --> 00:01:21.410 decision making.

NOTE Confidence: 0.9908572

00:01:21.450 --> 00:01:22.810 These are tough decisions to

NOTE Confidence: 0.9908572

00:01:22.810 --> 00:01:23.690 make, and so I

NOTE Confidence: 0.9908572

00:01:23.690 --> 00:01:25.550 revel in that opportunity

NOTE Confidence: 0.9908572

00:01:25.610 --> 00:01:27.130 to help connect with patients

NOTE Confidence: 0.9908572

00:01:27.130 --> 00:01:28.490 and help them navigate that

NOTE Confidence: 0.9908572

00:01:28.490 --> 00:01:28.990 experience.

00:01:31.290 --> 00:01:33.050 Before we drill down into

NOTE Confidence: 0.99867886

00:01:33.050 --> 00:01:34.569 prostate cancer, maybe you could

NOTE Confidence: 0.99867886

00:01:34.569 --> 00:01:35.530 just tell us a little

NOTE Confidence: 0.99867886

00:01:35.530 --> 00:01:36.830 bit about the

NOTE Confidence: 0.99940765

00:01:37.185 --> 00:01:38.965 various cancers that comprise

NOTE Confidence: 0.98180234

00:01:39.345 --> 00:01:40.565 urologic cancers.

NOTE Confidence: 0.967294

00:01:41.025 --> 00:01:41.685 A urologist,

NOTE Confidence: 0.98882204

00:01:43.104 --> 00:01:44.625 who is the surgeon for

NOTE Confidence: 0.98882204

00:01:44.625 --> 00:01:46.385 the people who

NOTE Confidence: 0.98882204

00:01:46.385 --> 00:01:47.285 have these cancers,

NOTE Confidence: 0.99109

00:01:48.785 --> 00:01:49.744 takes care of a number

NOTE Confidence: 0.99109

00:01:49.744 --> 00:01:51.150 of different kinds of cancer.

NOTE Confidence: 0.97773975

00:01:52.430 --> 00:01:53.970 Urologists

NOTE Confidence: 0.98944855

00:01:54.270 --> 00:01:56.350 are doctors who take care

NOTE Confidence: 0.98944855

00:01:56.350 --> 00:01:57.250 of the genitourinary

NOTE Confidence: 0.9714959

00:01:57.790 --> 00:01:59.310 tract. So in general, if

NOTE Confidence: 0.9714959

00:01:59.310 --> 00:02:00.910 something makes urine or is close

NOTE Confidence: 0.9714959

00:02:00.910 --> 00:02:02.110 to it, it really falls

NOTE Confidence: 0.9714959

00:02:02.110 --> 00:02:04.190 into our umbrella. So

NOTE Confidence: 0.9714959

00:02:04.190 --> 00:02:05.390 we're the plumbers. That's

NOTE Confidence: 0.9714959

00:02:05.390 --> 00:02:06.270 kinda the way I think

NOTE Confidence: 0.9714959

00:02:06.270 --> 00:02:07.854 about it. And so that

NOTE Confidence: 0.9714959

00:02:07.854 --> 00:02:08.355 encompasses

NOTE Confidence: 0.99036825

00:02:09.055 --> 00:02:11.135 the kidneys, the ureter, which

NOTE Confidence: 0.99036825

00:02:11.135 --> 00:02:12.415 is the tube that drains

NOTE Confidence: 0.99036825

00:02:12.415 --> 00:02:14.035 the kidney, the bladder,

NOTE Confidence: 0.98884916

00:02:14.975 --> 00:02:16.735 the prostate in men, the

NOTE Confidence: 0.98884916

00:02:16.735 --> 00:02:18.435 penis and testicles in men.

NOTE Confidence: 0.9569929

00:02:19.135 --> 00:02:20.669 Urology is a small field,

NOTE Confidence: 0.9569929

00:02:20.669 --> 00:02:21.710 but it's a really

NOTE Confidence: 0.9569929

00:02:21.710 --> 00:02:23.330 diverse field. And so

NOTE Confidence: 0.83296055

00:02:23.630 --> 00:02:24.130 urologists also

NOTE Confidence: 0.99845976

00:02:25.630 --> 00:02:27.230 deal with issues of urinary

NOTE Confidence: 0.99845976

00:02:27.230 --> 00:02:27.730 incontinence,

NOTE Confidence: 0.89503604

00:02:29.630 --> 00:02:31.810 female pelvic medicine, and urogynecology

NOTE Confidence: 0.9566612

00:02:32.270 --> 00:02:33.230 as well. There are also

NOTE Confidence: 0.9566612

00:02:33.230 --> 00:02:35.095 pediatric urologists. So in the

NOTE Confidence: 0.9566612

00:02:35.095 --> 00:02:36.855 cancer world, we focus on

NOTE Confidence: 0.9566612

00:02:36.855 --> 00:02:37.754 kidney cancer,

NOTE Confidence: 0.8501594

00:02:38.375 --> 00:02:39.514 bladder and urothelial

NOTE Confidence: 0.98130643

00:02:39.815 --> 00:02:42.455 cancer, prostate cancer, testis cancer,

NOTE Confidence: 0.98130643

00:02:42.455 --> 00:02:43.355 penile cancer.

NOTE Confidence: 0.98326814

00:02:44.055 --> 00:02:45.675 And, of course, the most

NOTE Confidence: 0.98326814

00:02:45.815 --> 00:02:47.415 common of those, not that

NOTE Confidence: 0.98326814

00:02:47.415 --> 00:02:48.715 the others are

NOTE Confidence: 0.9644602

00:02:49.319 --> 00:02:50.760 so very rare or some

NOTE Confidence: 0.9644602

00:02:50.760 --> 00:02:51.639 of the others are so

NOTE Confidence: 0.9644602

00:02:51.639 --> 00:02:52.840 very rare, but the most

NOTE Confidence: 0.9644602

00:02:52.840 --> 00:02:54.860 common is indeed prostate cancer.

00:02:56.760 --> 00:02:58.120 And how big a

NOTE Confidence: 0.9474243

00:02:58.120 --> 00:02:59.660 problem is prostate cancer?

NOTE Confidence: 0.99698144

00:03:00.120 --> 00:03:01.495 We'll just talk about the

NOTE Confidence: 0.99698144

00:03:01.495 --> 00:03:03.275 United States to begin with.

NOTE Confidence: 0.99825615

00:03:03.974 --> 00:03:05.915 So prostate cancer is consistently

NOTE Confidence: 0.99825615

00:03:06.135 --> 00:03:07.754 the most commonly diagnosed

NOTE Confidence: 0.9963395

00:03:08.055 --> 00:03:10.135 solid cancer in men, with

NOTE Confidence: 0.9963395

00:03:10.135 --> 00:03:11.735 an estimated three hundred thousand

NOTE Confidence: 0.9963395

00:03:11.735 --> 00:03:12.794 cases diagnosed

NOTE Confidence: 0.9977092

00:03:13.415 --> 00:03:14.100 this year.

NOTE Confidence: 0.96426433

00:03:14.900 --> 00:03:16.180 And so it really is

NOTE Confidence: 0.96426433

00:03:16.180 --> 00:03:17.460 very, very common and is

NOTE Confidence: 0.96426433

00:03:17.460 --> 00:03:18.900 probably more common than we

NOTE Confidence: 0.96426433

00:03:18.900 --> 00:03:20.200 even diagnose it.

NOTE Confidence: 0.9487281

00:03:20.660 --> 00:03:21.940 And so it is

NOTE Confidence: 0.9487281

00:03:21.940 --> 00:03:23.540 the number one, but the

NOTE Confidence: 0.9487281

00:03:23.540 --> 00:03:24.980 real question is what type

NOTE Confidence: 0.9487281

00:03:24.980 --> 00:03:26.580 of cancer is it and

NOTE Confidence: 0.9487281

00:03:26.580 --> 00:03:27.540 is it something

NOTE Confidence: 0.9487281

00:03:27.540 --> 00:03:28.340 we need to treat in

NOTE Confidence: 0.9487281

00:03:28.340 --> 00:03:29.540 all people? But it is

NOTE Confidence: 0.9487281

00:03:29.540 --> 00:03:31.155 a major public

NOTE Confidence: 0.9487281

00:03:31.155 --> 00:03:32.595 health challenge in the United

NOTE Confidence: 0.9487281

00:03:32.595 --> 00:03:33.095 States,

NOTE Confidence: 0.99146706

00:03:33.635 --> 00:03:34.755 and doesn't appear to be

NOTE Confidence: 0.99146706

00:03:34.755 --> 00:03:36.755 going anywhere with some modeling

NOTE Confidence: 0.99146706

00:03:36.755 --> 00:03:38.195 studies suggesting that we were

NOTE Confidence: 0.99146706

00:03:38.195 --> 00:03:40.355 gonna probably see more cases

NOTE Confidence: 0.99146706

00:03:40.355 --> 00:03:41.095 with time.

NOTE Confidence: 0.95724016

00:03:41.475 --> 00:03:42.675 And it is

NOTE Confidence: 0.95724016

00:03:42.675 --> 00:03:44.035 a disease that becomes more

NOTE Confidence: 0.95724016

00:03:44.035 --> 00:03:45.315 and more common as a

NOTE Confidence: 0.95724016

00:03:45.315 --> 00:03:45.900 man gets

NOTE Confidence: 0.9881344

00:03:46.459 --> 00:03:47.680 older?

NOTE Confidence: 0.9291604

00:03:48.220 --> 00:03:49.579 Yes, and my understanding is that

NOTE Confidence: 0.9291604

00:03:49.579 --> 00:03:51.280 in autopsy studies

NOTE Confidence: 0.9783619

00:03:51.980 --> 00:03:53.579 of older men that a

NOTE Confidence: 0.9783619

00:03:53.579 --> 00:03:55.099 very, very high proportion

NOTE Confidence: 0.9783619

00:03:55.099 --> 00:03:57.500 of individuals have at least

NOTE Confidence: 0.9783619

00:03:57.500 --> 00:03:59.055 some prostate cancer.

00:04:02.254 --> 00:04:03.215 I mentioned this to a

NOTE Confidence: 0.98025924

00:04:03.215 --> 00:04:04.174 lot of my patients when

NOTE Confidence: 0.98025924

00:04:04.174 --> 00:04:05.954 we have these discussions

NOTE Confidence: 0.96728426

00:04:06.734 --> 00:04:07.855 just how common it is

NOTE Confidence: 0.96728426

00:04:07.855 --> 00:04:08.814 in people if you go

NOTE Confidence: 0.96728426

00:04:08.814 --> 00:04:09.935 looking for it.

NOTE Confidence: 0.96728426

00:04:09.935 --> 00:04:11.055 When they've done studies

NOTE Confidence: 0.96728426

00:04:11.055 --> 00:04:12.174 of people who pass away

NOTE Confidence: 0.96728426

00:04:12.174 --> 00:04:13.215 for another reason and they

NOTE Confidence: 0.96728426

00:04:13.215 --> 00:04:14.194 look in their prostates,

NOTE Confidence: 0.9867333

00:04:15.209 --> 00:04:16.330 up to fifty percent of men

NOTE Confidence: 0.9867333

00:04:16.330 --> 00:04:17.610 in their eighties will have

NOTE Confidence: 0.9867333

00:04:17.610 --> 00:04:19.529 some evidence of cells that

NOTE Confidence: 0.9867333

00:04:19.529 --> 00:04:20.889 look like prostate cancer. And

NOTE Confidence: 0.9867333

00:04:20.889 --> 00:04:21.770 these are folks who passed

NOTE Confidence: 0.9867333

00:04:21.770 --> 00:04:23.529 away from another reason. So

NOTE Confidence: 0.9867333

00:04:23.529 --> 00:04:24.810 it tells us it's extremely

NOTE Confidence: 0.9867333

00:04:24.810 --> 00:04:25.850 common if we go looking

NOTE Confidence: 0.9867333

00:04:25.850 --> 00:04:26.510 for it.

00:04:28.065 --> 00:04:29.685 I guess the other relevant

NOTE Confidence: 0.9494162

00:04:29.745 --> 00:04:31.345 statistic would be how many

NOTE Confidence: 0.9494162

00:04:31.345 --> 00:04:33.025 people die from prostate cancer

NOTE Confidence: 0.9494162

00:04:33.025 --> 00:04:33.764 every year?

NOTE Confidence: 0.9932158

00:04:34.224 --> 00:04:35.664 Right, it's

NOTE Confidence: 0.9932158

00:04:35.664 --> 00:04:37.505 about thirty to thirty five

NOTE Confidence: 0.9932158

00:04:37.505 --> 00:04:38.944 thousand people who die from

NOTE Confidence: 0.9932158

00:04:38.944 --> 00:04:40.464 prostate cancer. So even though

NOTE Confidence: 0.9932158

00:04:40.464 --> 00:04:41.365 it's very common,

NOTE Confidence: 0.9885281

00:04:41.720 --> 00:04:42.920 that's still a very large

NOTE Confidence: 0.9885281

00:04:42.920 --> 00:04:44.460 number. It's the second leading

NOTE Confidence: 0.9885281

00:04:44.520 --> 00:04:45.720 cause of cancer death in

NOTE Confidence: 0.9885281

00:04:45.720 --> 00:04:47.100 men after lung cancer.

NOTE Confidence: 0.8759623

00:04:47.480 --> 00:04:48.300 But, nonetheless,

NOTE Confidence: 0.95062315

00:04:50.520 --> 00:04:52.760 relatively small proportion of men

NOTE Confidence: 0.95062315

00:04:52.760 --> 00:04:54.780 who are diagnosed with prostate

NOTE Confidence: 0.95062315

00:04:54.840 --> 00:04:56.680 cancer ultimately lose their lives

NOTE Confidence: 0.95062315

00:04:56.680 --> 00:04:58.815 to it. So certainly well

NOTE Confidence: 0.95062315

00:04:58.815 --> 00:04:59.634 under half.

00:05:01.615 --> 00:05:02.914 Most men have an excellent

NOTE Confidence: 0.99416375

00:05:03.055 --> 00:05:04.895 outcome if they're diagnosed with

NOTE Confidence: 0.99416375

00:05:04.895 --> 00:05:06.335 prostate cancer and do very

NOTE Confidence: 0.99416375

00:05:06.335 --> 00:05:07.235 well with treatment.

NOTE Confidence: 0.9664572

00:05:08.335 --> 00:05:10.014 Alright, maybe you could

NOTE Confidence: 0.9664572

00:05:10.014 --> 00:05:10.895 tell us a little bit

NOTE Confidence: 0.9664572

00:05:10.895 --> 00:05:12.275 about some of the advances

NOTE Confidence: 0.9664572

00:05:12.490 --> 00:05:13.849 in prostate cancer over the

NOTE Confidence: 0.9664572

00:05:13.849 --> 00:05:14.830 years

NOTE Confidence: 0.96744853

00:05:15.610 --> 00:05:17.449 we'll get to screening. We'll

NOTE Confidence: 0.96744853

00:05:17.449 --> 00:05:18.810 get to some

NOTE Confidence: 0.96744853

00:05:18.810 --> 00:05:20.110 of the decisions around

NOTE Confidence: 0.88032436

00:05:20.569 --> 00:05:21.469 early diagnosis,

NOTE Confidence: 0.8953424

00:05:21.770 --> 00:05:23.849 but maybe first just some

NOTE Confidence: 0.8953424

00:05:23.849 --> 00:05:24.909 of the

NOTE Confidence: 0.98302585

00:05:25.415 --> 00:05:27.275 headlines in terms of advances.

NOTE Confidence: 0.9820653

00:05:28.375 --> 00:05:29.495 A lot has changed.

NOTE Confidence: 0.9820653

00:05:29.495 --> 00:05:30.455 I was on this show

NOTE Confidence: 0.9820653

00:05:30.455 --> 00:05:31.575 maybe five or six years

NOTE Confidence: 0.9820653

00:05:31.575 --> 00:05:33.175 ago, and I remember being

NOTE Confidence: 0.9820653

00:05:33.175 --> 00:05:34.214 asked that question. And when

NOTE Confidence: 0.9820653

00:05:34.214 --> 00:05:35.175 I come back today, a

NOTE Confidence: 0.9820653

00:05:35.175 --> 00:05:36.135 lot has changed in five

NOTE Confidence: 0.9820653

00:05:36.135 --> 00:05:37.015 or six years. And so

NOTE Confidence: 0.9820653

00:05:37.015 --> 00:05:37.595 I think

NOTE Confidence: 0.98023695

00:05:37.900 --> 00:05:38.860 both in terms of how

NOTE Confidence: 0.98023695

00:05:38.860 --> 00:05:40.380 we treat localized disease. So

NOTE Confidence: 0.98023695

00:05:40.380 --> 00:05:41.819 when patients come and they

NOTE Confidence: 0.98023695

00:05:41.819 --> 00:05:42.779 have cancer that we think

NOTE Confidence: 0.98023695

00:05:42.779 --> 00:05:43.900 is only located in their

NOTE Confidence: 0.98023695

00:05:43.900 --> 00:05:44.400 prostate,

NOTE Confidence: 0.97815967

00:05:45.580 --> 00:05:46.940 we are changing our approach.

NOTE Confidence: 0.97815967

00:05:46.940 --> 00:05:48.560 The backbones are still

NOTE Confidence: 0.97815967

00:05:48.779 --> 00:05:50.160 radiation and surgery,

NOTE Confidence: 0.98126954

00:05:50.685 --> 00:05:52.125 but we have a

NOTE Confidence: 0.98126954

00:05:52.125 --> 00:05:54.205 whole flourishing field called focal

NOTE Confidence: 0.98126954

00:05:54.205 --> 00:05:55.345 therapy or ablation,

NOTE Confidence: 0.978673

00:05:55.805 --> 00:05:57.725 where we use energy, different

NOTE Confidence: 0.978673

00:05:57.725 --> 00:05:59.345 forms of energy, to destroy

NOTE Confidence: 0.99470127

00:05:59.725 --> 00:06:00.925 parts of the tissue or

NOTE Confidence: 0.99470127

00:06:00.925 --> 00:06:01.985 the entire prostate,

NOTE Confidence: 0.9982757

00:06:02.925 --> 00:06:04.685 without removing it or radiating it.

NOTE Confidence: 0.9759196

00:06:05.720 --> 00:06:06.920 We have a large program

NOTE Confidence: 0.9759196

00:06:06.920 --> 00:06:08.600 of ablation at Yale where

NOTE Confidence: 0.9759196

00:06:08.600 --> 00:06:10.440 we offer these treatments, various

NOTE Confidence: 0.9759196

00:06:10.440 --> 00:06:11.339 forms of treatment,

NOTE Confidence: 0.9629832

00:06:12.440 --> 00:06:14.680 that aim to improve quality

NOTE Confidence: 0.9629832

00:06:14.680 --> 00:06:15.960 of life or preserve quality

NOTE Confidence: 0.9629832

00:06:15.960 --> 00:06:17.500 of life while also controlling

NOTE Confidence: 0.9629832

00:06:17.560 --> 00:06:18.220 the cancer.

NOTE Confidence: 0.9688997

00:06:19.365 --> 00:06:21.205 We've also made improvements in

NOTE Confidence: 0.9688997

00:06:21.205 --> 00:06:21.705 how

NOTE Confidence: 0.9553737

00:06:22.085 --> 00:06:23.925 surgical prostatectomy is done with

NOTE Confidence: 0.9553737

00:06:23.925 --> 00:06:25.845 robotics. The robotics platforms are

NOTE Confidence: 0.9553737

00:06:25.845 --> 00:06:28.185 continuously getting better,

NOTE Confidence: 0.9942673

00:06:28.884 --> 00:06:30.425 with single port prostatectomy and

00:06:32.550 --> 00:06:33.910 ways of approaching and removing

NOTE Confidence: 0.9942189

00:06:33.910 --> 00:06:35.430 the prostate that are less

NOTE Confidence: 0.9942189

00:06:35.430 --> 00:06:35.930 invasive.

NOTE Confidence: 0.98880565

00:06:36.470 --> 00:06:38.410 So single port prostatectomy

NOTE Confidence: 0.9922322

00:06:38.790 --> 00:06:41.050 means you're essentially inserting

NOTE Confidence: 0.99491304

00:06:42.390 --> 00:06:43.990 some sort of device into

NOTE Confidence: 0.99491304

00:06:43.990 --> 00:06:44.730 one area?

NOTE Confidence: 0.9892356

00:06:45.095 --> 00:06:46.295 Yeah. Well, it's a robotic

NOTE Confidence: 0.9892356

00:06:46.295 --> 00:06:47.755 device. So robotic prostatectomy

NOTE Confidence: 0.99595773

00:06:48.055 --> 00:06:48.715 has been,

NOTE Confidence: 0.93069094

00:06:49.335 --> 00:06:51.015 you know, a big

NOTE Confidence: 0.93069094

00:06:51.015 --> 00:06:51.975 change in the field

NOTE Confidence: 0.93069094

00:06:51.975 --> 00:06:52.935 over the past ten or

NOTE Confidence: 0.93069094

00:06:52.935 --> 00:06:54.395 fifteen years. But the typical

NOTE Confidence: 0.93069094

00:06:54.455 --> 00:06:56.775 robotic platform involved putting five

NOTE Confidence: 0.93069094

00:06:56.775 --> 00:06:58.315 cameras in a laparoscopic

NOTE Confidence: 0.8678456

00:06:58.615 --> 00:07:00.820 configurations. Five little keyholes in

NOTE Confidence: 0.8678456

00:07:00.820 --> 00:07:01.480 the belly.

NOTE Confidence: 0.96052504

00:07:02.260 --> 00:07:03.540 There is a surgical device

NOTE Confidence: 0.96052504

00:07:03.540 --> 00:07:05.300 that actually uses one

NOTE Confidence: 0.96052504

00:07:05.300 --> 00:07:06.660 incision and then all the

NOTE Confidence: 0.96052504

00:07:06.660 --> 00:07:08.520 instruments fan out from one

NOTE Confidence: 0.96052504

00:07:08.580 --> 00:07:10.020 incision.

NOTE Confidence: 0.96052504

00:07:10.020 --> 00:07:10.900 And how big is that

NOTE Confidence: 0.96052504

00:07:10.900 --> 00:07:11.400 incision?

NOTE Confidence: 0.9686394

00:07:11.700 --> 00:07:12.980 The incision is about five

NOTE Confidence: 0.9686394

00:07:12.980 --> 00:07:14.180 centimeters. So it's a little

NOTE Confidence: 0.9686394

00:07:14.180 --> 00:07:15.160 bigger than

NOTE Confidence: 0.9479268

00:07:15.574 --> 00:07:16.535 one of

NOTE Confidence: 0.9479268

00:07:16.535 --> 00:07:17.735 the small incisions but it

NOTE Confidence: 0.9479268

00:07:17.735 --> 00:07:19.514 isn't in one area.

NOTE Confidence: 0.93710756

00:07:20.294 --> 00:07:21.574 So it allows us

NOTE Confidence: 0.93710756

00:07:21.574 --> 00:07:22.775 in general to get into

NOTE Confidence: 0.93710756

00:07:22.775 --> 00:07:23.675 smaller spaces,

NOTE Confidence: 0.9563503

00:07:24.615 --> 00:07:25.655 and so it's used in

NOTE Confidence: 0.9563503

00:07:25.655 --> 00:07:26.775 the prostate but it's used

NOTE Confidence: 0.9563503

00:07:26.775 --> 00:07:28.080 also in other applications as well

NOTE Confidence: 0.9563503

00:07:28.080 --> 00:07:30.020 And then you somehow

NOTE Confidence: 0.9563503

00:07:30.320 --> 00:07:30.820 control

NOTE Confidence: 0.99551964

00:07:31.280 --> 00:07:33.140 what's going on through

NOTE Confidence: 0.9279053

00:07:34.720 --> 00:07:36.400 the robot?

NOTE Confidence: 0.9279053

00:07:36.400 --> 00:07:37.520 Exactly, the robot,

NOTE Confidence: 0.9279053

00:07:37.520 --> 00:07:38.800 that's in general in robotic surgery.

NOTE Confidence: 0.9279053

00:07:38.800 --> 00:07:40.335 Now

NOTE Confidence: 0.9279053

00:07:40.335 --> 00:07:41.294 we are hearing a lot

NOTE Confidence: 0.9279053

00:07:41.294 --> 00:07:42.815 about robots and AI and,

NOTE Confidence: 0.9279053

00:07:42.974 --> 00:07:45.134 you know, autonomous devices, autonomous

NOTE Confidence: 0.9279053

00:07:45.134 --> 00:07:45.634 cars.

NOTE Confidence: 0.9792592

00:07:46.095 --> 00:07:47.215 That is not happening yet

NOTE Confidence: 0.9792592

00:07:47.215 --> 00:07:47.935 in surgery. I mean, it

NOTE Confidence: 0.9792592

00:07:47.935 --> 00:07:48.815 may be coming down the

NOTE Confidence: 0.9792592

00:07:48.815 --> 00:07:49.694 pipe, and I think it's

NOTE Confidence: 0.9792592

00:07:49.694 --> 00:07:50.815 very likely that there will

NOTE Confidence: 0.9792592

00:07:50.815 --> 00:07:53.294 be truly autonomous surgery

NOTE Confidence: 0.9792592

00:07:53.294 --> 00:07:54.035 or robot

NOTE Confidence: 0.96035326

00:07:54.800 --> 00:07:56.639 assisted surgery. But right now,

NOTE Confidence: 0.96035326

00:07:56.639 --> 00:07:57.759 there's nothing like that. So

NOTE Confidence: 0.96035326

00:07:57.759 --> 00:07:59.120 when someone has a robotic

NOTE Confidence: 0.96035326

00:07:59.120 --> 00:08:01.199 surgery, we are still driving

NOTE Confidence: 0.96035326

00:08:01.199 --> 00:08:02.800 the instruments but it allows

NOTE Confidence: 0.96035326

00:08:02.800 --> 00:08:03.599 us to get into a

NOTE Confidence: 0.96035326

00:08:03.599 --> 00:08:04.419 small space,

NOTE Confidence: 0.99821496

00:08:04.800 --> 00:08:06.080 without making a big opening.

NOTE Confidence: 0.99821496

00:08:06.080 --> 00:08:06.580 Fundamentally,

NOTE Confidence: 0.9914564

00:08:06.880 --> 00:08:07.759 that's what it's doing. It's

NOTE Confidence: 0.9914564

00:08:07.759 --> 00:08:08.720 allowing us to get into

NOTE Confidence: 0.9914564

00:08:08.720 --> 00:08:10.075 a small space and also

NOTE Confidence: 0.9914564

00:08:10.075 --> 00:08:11.195 moving in ways that the

NOTE Confidence: 0.9914564

00:08:11.195 --> 00:08:12.895 human hands can't really rotate

NOTE Confidence: 0.9914564

00:08:12.955 --> 00:08:14.335 three hundred sixty degrees,

NOTE Confidence: 0.9947313

00:08:15.275 --> 00:08:16.415 and get in tight spaces.

NOTE Confidence: 0.9550634

00:08:16.955 --> 00:08:18.395 So it gives you

NOTE Confidence: 0.9550634

00:08:18.395 --> 00:08:19.215 more dexterity?

NOTE Confidence: 0.9556037

00:08:19.595 --> 00:08:21.435 That's right. But

00:08:22.875 --> 00:08:23.915 if I were coming to

NOTE Confidence: 0.9990514

00:08:23.915 --> 00:08:25.510 you with prostate cancer, I

NOTE Confidence: 0.9990514

00:08:25.510 --> 00:08:27.050 don't have to worry that

NOTE Confidence: 0.95293367

00:08:27.510 --> 00:08:29.210 the OR is gonna be

NOTE Confidence: 0.95293367

00:08:29.270 --> 00:08:30.630 empty and there's just gonna

NOTE Confidence: 0.95293367

00:08:30.630 --> 00:08:32.870 be a robotic device and

NOTE Confidence: 0.95293367

00:08:32.870 --> 00:08:34.390 some computer telling it what

NOTE Confidence: 0.95293367

00:08:34.390 --> 00:08:36.230 to do? NOTE Confidence: 0.95293367

00:08:36.230 --> 00:08:37.670 No, we're still doing this, but

NOTE Confidence: 0.95293367

00:08:39.030 --> 00:08:40.654 that may change.

NOTE Confidence: 0.95293367

00:08:40.654 --> 00:08:41.455 I mean, at some point,

NOTE Confidence: 0.95293367

00:08:41.455 --> 00:08:42.255 you know, if you look there are

00:08:44.775 --> 00:08:46.095 AI platforms that

NOTE Confidence: 0.975288

00:08:46.095 --> 00:08:47.295 can drive a car

NOTE Confidence: 0.975288

00:08:47.295 --> 00:08:48.255 from your house to the

NOTE Confidence: 0.975288

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

NOTE Confidence: 0.98705786

00:08:49.135 --> 00:08:50.415 There's a lot of complex

NOTE Confidence: 0.98705786

00:08:50.415 --> 00:08:51.855 information that those systems are

NOTE Confidence: 0.98705786

00:08:51.855 --> 00:08:53.295 navigating, but there's nothing like

NOTE Confidence: 0.98705786

00:08:53.295 --> 00:08:54.495 that going on right now.

NOTE Confidence: 0.98705786

00:08:54.495 --> 00:08:56.059 It's all done by a

NOTE Confidence: 0.9349524

00:08:56.500 --> 00:08:57.620 very large human

NOTE Confidence: 0.9349524

00:08:57.620 --> 00:08:59.080 team still. Y\

NOTE Confidence: 0.9569287

00:08:59.780 --> 00:09:00.179 And,

NOTE Confidence: 0.96508557

00:09:00.900 --> 00:09:02.260 oftentimes, men are making a

NOTE Confidence: 0.96508557

00:09:02.260 --> 00:09:04.040 choice between surgery and radiation.

NOTE Confidence: 0.96508557

00:09:04.260 --> 00:09:05.460 What does that choice

NOTE Confidence: 0.96508557

00:09:05.460 --> 00:09:06.900 look like?

NOTE Confidence: 0.96508557

00:09:06.900 --> 00:09:08.280 We're fortunate to have

NOTE Confidence: 0.9716043

00:09:08.785 --> 00:09:10.945 multiple very effective treatments for

NOTE Confidence: 0.9716043

00:09:10.945 --> 00:09:12.705 prostate cancer. And so surgical

NOTE Confidence: 0.9716043

00:09:12.705 --> 00:09:14.145 removal of the prostate

NOTE Confidence: 0.9716043

00:09:14.145 --> 00:09:15.425 is one, but one that

NOTE Confidence: 0.9716043

00:09:15.425 --> 00:09:17.345 is also very effective is

NOTE Confidence: 0.9716043

00:09:17.345 --> 00:09:18.645 radiation to the prostate.

00:09:20.705 --> 00:09:22.304 And radiation can be given by

NOTE Confidence: 0.97641474

00:09:22.304 --> 00:09:23.745 itself or sometimes with a

NOTE Confidence: 0.97641474

00:09:23.745 --> 00:09:25.339 course of hormone medication

NOTE Confidence: 0.9974426

00:09:25.720 --> 00:09:27.579 to decrease testosterone levels.

NOTE Confidence: 0.988452

00:09:29.079 --> 00:09:30.679 And so the decision about

NOTE Confidence: 0.988452

00:09:30.679 --> 00:09:31.880 where to go is often

NOTE Confidence: 0.988452

00:09:31.880 --> 00:09:33.000 a complicated one.

NOTE Confidence: 0.98639226

00:09:33.720 --> 00:09:35.420 The surgery is more invasive

NOTE Confidence: 0.98639226

00:09:35.480 --> 00:09:36.600 because it is a surgical

NOTE Confidence: 0.98639226

00:09:36.600 --> 00:09:38.679 intervention. The radiation offers

NOTE Confidence: 0.98639226

00:09:38.679 --> 00:09:40.125 the advantage that no one

NOTE Confidence: 0.98639226

00:09:40.205 --> 00:09:41.565 touches you. There's no hospitalization.

NOTE Confidence: 0.96830773

00:09:43.725 --> 00:09:45.085 And so the pros

NOTE Confidence: 0.96830773

00:09:45.085 --> 00:09:46.625 and cons really relate to

NOTE Confidence: 0.96830773

00:09:46.765 --> 00:09:48.205 undergoing a surgery if people

NOTE Confidence: 0.96830773

00:09:48.205 --> 00:09:48.945 want to.

00:09:50.525 --> 00:09:52.285 But both deliver a

NOTE Confidence: 0.9688947

00:09:52.285 --> 00:09:53.405 very good outcome and both

NOTE Confidence: 0.9688947

00:09:53.405 --> 00:09:54.285 have a good chance

NOTE Confidence: 0.9688947

00:09:54.285 --> 00:09:56.480 of controlling localized prostate cancer.

NOTE Confidence: 0.9688947

00:09:56.699 --> 00:09:58.300 And is one at all

NOTE Confidence: 0.9688947

00:09:58.300 --> 00:09:59.820 better than the other?

NOTE Confidence: 0.9688947

00:09:59.820 --> 00:10:01.179 We don't think so. There's never

NOTE Confidence: 0.9688947

00:10:01.179 --> 00:10:02.059 been a head to head

NOTE Confidence: 0.9688947

00:10:02.059 --> 00:10:04.160 study that has compared radiation

NOTE Confidence: 0.9688947

00:10:04.220 --> 00:10:04.959 to surgery

NOTE Confidence: 0.983613

00:10:05.339 --> 00:10:06.300 for the type of cancers

NOTE Confidence: 0.983613

00:10:06.300 --> 00:10:07.440 that we treat nowadays.

NOTE Confidence: 0.97945505

00:10:08.620 --> 00:10:10.184 But from the

NOTE Confidence: 0.97945505

00:10:10.184 --> 00:10:11.945 retrospective studies, people who've been

NOTE Confidence: 0.97945505

00:10:11.945 --> 00:10:13.304 treated in the past, they

NOTE Confidence: 0.97945505

00:10:13.304 --> 00:10:14.304 seem to come out more

NOTE Confidence: 0.97945505

00:10:14.304 --> 00:10:15.304 or less the same. There

NOTE Confidence: 0.97945505

00:10:15.304 --> 00:10:16.745 are some relative advantages to

NOTE Confidence: 0.97945505

00:10:16.745 --> 00:10:18.345 one and disadvantages to others.

NOTE Confidence: 0.97945505

00:10:18.345 --> 00:10:19.785 When we do surgery, we

NOTE Confidence: 0.97945505

00:10:19.785 --> 00:10:21.225 remove the entire prostate and

NOTE Confidence: 0.97945505

00:10:21.225 --> 00:10:22.105 we can get a sense

NOTE Confidence: 0.97945505

00:10:22.105 --> 00:10:23.145 of what is truly in

NOTE Confidence: 0.97945505

00:10:23.145 --> 00:10:24.585 there rather than just getting

NOTE Confidence: 0.97945505

00:10:24.585 --> 00:10:26.020 a biopsy of it. And

NOTE Confidence: 0.97945505

00:10:26.020 --> 00:10:27.380 we can selectively add more

NOTE Confidence: 0.97945505

00:10:27.380 --> 00:10:28.500 treatment in the future if

NOTE Confidence: 0.97945505

00:10:28.500 --> 00:10:29.000 necessary.

NOTE Confidence: 0.9571408

00:10:30.339 --> 00:10:31.940 Radiation has the advantage of

NOTE Confidence: 0.9571408

00:10:31.940 --> 00:10:33.140 having less of an impact

NOTE Confidence: 0.9571408

00:10:33.140 --> 00:10:35.700 on urinary continents, which may

NOTE Confidence: 0.9571408

00:10:35.700 --> 00:10:36.740 be a higher risk with

NOTE Confidence: 0.9571408

00:10:36.740 --> 00:10:37.240 surgery.

NOTE Confidence: 0.97413313

00:10:38.015 --> 00:10:39.455 But there are also potential

NOTE Confidence: 0.97413313

00:10:39.455 --> 00:10:40.495 drawbacks with each of

NOTE Confidence: 0.97413313

00:10:40.495 --> 00:10:42.255 them. So that's why I

NOTE Confidence: 0.97413313

00:10:42.255 --> 00:10:43.535 think the main

NOTE Confidence: 0.97413313

00:10:43.535 --> 00:10:45.135 thing is having that relationship

NOTE Confidence: 0.97413313

00:10:45.135 --> 00:10:46.495 with your doctor, being in

NOTE Confidence: 0.97413313

00:10:46.495 --> 00:10:47.615 a setting where you can

NOTE Confidence: 0.97413313

00:10:47.615 --> 00:10:48.654 help make a decision that

NOTE Confidence: 0.97413313

00:10:48.654 --> 00:10:50.675 is tailored to your individual

NOTE Confidence: 0.97413313

00:10:50.735 --> 00:10:51.235 interest.

NOTE Confidence: 0.9858472

00:10:51.615 --> 00:10:52.730 A lot of folks have

NOTE Confidence: 0.9858472

00:10:52.730 --> 00:10:53.610 a strong sense of where

NOTE Confidence: 0.9858472

00:10:53.610 --> 00:10:54.490 they would like to go.

NOTE Confidence: 0.9858472

00:10:54.490 --> 00:10:55.690 And so I think that's

NOTE Confidence: 0.9858472

00:10:55.690 --> 00:10:57.050 where we see ourselves as

NOTE Confidence: 0.9858472

00:10:57.050 --> 00:10:59.149 as really facilitating that decision.

NOTE Confidence: 0.9829038

00:10:59.850 --> 00:11:01.769 And before we take a

NOTE Confidence: 0.9829038

00:11:01.769 --> 00:11:03.129 break, maybe we just spend

NOTE Confidence: 0.9829038

00:11:03.129 --> 00:11:04.250 a couple of minutes talking

NOTE Confidence: 0.9829038

00:11:04.250 --> 00:11:05.870 about some of the other

NOTE Confidence: 0.9988279

00:11:06.785 --> 00:11:07.845 unintended consequences

NOTE Confidence: 0.99055874

00:11:08.225 --> 00:11:09.745 of either prostate surgery or

NOTE Confidence: 0.99055874

00:11:09.745 --> 00:11:10.644 prostate radiation,

NOTE Confidence: 0.99456465

00:11:11.184 --> 00:11:12.304 the kinds of side effects

NOTE Confidence: 0.99456465

00:11:12.304 --> 00:11:13.425 that I think many men

NOTE Confidence: 0.99456465

00:11:13.425 --> 00:11:15.264 are very concerned about.

NOTE Confidence: 0.99456465

00:11:15.264 --> 00:11:17.345 So there's incontinence. There's also

NOTE Confidence: 0.99456465

00:11:17.345 --> 00:11:18.404 sexual dysfunction.

NOTE Confidence: 0.9747752

00:11:18.880 --> 00:11:19.839 Those are the

NOTE Confidence: 0.9747752

00:11:19.839 --> 00:11:20.720 big two. Those are the

NOTE Confidence: 0.9747752

00:11:20.720 --> 00:11:22.160 big two because the prostate

NOTE Confidence: 0.9747752

00:11:22.160 --> 00:11:24.100 sits attached to the bladder.

NOTE Confidence: 0.9747752

00:11:24.240 --> 00:11:25.920 When a person

NOTE Confidence: 0.9747752

00:11:25.920 --> 00:11:27.519 urinates, their urine passes from

NOTE Confidence: 0.9747752

00:11:27.519 --> 00:11:29.220 their bladder through their prostate.

NOTE Confidence: 0.9747752

00:11:29.519 --> 00:11:30.720 So anything we do to

NOTE Confidence: 0.9747752

00:11:30.720 --> 00:11:32.495 that sensitive area runs

NOTE Confidence: 0.9747752

00:11:32.495 --> 00:11:34.095 the risk of affecting urinary

NOTE Confidence: 0.9747752

00:11:34.095 --> 00:11:36.015 control and sexual function. The

NOTE Confidence: 0.9747752

00:11:36.015 --> 00:11:37.154 nerves for erection of

NOTE Confidence: 0.9159612

00:11:37.455 --> 00:11:39.235 course are right underneath the prostate.

NOTE Confidence: 0.9159612

00:11:39.375 --> 00:11:40.255 So it's

NOTE Confidence: 0.9159612

00:11:40.255 --> 00:11:41.475 in a sensitive spot.

NOTE Confidence: 0.9581212

00:11:42.415 --> 00:11:43.774 Those are risks even with

NOTE Confidence: 0.9581212

00:11:43.774 --> 00:11:45.774 expert surgery or expert radiation.

NOTE Confidence: 0.9581212

00:11:45.774 --> 00:11:46.815 There is a risk that

NOTE Confidence: 0.9581212

00:11:46.815 --> 00:11:48.829 urinary health could be worse.

NOTE Confidence: 0.95242363

00:11:49.209 --> 00:11:51.209 And after surgery, it can

NOTE Confidence: 0.95242363

00:11:51.209 --> 00:11:53.050 lead to urinary leakage. So

NOTE Confidence: 0.95242363

00:11:53.050 --> 00:11:54.569 laughing, when you laugh, cough,

NOTE Confidence: 0.95242363

00:11:54.569 --> 00:11:56.170 or sneeze, people could leak,

NOTE Confidence: 0.95242363

00:11:56.170 --> 00:11:57.529 dribble urine for a period

NOTE Confidence: 0.95242363

00:11:57.529 --> 00:11:58.889 of time, or in some

NOTE Confidence: 0.95242363

00:11:58.889 --> 00:11:59.790 cases permanently.

NOTE Confidence: 0.9977967

00:12:00.809 --> 00:12:02.089 And erections can be more

NOTE Confidence: 0.9977967

00:12:02.089 --> 00:12:02.589 difficult.

NOTE Confidence: 0.97573143

00:12:03.625 --> 00:12:04.985 And is that something that

NOTE Confidence: 0.97573143

00:12:04.985 --> 00:12:06.345 gets better over time too?

NOTE Confidence: 0.97573143

00:12:06.345 --> 00:12:08.524 After surgery,

NOTE Confidence: 0.97573143

00:12:08.745 --> 00:12:10.665 most people improve, but in

NOTE Confidence: 0.97573143

00:12:10.665 --> 00:12:11.865 some cases, it can be

NOTE Confidence: 0.97573143

00:12:11.865 --> 00:12:14.264 permanent or can require assistance

NOTE Confidence: 0.97573143

00:12:14.264 --> 00:12:15.304 where someone didn't need it

NOTE Confidence: 0.97573143

00:12:15.304 --> 00:12:17.144 before. So medications like Viagra

NOTE Confidence: 0.97573143

00:12:17.144 --> 00:12:19.220 or Cialis are often needed

NOTE Confidence: 0.97573143

00:12:19.220 --> 00:12:20.100 for some people at least

NOTE Confidence: 0.97573143

00:12:20.100 --> 00:12:21.160 for a period of time.

NOTE Confidence: 0.97883826

00:12:21.780 --> 00:12:23.460 And presumably, these are all

NOTE Confidence: 0.97883826

00:12:23.460 --> 00:12:24.740 the conversations you have with

NOTE Confidence: 0.97883826

00:12:24.740 --> 00:12:26.679 patients when you're counseling

NOTE Confidence: 0.9034968

00:12:27.220 --> 00:12:28.679 about these various options.

NOTE Confidence: 0.9985285

00:12:29.540 --> 00:12:30.820 Right. Well, it's really that

NOTE Confidence: 0.9985285

00:12:30.820 --> 00:12:32.840 balance between cancer control

NOTE Confidence: 0.96151245

00:12:33.315 --> 00:12:34.995 and functional status. And

NOTE Confidence: 0.96151245

00:12:34.995 --> 00:12:36.455 in many cases, we do

NOTE Confidence: 0.96725786

00:12:36.915 --> 00:12:38.595 bring patients safely back to

NOTE Confidence: 0.96725786

00:12:38.595 --> 00:12:39.795 where they were before. That's

NOTE Confidence: 0.96725786

00:12:39.795 --> 00:12:41.554 really our objective in any

NOTE Confidence: 0.96725786

00:12:41.554 --> 00:12:43.095 of these is to

NOTE Confidence: 0.9993426

00:12:43.635 --> 00:12:46.054 think about balancing cancer control

NOTE Confidence: 0.9993426

00:12:46.275 --> 00:12:47.015 with preserving

NOTE Confidence: 0.9999063

00:12:47.410 --> 00:12:48.230 quality of

NOTE Confidence: 0.98907876

00:12:48.610 --> 00:12:50.130 life.

NOTE Confidence: 0.98907876

00:12:50.130 --> 00:12:51.330 We're gonna take a break for

NOTE Confidence: 0.98907876

00:12:51.330 --> 00:12:52.530 just a minute. When we

NOTE Confidence: 0.98907876

00:12:52.530 --> 00:12:53.190 come back,

NOTE Confidence: 0.98304546

00:12:53.570 --> 00:12:55.750 we're gonna focus on really

NOTE Confidence: 0.95547014

00:12:56.290 --> 00:12:57.970 three topics. Talk a little

NOTE Confidence: 0.95547014

00:12:57.970 --> 00:12:59.490 bit about screening. We'll talk

NOTE Confidence: 0.95547014

00:12:59.490 --> 00:12:59.990 about

NOTE Confidence: 0.9653786

00:13:01.215 --> 00:13:03.215 the approach that increasingly is

NOTE Confidence: 0.9653786

00:13:03.215 --> 00:13:05.054 being taken where someone is

NOTE Confidence: 0.9653786

00:13:05.054 --> 00:13:07.135 diagnosed with prostate cancer, and

NOTE Confidence: 0.9653786

00:13:07.135 --> 00:13:08.815 they may not initially undergo

NOTE Confidence: 0.9653786

00:13:08.815 --> 00:13:10.275 treatment, they may be observed.

NOTE Confidence: 0.9874744

00:13:10.655 --> 00:13:12.095 Finally, I wanna touch on

NOTE Confidence: 0.9874744

00:13:12.095 --> 00:13:13.615 the whole subject of prostate

NOTE Confidence: 0.9874744

00:13:13.615 --> 00:13:15.855 cancer in younger men, which

NOTE Confidence: 0.9874744

00:13:15.855 --> 00:13:17.029 is by no means the

NOTE Confidence: 0.9874744

00:13:17.029 --> 00:13:17.850 most common

NOTE Confidence: 0.9806134

00:13:19.029 --> 00:13:20.630 age when you see prostate

NOTE Confidence: 0.9806134

00:13:20.630 --> 00:13:22.809 cancer, but, it still happens.

NOTE Confidence: 0.9806134

00:13:23.110 --> 00:13:24.870 So when we come back,

NOTE Confidence: 0.9806134

00:13:24.870 --> 00:13:27.050 I'll continue this conversation with

NOTE Confidence: 0.90001154

00:13:27.429 --> 00:13:29.050 our guest, doctor Michael Leapman.

NOTE Confidence: 0.98591274

00:13:29.475 --> 00:13:31.154 Funding for Yale Cancer Answers

NOTE Confidence: 0.98591274

00:13:31.154 --> 00:13:33.095 comes from Smilow Cancer Hospital,

NOTE Confidence: 0.98591274

00:13:33.394 --> 00:13:35.154 where their liver cancer program

NOTE Confidence: 0.98591274

00:13:35.154 --> 00:13:37.554 provides continued care following treatment

NOTE Confidence: 0.98591274

00:13:37.554 --> 00:13:39.475 to manage underlying liver disease

NOTE Confidence: 0.98591274

00:13:39.475 --> 00:13:41.415 and monitor for possible recurrence

NOTE Confidence: 0.98591274

00:13:41.475 --> 00:13:42.214 of cancer.

NOTE Confidence: 0.9681377

00:13:42.860 --> 00:13:43.920 More at smilowcancerhospital

NOTE Confidence: 0.9942237

00:13:44.940 --> 00:13:45.600 dot org.

NOTE Confidence: 0.9734884

00:13:47.820 --> 00:13:49.019 Breast cancer is one of

NOTE Confidence: 0.9734884

00:13:49.019 --> 00:13:50.459 the most common cancers in

NOTE Confidence: 0.9734884

00:13:50.459 --> 00:13:52.880 women. In Connecticut alone, approximately

NOTE Confidence: 0.9734884

00:13:53.019 --> 00:13:54.300 three thousand five hundred women

NOTE Confidence: 0.9734884

00:13:54.300 --> 00:13:55.740 will be diagnosed with breast

NOTE Confidence: 0.9734884

00:13:55.740 --> 00:13:57.615 cancer this year, but there

NOTE Confidence: 0.9734884

00:13:57.615 --> 00:13:59.215 is hope thanks to earlier

NOTE Confidence: 0.9734884

00:13:59.215 --> 00:14:01.375 detection, non invasive treatments, and

NOTE Confidence: 0.9734884

00:14:01.375 --> 00:14:03.135 the development of novel therapies

NOTE Confidence: 0.9734884

00:14:03.135 --> 00:14:04.355 to fight breast cancer.

NOTE Confidence: 0.9939809

00:14:04.895 --> 00:14:06.495 Women should schedule a baseline

NOTE Confidence: 0.9939809

00:14:06.495 --> 00:14:08.415 mammogram beginning at age forty

NOTE Confidence: 0.9939809

00:14:08.415 --> 00:14:09.615 or earlier if they have

NOTE Confidence: 0.9939809

00:14:09.615 --> 00:14:11.455 risk factors associated with the

NOTE Confidence: 0.9939809

00:14:11.455 --> 00:14:11.955 disease.

NOTE Confidence: 0.98855275

00:14:12.570 --> 00:14:14.650 With screening, early detection, and

NOTE Confidence: 0.98855275

00:14:14.650 --> 00:14:16.570 a healthy lifestyle, breast cancer

NOTE Confidence: 0.98855275

00:14:16.570 --> 00:14:17.390 can be defeated.

NOTE Confidence: 0.93470526

00:14:18.010 --> 00:14:19.770 Clinical trials are currently underway

NOTE Confidence: 0.93470526

00:14:19.770 --> 00:14:22.330 at federally designated comprehensive cancer

NOTE Confidence: 0.93470526

00:14:22.330 --> 00:14:24.250 centers, such as Yale Cancer

NOTE Confidence: 0.93470526

00:14:24.250 --> 00:14:25.850 Center and Smilow Cancer

NOTE Confidence: 0.93470526

00:14:25.850 --> 00:14:26.350 Hospital,

NOTE Confidence: 0.99693835

00:14:26.785 --> 00:14:28.465 to make innovative new treatments

NOTE Confidence: 0.99693835

00:14:28.465 --> 00:14:29.525 available to patients.

NOTE Confidence: 0.9490883

00:14:30.065 --> 00:14:31.365 Digital breast tomosynthesis

NOTE Confidence: 0.98964846

00:14:31.905 --> 00:14:33.665 or three d mammography is

NOTE Confidence: 0.98964846

00:14:33.665 --> 00:14:36.085 also transforming breast cancer screening

NOTE Confidence: 0.98964846

00:14:36.385 --> 00:14:39.285 by significantly reducing unnecessary procedures

NOTE Confidence: 0.98964846

00:14:39.345 --> 00:14:40.885 while picking up more cancers.

NOTE Confidence: 0.9889923

00:14:41.670 --> 00:14:43.270 More information is available at

NOTE Confidence: 0.9889923

00:14:43.270 --> 00:14:45.050 yale cancer center dot org.

NOTE Confidence: 0.9889923

00:14:45.190 --> 00:14:46.870 You're listening to Connecticut Public

NOTE Confidence: 0.9889923

00:14:46.870 --> 00:14:47.370 Radio.

NOTE Confidence: 0.9496601

00:14:48.310 --> 00:14:49.910 Good evening again. This is

NOTE Confidence: 0.9496601

00:14:49.910 --> 00:14:51.510 Eric Winer with Yale Cancer

NOTE Confidence: 0.9496601

00:14:51.510 --> 00:14:53.430 Answers, and I'm speaking to

NOTE Confidence: 0.9496601

00:14:53.430 --> 00:14:55.450 our guest, doctor Michael Leapman,

00:14:57.575 --> 00:14:59.515 associate professor of urology

NOTE Confidence: 0.9905448

00:15:00.055 --> 00:15:00.555 at

NOTE Confidence: 0.93795973

00:15:00.935 --> 00:15:01.835 Yale University.

NOTE Confidence: 0.9253149

00:15:03.335 --> 00:15:05.175 So I wanna move on

NOTE Confidence: 0.9253149

00:15:05.175 --> 00:15:06.235 and talk

NOTE Confidence: 0.9529392

00:15:07.095 --> 00:15:08.375 a little bit about prostate

NOTE Confidence: 0.9529392

00:15:08.375 --> 00:15:08.875 screening.

NOTE Confidence: 0.89289594

00:15:09.990 --> 00:15:10.730 Of course,

NOTE Confidence: 0.9835191

00:15:11.190 --> 00:15:12.090 cancer screening,

NOTE Confidence: 0.98320764

00:15:12.950 --> 00:15:15.050 generally speaking, is very important.

NOTE Confidence: 0.98320764

00:15:15.190 --> 00:15:17.370 We ideally want to diagnose

NOTE Confidence: 0.98320764

00:15:17.430 --> 00:15:17.930 patients

NOTE Confidence: 0.9845279

00:15:19.030 --> 00:15:20.230 most of the time with

NOTE Confidence: 0.9845279

00:15:20.230 --> 00:15:21.930 the earliest possible cancer.

NOTE Confidence: 0.94060373

00:15:23.355 --> 00:15:24.795 Screening is available in a

NOTE Confidence: 0.94060373

00:15:24.795 --> 00:15:25.995 number of areas. And I

NOTE Confidence: 0.94060373

00:15:25.995 --> 00:15:26.655 think that

NOTE Confidence: 0.7049428

00:15:27.035 --> 00:15:27.535 perhaps,

NOTE Confidence: 0.9992439

00:15:28.235 --> 00:15:29.595 in the area of prostate

NOTE Confidence: 0.9992439

00:15:29.595 --> 00:15:31.595 cancer, there's both more data

NOTE Confidence: 0.9992439

00:15:31.595 --> 00:15:32.895 than in some other areas.

NOTE Confidence: 0.97029614

00:15:33.595 --> 00:15:35.755 There's also perhaps every bit

NOTE Confidence: 0.97029614

00:15:35.755 --> 00:15:37.275 as much controversy as there

NOTE Confidence: 0.97029614

00:15:37.275 --> 00:15:37.740 is in other areas.

NOTE Confidence: 0.9917308

00:15:41.100 --> 00:15:41.600 Michael,

NOTE Confidence: 0.9845432

00:15:42.300 --> 00:15:43.040 thoughts about

NOTE Confidence: 0.9759349

00:15:43.500 --> 00:15:44.800 prostate cancer screening.

NOTE Confidence: 0.99835855

00:15:45.180 --> 00:15:46.480 When did it all start?

00:15:48.060 --> 00:15:49.440 It's an enduring

NOTE Confidence: 0.9863252

00:15:50.024 --> 00:15:51.704 topic that really hasn't

NOTE Confidence: 0.9863252

00:15:51.704 --> 00:15:52.985 been settled, but I think

NOTE Confidence: 0.9863252

00:15:52.985 --> 00:15:54.425 this really goes back about

NOTE Confidence: 0.9863252

00:15:54.425 --> 00:15:55.245 thirty years

NOTE Confidence: 0.99174

00:15:55.865 --> 00:15:57.944 to the early nineteen nineties

NOTE Confidence: 0.99174

00:15:57.944 --> 00:15:58.444 with

NOTE Confidence: 0.97877014

00:15:59.144 --> 00:16:01.065 the isolation and advent of

NOTE Confidence: 0.97877014

00:16:01.065 --> 00:16:02.904 PSA. And PSA is a

NOTE Confidence: 0.95745724

00:16:04.010 --> 00:16:05.290 blood test. It's a protein

NOTE Confidence: 0.95745724

00:16:05.290 --> 00:16:06.970 that is made by prostate

NOTE Confidence: 0.95745724

00:16:06.970 --> 00:16:08.970 cells. So cancerous cells and

NOTE Confidence: 0.95745724

00:16:08.970 --> 00:16:10.170 non cancerous cells of the

NOTE Confidence: 0.95745724

00:16:10.170 --> 00:16:10.670 prostate

NOTE Confidence: 0.9315737

00:16:10.970 --> 00:16:12.030 make this protein.

NOTE Confidence: 0.94436646

00:16:13.050 --> 00:16:14.570 And it is stands

NOTE Confidence: 0.94436646

00:16:14.570 --> 00:16:16.270 for prostate specific antigen.

NOTE Confidence: 0.9681737

00:16:17.144 --> 00:16:18.985 And so scientists in the

NOTE Confidence: 0.9681737

00:16:19.225 --> 00:16:20.445 early seventies

NOTE Confidence: 0.9681737

00:16:20.505 --> 00:16:22.024 were able to identify this

NOTE Confidence: 0.9681737

00:16:22.024 --> 00:16:22.845 in the blood

NOTE Confidence: 0.965095

00:16:23.305 --> 00:16:25.144 and really began to become

NOTE Confidence: 0.965095

00:16:25.144 --> 00:16:26.665 a biomarker or a test

NOTE Confidence: 0.965095

00:16:26.665 --> 00:16:28.425 that we would order beginning

NOTE Confidence: 0.965095

00:16:28.425 --> 00:16:29.545 in the early

NOTE Confidence: 0.965095

00:16:29.545 --> 00:16:30.445 nineteen nineties.

NOTE Confidence: 0.97400874

00:16:30.860 --> 00:16:31.820 And it was found that

NOTE Confidence: 0.97400874

00:16:31.820 --> 00:16:32.780 that was a pretty good

NOTE Confidence: 0.97400874

00:16:32.780 --> 00:16:34.060 marker for prostate cancer.

NOTE Confidence: 0.97400874

00:16:34.300 --> 00:16:35.340 If I can just interrupt

NOTE Confidence: 0.97400874

00:16:35.340 --> 00:16:36.540 you for a second, that's

NOTE Confidence: 0.97400874

00:16:36.540 --> 00:16:38.060 also the same test that's

NOTE Confidence: 0.97400874

00:16:38.060 --> 00:16:39.120 used at times

NOTE Confidence: 0.9407103

00:16:39.500 --> 00:16:40.700 when we're taking care of

NOTE Confidence: 0.9407103

00:16:40.700 --> 00:16:42.780 patients who have advanced prostate

NOTE Confidence: 0.9407103

00:16:42.780 --> 00:16:44.640 cancer or for that matter,

NOTE Confidence: 0.9578611

00:16:45.105 --> 00:16:46.565 screening them for recurrence.

NOTE Confidence: 0.9712757

00:16:47.185 --> 00:16:48.225 And it it is used

NOTE Confidence: 0.9712757

00:16:48.225 --> 00:16:49.584 in those situations as well

NOTE Confidence: 0.9712757

00:16:49.584 --> 00:16:50.865 in people who have

NOTE Confidence: 0.9712757

00:16:50.945 --> 00:16:52.464 already been treated

NOTE Confidence: 0.9712757

00:16:52.464 --> 00:16:54.225 for prostate cancer.

NOTE Confidence: 0.9712757

00:16:54.225 --> 00:16:55.425 That's right, it's the same test.

NOTE Confidence: 0.9712757

00:16:55.425 --> 00:16:56.464 PSA has been on the

NOTE Confidence: 0.9712757

00:16:56.464 --> 00:16:57.985 scene for over thirty

NOTE Confidence: 0.9712757

00:16:57.985 --> 00:16:59.024 years. It is an

NOTE Confidence: 0.9712757

00:16:59.024 --> 00:17:00.329 amazing test if you really

NOTE Confidence: 0.9712757

00:17:00.329 --> 00:17:01.209 think about it, and it

NOTE Confidence: 0.9712757

00:17:01.209 --> 00:17:01.949 has transformed

NOTE Confidence: 0.9822454

00:17:02.970 --> 00:17:05.210 how we diagnose prostate cancer,

NOTE Confidence: 0.9822454

00:17:05.210 --> 00:17:06.490 how we treat prostate cancer,

NOTE Confidence: 0.9822454

00:17:06.490 --> 00:17:07.609 and it has really shifted

NOTE Confidence: 0.9822454

00:17:07.609 --> 00:17:09.369 the lives and trajectory of

NOTE Confidence: 0.9822454

00:17:09.369 --> 00:17:10.970 the disease for probably

NOTE Confidence: 0.9822454

00:17:10.970 --> 00:17:12.429 millions and millions of people.

NOTE Confidence: 0.9587252

00:17:12.970 --> 00:17:14.655 The issue is that PSA

NOTE Confidence: 0.9587252

00:17:14.655 --> 00:17:16.655 levels can be elevated in

NOTE Confidence: 0.9587252

00:17:16.655 --> 00:17:17.855 people who don't have prostate

NOTE Confidence: 0.9587252

00:17:17.855 --> 00:17:19.235 cancer and in some cases,

NOTE Confidence: 0.9587252

00:17:19.375 --> 00:17:20.735 they're not elevated in people who do.

00:17:21.695 --> 00:17:22.735 But overall, it's a pretty

NOTE Confidence: 0.9799347

00:17:22.735 --> 00:17:23.395 good test.

NOTE Confidence: 0.94677114

00:17:27.375 --> 00:17:28.575 And in the nineteen nineties when

NOTE Confidence: 0.94677114

00:17:28.575 --> 00:17:30.440 it was really performed

NOTE Confidence: 0.94677114

00:17:30.440 --> 00:17:32.440 in mass, essentially people

NOTE Confidence: 0.94677114

00:17:32.440 --> 00:17:33.559 were going to their doctors,

NOTE Confidence: 0.94677114

00:17:33.559 --> 00:17:34.940 getting PSA screened,

NOTE Confidence: 0.9675897

00:17:35.480 --> 00:17:36.520 and if the numbers were

NOTE Confidence: 0.9675897

00:17:36.520 --> 00:17:38.680 elevated, being monitored or being

NOTE Confidence: 0.9675897

00:17:38.680 --> 00:17:40.520 evaluated further. So screening really

NOTE Confidence: 0.9675897

00:17:40.520 --> 00:17:41.800 has been that PSA blood

NOTE Confidence: 0.9675897

00:17:41.800 --> 00:17:43.400 test. And the question has

NOTE Confidence: 0.9675897

00:17:43.400 --> 00:17:44.760 been, well, we know PSA

NOTE Confidence: 0.9675897

00:17:44.760 --> 00:17:45.980 is very good at finding

NOTE Confidence: 0.9512204

00:17:46.335 --> 00:17:48.115 these early stage prostate cancers.

NOTE Confidence: 0.99419785

00:17:48.494 --> 00:17:49.695 But will it lead to

NOTE Confidence: 0.99419785

00:17:49.695 --> 00:17:50.195 people

NOTE Confidence: 0.97152823

00:17:50.494 --> 00:17:52.015 living longer? Will it reduce

NOTE Confidence: 0.97152823

00:17:52.015 --> 00:17:52.975 the risk of dying from

NOTE Confidence: 0.97152823

00:17:52.975 --> 00:17:54.174 prostate cancer? That has been

NOTE Confidence: 0.97152823

00:17:54.174 --> 00:17:55.775 the fundamental question that people

NOTE Confidence: 0.97152823

00:17:55.775 --> 00:17:57.054 have been wrestling with and

NOTE Confidence: 0.97152823

00:17:57.054 --> 00:17:58.335 has been evaluated in a

NOTE Confidence: 0.97152823

00:17:58.335 --> 00:18:00.095 number of clinical trials over

NOTE Confidence: 0.97152823

00:18:00.095 --> 00:18:00.674 the years.

NOTE Confidence: 0.9915258

00:18:00.980 --> 00:18:01.859 And if I can ask

NOTE Confidence: 0.9915258

00:18:01.859 --> 00:18:03.540 you, the people who have

NOTE Confidence: 0.9915258

00:18:03.540 --> 00:18:04.600 prostate cancer

NOTE Confidence: 0.99568015

00:18:05.300 --> 00:18:06.840 and don't have an elevated

NOTE Confidence: 0.99568015

00:18:06.980 --> 00:18:07.480 PSA,

NOTE Confidence: 0.9680661

00:18:08.660 --> 00:18:09.859 how common is that, and

NOTE Confidence: 0.9680661

00:18:09.859 --> 00:18:11.800 are those cancers any different?

NOTE Confidence: 0.97087634

00:18:12.340 --> 00:18:13.220 You know, it seems to

NOTE Confidence: 0.97087634

00:18:13.220 --> 00:18:14.580 be the minority. So it's

NOTE Confidence: 0.97087634

00:18:14.580 --> 00:18:15.619 not very common that we

NOTE Confidence: 0.97087634

00:18:15.619 --> 00:18:17.275 see it. Most people, it is elevated.

00:18:18.555 --> 00:18:20.475 In some cases, after treatment, after

NOTE Confidence: 0.97087634

00:18:20.475 --> 00:18:21.695 many rounds of treatment,

NOTE Confidence: 0.9644468

00:18:22.315 --> 00:18:24.075 PSA stops being produced by

NOTE Confidence: 0.9644468

00:18:24.075 --> 00:18:25.515 prostate cancer cells. And so

NOTE Confidence: 0.9644468

00:18:25.515 --> 00:18:26.555 at some point when the

NOTE Confidence: 0.9644468

00:18:26.555 --> 00:18:28.315 cells are not responsive to

NOTE Confidence: 0.9644468

00:18:28.315 --> 00:18:29.535 androgens or testosterone,

NOTE Confidence: 0.9267784

00:18:30.315 --> 00:18:31.295 you may see

NOTE Confidence: 0.97780097

00:18:31.890 --> 00:18:33.750 growth of prostate cancer without

NOTE Confidence: 0.97780097

00:18:33.810 --> 00:18:34.930 a rise in PSA. But

NOTE Confidence: 0.97780097

00:18:34.930 --> 00:18:36.950 overall, it remains preserved

NOTE Confidence: 0.97780097

00:18:37.090 --> 00:18:38.130 even after people have been

NOTE Confidence: 0.97780097

00:18:38.130 --> 00:18:39.570 treated for prostate cancer. So

NOTE Confidence: 0.97780097

00:18:39.570 --> 00:18:40.770 it's a useful marker for

NOTE Confidence: 0.97780097

00:18:40.770 --> 00:18:42.150 people who have been treated

NOTE Confidence: 0.97780097

00:18:42.290 --> 00:18:43.030 to know

NOTE Confidence: 0.999666

00:18:43.330 --> 00:18:44.295 where they stand.

NOTE Confidence: 0.9918499

00:18:44.855 --> 00:18:46.215 What are the reasons that

NOTE Confidence: 0.9918499

00:18:46.215 --> 00:18:47.035 a PSA

NOTE Confidence: 0.99604475

00:18:47.415 --> 00:18:49.015 goes up if you don't

NOTE Confidence: 0.99604475

00:18:49.015 --> 00:18:50.155 have prostate cancer?

NOTE Confidence: 0.9911872

00:18:51.095 --> 00:18:52.075 So inflammation,

NOTE Confidence: 0.9984554

00:18:52.535 --> 00:18:54.315 infection, growth of the prostate

NOTE Confidence: 0.97700596

00:18:55.255 --> 00:18:56.935 can all cause PSA to

NOTE Confidence: 0.97700596

00:18:56.935 --> 00:18:58.055 go up. And some people

NOTE Confidence: 0.97700596

00:18:58.055 --> 00:18:58.795 just genetically

NOTE Confidence: 0.98952675

00:18:59.255 --> 00:19:01.109 are predisposed to have higher

NOTE Confidence: 0.98952675

00:19:01.109 --> 00:19:02.390 PSAs than others. So there's

NOTE Confidence: 0.98952675

00:19:02.390 --> 00:19:04.230 some interesting research showing that

NOTE Confidence: 0.98952675

00:19:04.230 --> 00:19:05.609 you can begin adjusting

NOTE Confidence: 0.9985255

00:19:05.990 --> 00:19:07.450 for that genetic variation.

NOTE Confidence: 0.9163511

00:19:08.150 --> 00:19:09.990 But let's say someone's having

NOTE Confidence: 0.9163511

00:19:09.990 --> 00:19:11.590 screening and the level is

NOTE Confidence: 0.9163511

00:19:11.590 --> 00:19:12.730 particularly high,

NOTE Confidence: 0.9980033

00:19:13.105 --> 00:19:14.625 it's more likely to be

NOTE Confidence: 0.9980033

00:19:14.625 --> 00:19:16.144 a cancer than one of

NOTE Confidence: 0.9980033

00:19:16.144 --> 00:19:18.404 these other benign causes?

NOTE Confidence: 0.97789574

00:19:18.705 --> 00:19:20.144 That's true. And

NOTE Confidence: 0.97789574

00:19:20.144 --> 00:19:21.184 so I think that's

NOTE Confidence: 0.97789574

00:19:21.184 --> 00:19:22.225 really where there's been a

NOTE Confidence: 0.97789574

00:19:22.225 --> 00:19:23.664 a big revolution in how

NOTE Confidence: 0.97789574

00:19:23.664 --> 00:19:24.705 we approach this.

NOTE Confidence: 0.97789574

00:19:24.705 --> 00:19:26.144 Ten, fifteen years ago,

NOTE Confidence: 0.97789574

00:19:26.144 --> 00:19:27.105 if someone had a high

NOTE Confidence: 0.97789574

00:19:27.105 --> 00:19:28.609 PSA level, they would come

NOTE Confidence: 0.97789574

00:19:28.609 --> 00:19:30.230 in and get a biopsy,

NOTE Confidence: 0.97789574

00:19:30.450 --> 00:19:32.050 essentially a procedure where we

NOTE Confidence: 0.97789574

00:19:32.050 --> 00:19:33.090 would take little pieces of

NOTE Confidence: 0.97789574

00:19:33.090 --> 00:19:34.050 the prostate and see if

NOTE Confidence: 0.97789574

00:19:34.050 --> 00:19:35.570 there was cancer there. Our

NOTE Confidence: 0.97789574

00:19:35.570 --> 00:19:36.850 approach has shifted. So if

NOTE Confidence: 0.97789574

00:19:37.090 --> 00:19:38.290 a gentleman comes to see

NOTE Confidence: 0.97789574

00:19:38.290 --> 00:19:39.250 me and his PSA is

NOTE Confidence: 0.97789574

00:19:39.250 --> 00:19:39.750 elevated,

NOTE Confidence: 0.99974126

00:19:40.050 --> 00:19:41.955 we will do imaging to

NOTE Confidence: 0.99974126

00:19:41.955 --> 00:19:42.455 confirm

NOTE Confidence: 0.99177486

00:19:42.835 --> 00:19:43.875 whether or not there's something

NOTE Confidence: 0.99177486

00:19:43.875 --> 00:19:44.994 there. And that has allowed

NOTE Confidence: 0.99177486

00:19:44.994 --> 00:19:46.195 us to avoid doing a

NOTE Confidence: 0.99177486

00:19:46.195 --> 00:19:47.875 biopsy to rule out significant

NOTE Confidence: 0.99177486

00:19:47.875 --> 00:19:48.915 cancer in a number of

NOTE Confidence: 0.99177486

00:19:48.915 --> 00:19:50.515 people, which is great. If

NOTE Confidence: 0.99177486

00:19:50.515 --> 00:19:51.734 we can do something noninvasively,

NOTE Confidence: 0.9996336

00:19:52.115 --> 00:19:53.575 that's a big win.

NOTE Confidence: 0.9748586

00:19:53.899 --> 00:19:55.259 In most

NOTE Confidence: 0.9748586

00:19:55.259 --> 00:19:56.799 cases, it will help identify

NOTE Confidence: 0.99967647

00:19:57.179 --> 00:19:57.679 where

NOTE Confidence: 0.9900587

00:19:57.980 --> 00:19:59.340 a tumor is located so

NOTE Confidence: 0.9900587

00:19:59.340 --> 00:20:00.139 we can take a more

NOTE Confidence: 0.9900587

00:20:00.139 --> 00:20:01.600 accurate biopsy of it.

NOTE Confidence: 0.9869334

00:20:02.539 --> 00:20:04.380 So when I'm asked the

NOTE Confidence: 0.9869334

00:20:04.380 --> 00:20:04.880 question

NOTE Confidence: 0.9991494

00:20:05.659 --> 00:20:07.600 by a friend or

NOTE Confidence: 0.9966043

00:20:07.980 --> 00:20:08.799 an acquaintance,

NOTE Confidence: 0.96813697

00:20:09.505 --> 00:20:11.365 they'll say, well, you know,

NOTE Confidence: 0.96813697

00:20:11.505 --> 00:20:12.865 you work at Yale

NOTE Confidence: 0.96813697

00:20:12.865 --> 00:20:14.385 Cancer Center. Tell me, should

NOTE Confidence: 0.96813697

00:20:14.385 --> 00:20:15.924 I have prostate screening,

NOTE Confidence: 0.9803238

00:20:16.544 --> 00:20:18.225 and when should I start

NOTE Confidence: 0.9803238

00:20:18.225 --> 00:20:19.205 it, and

NOTE Confidence: 0.99693483

00:20:19.744 --> 00:20:21.105 how often should it be

NOTE Confidence: 0.99693483

00:20:21.105 --> 00:20:22.210 done? What do I

NOTE Confidence: 0.99693483

00:20:22.210 --> 00:20:23.889 tell those people?

NOTE Confidence: 0.99693483

00:20:23.889 --> 00:20:25.009 That's a good question.

NOTE Confidence: 0.99693483

00:20:25.009 --> 00:20:26.289 And you know

NOTE Confidence: 0.99693483

00:20:26.289 --> 00:20:27.169 this is

NOTE Confidence: 0.99693483

00:20:27.169 --> 00:20:28.609 always the cocktail

NOTE Confidence: 0.99693483

00:20:28.609 --> 00:20:29.590 party conversation.

00:20:31.970 --> 00:20:33.009 It really depends. You know, the

NOTE Confidence: 0.9716609

00:20:33.009 --> 00:20:34.130 best evidence we have for

NOTE Confidence: 0.9716609

00:20:34.130 --> 00:20:35.889 prostate cancer screening are in

NOTE Confidence: 0.9716609

00:20:35.889 --> 00:20:36.389 young

NOTE Confidence: 0.9989359

00:20:37.065 --> 00:20:38.424 fifty five to sixty nine

NOTE Confidence: 0.9989359

00:20:38.424 --> 00:20:39.625 year old people who are

NOTE Confidence: 0.9989359

00:20:39.625 --> 00:20:40.365 well informed

NOTE Confidence: 0.99978286

00:20:40.744 --> 00:20:41.244 about

NOTE Confidence: 0.96883166

00:20:41.705 --> 00:20:42.845 the risks and benefits.

NOTE Confidence: 0.9959961

00:20:43.705 --> 00:20:44.825 And it seems to be

NOTE Confidence: 0.9959961

00:20:45.705 --> 00:20:47.065 that getting a PSA test,

NOTE Confidence: 0.9959961

00:20:47.065 --> 00:20:47.804 getting screened

NOTE Confidence: 0.9773975

00:20:48.184 --> 00:20:49.385 reduces the risk of dying

NOTE Confidence: 0.9773975

00:20:49.385 --> 00:20:50.744 from prostate cancer. So that's

NOTE Confidence: 0.9773975

00:20:50.744 --> 00:20:51.784 what I would tell people.

NOTE Confidence: 0.9773975

00:20:51.784 --> 00:20:53.180 But we've

NOTE Confidence: 0.9773975

00:20:53.180 --> 00:20:54.320 had a hard time interpreting

NOTE Confidence: 0.9773975

00:20:54.380 --> 00:20:55.420 that. So does that mean

NOTE Confidence: 0.9773975

00:20:55.420 --> 00:20:56.700 every single person at any

NOTE Confidence: 0.9773975

00:20:56.700 --> 00:20:57.820 age should get it? Probably

NOTE Confidence: 0.9773975

00:20:57.820 --> 00:20:59.760 not. Screening people who

NOTE Confidence: 0.9624891

00:21:00.140 --> 00:21:01.660 are much older or who

NOTE Confidence: 0.9624891

00:21:01.660 --> 00:21:03.420 have serious other medical things

NOTE Confidence: 0.9624891

00:21:03.420 --> 00:21:04.455 going on in their life

NOTE Confidence: 0.9624891

00:21:04.615 --> 00:21:05.815 might have more risk than

NOTE Confidence: 0.9624891

00:21:05.815 --> 00:21:07.015 benefit because you might find a

00:21:08.215 --> 00:21:09.755 prostate cancer and treat it

NOTE Confidence: 0.9624891

00:21:10.054 --> 00:21:11.575 when it was never destined

NOTE Confidence: 0.9624891

00:21:11.575 --> 00:21:13.335 to harm that individual. And

NOTE Confidence: 0.9624891

00:21:13.335 --> 00:21:14.534 then they

NOTE Confidence: 0.9624891

00:21:14.534 --> 00:21:15.414 have to deal with all

NOTE Confidence: 0.9624891

00:21:15.414 --> 00:21:16.615 of the quality of life

NOTE Confidence: 0.9624891

00:21:16.615 --> 00:21:18.615 stuff that really they didn't

NOTE Confidence: 0.9624891

00:21:18.615 --> 00:21:19.515 need to go through.

NOTE Confidence: 0.9497989

00:21:21.040 --> 00:21:23.520 So, in general, it's a

NOTE Confidence: 0.9497989

00:21:23.520 --> 00:21:25.200 highly personal decision.

NOTE Confidence: 0.9497989

00:21:25.280 --> 00:21:26.400 It's something that

NOTE Confidence: 0.9497989

00:21:26.400 --> 00:21:27.200 we wish we had a

NOTE Confidence: 0.9497989

00:21:27.200 --> 00:21:28.400 snap answer for all

NOTE Confidence: 0.9497989

00:21:28.400 --> 00:21:28.900 people,

NOTE Confidence: 0.998936

00:21:29.280 --> 00:21:30.480 but it really is something

NOTE Confidence: 0.998936

00:21:30.480 --> 00:21:31.780 that I think is best

NOTE Confidence: 0.998936

00:21:31.840 --> 00:21:32.820 discussed with

NOTE Confidence: 0.9603821

00:21:33.545 --> 00:21:34.905 a person and their primary

NOTE Confidence: 0.9603821

00:21:34.905 --> 00:21:35.725 care doctor.

NOTE Confidence: 0.9818352

00:21:36.345 --> 00:21:37.385 Of course, there's a benefit.

NOTE Confidence: 0.9818352

00:21:37.385 --> 00:21:38.905 Right? Because we often find

NOTE Confidence: 0.9818352

00:21:38.905 --> 00:21:40.825 aggressive cancers early, and those

NOTE Confidence: 0.9818352

00:21:40.825 --> 00:21:41.785 are the ones we can

NOTE Confidence: 0.9818352

00:21:41.785 --> 00:21:43.705 treat and cure. And so

NOTE Confidence: 0.9818352

00:21:43.705 --> 00:21:44.984 there is tremendous power here.

NOTE Confidence: 0.9818352

00:21:44.984 --> 00:21:45.785 So I don't mean to

NOTE Confidence: 0.9818352

00:21:45.785 --> 00:21:47.244 be cynical about it because

NOTE Confidence: 0.9958196

00:21:47.670 --> 00:21:49.110 screening and early detection is

NOTE Confidence: 0.9958196

00:21:49.110 --> 00:21:49.850 what is

NOTE Confidence: 0.9997905

00:21:50.310 --> 00:21:50.810 changing

NOTE Confidence: 0.9907409

00:21:51.590 --> 00:21:53.350 prostate cancer. Despite our

NOTE Confidence: 0.9907409

00:21:53.350 --> 00:21:54.810 treatments getting better and better,

NOTE Confidence: 0.9907409

00:21:54.869 --> 00:21:56.150 we are not curing people

NOTE Confidence: 0.9907409

00:21:56.150 --> 00:21:58.070 with advanced or metastatic prostate

NOTE Confidence: 0.9907409

00:21:58.070 --> 00:21:59.510 cancer. Things are getting better,

NOTE Confidence: 0.9907409

00:21:59.510 --> 00:22:00.410 but incrementally.

NOTE Confidence: 0.97677517

00:22:01.215 --> 00:22:02.655 We really bend the needle

NOTE Confidence: 0.97677517

00:22:02.655 --> 00:22:04.015 and bend the trajectory when

NOTE Confidence: 0.97677517

00:22:04.015 --> 00:22:05.294 we find an aggressive cancer

NOTE Confidence: 0.97677517

00:22:05.294 --> 00:22:06.975 early before it spread and

NOTE Confidence: 0.97677517

00:22:06.975 --> 00:22:08.255 treat it and can cure

NOTE Confidence: 0.97677517

00:22:08.255 --> 00:22:09.294 an individual for the rest

NOTE Confidence: 0.97677517

00:22:09.294 --> 00:22:11.554 of their life. So imagine

NOTE Confidence: 0.9896554

00:22:12.015 --> 00:22:13.554 you have a close friend

NOTE Confidence: 0.9896554

00:22:13.695 --> 00:22:14.434 or brother

NOTE Confidence: 0.9982249

00:22:14.940 --> 00:22:16.859 who is fifty seven years

NOTE Confidence: 0.9982249

00:22:16.859 --> 00:22:17.359 old,

NOTE Confidence: 0.99536383

00:22:18.539 --> 00:22:20.220 and says, should I have

NOTE Confidence: 0.99536383

00:22:20.220 --> 00:22:21.039 that PSA?

NOTE Confidence: 0.9983787

00:22:21.659 --> 00:22:22.960 It sounds to me

NOTE Confidence: 0.92337734

00:22:23.580 --> 00:22:24.639 like you'd say,

NOTE Confidence: 0.983643

00:22:25.100 --> 00:22:26.460 I might do it myself,

NOTE Confidence: 0.983643

00:22:26.460 --> 00:22:27.419 but you should talk to

NOTE Confidence: 0.983643

00:22:27.419 --> 00:22:28.940 your doctor because there are

NOTE Confidence: 0.983643

00:22:28.940 --> 00:22:30.299 pros and cons. Is that

NOTE Confidence: 0.983643

00:22:30.299 --> 00:22:31.075 right?

NOTE Confidence: 0.983643

00:22:31.075 --> 00:22:32.275 That's what I would

NOTE Confidence: 0.983643

00:22:32.275 --> 00:22:33.235 say.

NOTE Confidence: 0.983643

00:22:33.315 --> 00:22:34.275 I would

NOTE Confidence: 0.983643

00:22:34.275 --> 00:22:35.315 go back to the evidence

NOTE Confidence: 0.983643

00:22:35.315 --> 00:22:36.935 that having this test

NOTE Confidence: 0.95215297

00:22:37.555 --> 00:22:39.155 can, overall has

NOTE Confidence: 0.95215297

00:22:39.155 --> 00:22:40.355 the effect of reducing the

NOTE Confidence: 0.95215297

00:22:40.355 --> 00:22:41.715 risk of dying from prostate

NOTE Confidence: 0.95215297

00:22:41.715 --> 00:22:42.215 cancer.

NOTE Confidence: 0.9808594

00:22:42.755 --> 00:22:43.715 And I think that's

NOTE Confidence: 0.9808594

00:22:43.715 --> 00:22:44.340 pretty clear.

NOTE Confidence: 0.95737743

00:22:44.900 --> 00:22:45.779 And so I would encourage

NOTE Confidence: 0.95737743

00:22:45.779 --> 00:22:46.659 those people. But I've got

NOTE Confidence: 0.95737743

00:22:46.659 --> 00:22:48.100 family members who I've pushed

NOTE Confidence: 0.95737743

00:22:48.100 --> 00:22:48.980 and pushed and they

NOTE Confidence: 0.95737743

00:22:48.980 --> 00:22:49.940 say no, and

NOTE Confidence: 0.95737743

00:22:49.940 --> 00:22:50.900 I have to respect that

NOTE Confidence: 0.95737743

00:22:50.900 --> 00:22:52.340 because, you know, as long

NOTE Confidence: 0.95737743

00:22:52.340 --> 00:22:53.380 as that's

NOTE Confidence: 0.95737743

00:22:53.380 --> 00:22:54.600 been understood, then

NOTE Confidence: 0.9994625

00:22:55.140 --> 00:22:56.355 people should make their decision.

NOTE Confidence: 0.9956347

00:22:56.755 --> 00:22:58.035 And is it also fair

NOTE Confidence: 0.9956347

00:22:58.035 --> 00:22:59.155 to say that if you

NOTE Confidence: 0.9956347

00:22:59.155 --> 00:23:00.595 were talking to your eighty

NOTE Confidence: 0.9956347

00:23:00.595 --> 00:23:02.294 two year old great uncle,

NOTE Confidence: 0.99952173

00:23:03.395 --> 00:23:05.015 that you would probably suggest

NOTE Confidence: 0.99443436

00:23:05.395 --> 00:23:07.315 that he not continue to

NOTE Confidence: 0.99443436

00:23:07.315 --> 00:23:08.054 have screening?

NOTE Confidence: 0.97716796

00:23:08.515 --> 00:23:09.875 I would, absolutely.

NOTE Confidence: 0.97716796

00:23:09.875 --> 00:23:10.755 And that, I think,

NOTE Confidence: 0.97716796

00:23:10.755 --> 00:23:11.940 is something that is

NOTE Confidence: 0.97716796

00:23:12.100 --> 00:23:13.619 really difficult to navigate, and

NOTE Confidence: 0.97716796

00:23:13.619 --> 00:23:14.899 I often see people who

NOTE Confidence: 0.97716796

00:23:14.899 --> 00:23:15.859 are older. And the

NOTE Confidence: 0.97716796

00:23:15.859 --> 00:23:17.139 question is, well, if I've

NOTE Confidence: 0.97716796

00:23:17.139 --> 00:23:19.059 been screened for years and

NOTE Confidence: 0.97716796

00:23:19.059 --> 00:23:20.419 years, and as we get

NOTE Confidence: 0.97716796

00:23:20.419 --> 00:23:21.799 older, when do you stop?

NOTE Confidence: 0.97716796

00:23:21.859 --> 00:23:22.899 And that's a hard

NOTE Confidence: 0.97716796

00:23:22.899 --> 00:23:24.259 conversation because when we when

NOTE Confidence: 0.97716796

00:23:24.259 --> 00:23:25.299 we suggest to stop, that

NOTE Confidence: 0.97716796

00:23:25.299 --> 00:23:26.659 doesn't mean that we're saying

NOTE Confidence: 0.97716796

00:23:26.659 --> 00:23:27.805 we don't think you have

NOTE Confidence: 0.97716796

00:23:27.805 --> 00:23:29.484 a long life expectancy

NOTE Confidence: 0.97716796

00:23:29.484 --> 00:23:30.605 or that your cancer is

NOTE Confidence: 0.97716796

00:23:30.605 --> 00:23:31.805 worth finding. So there's that

NOTE Confidence: 0.97716796

00:23:31.805 --> 00:23:33.425 stigma that

NOTE Confidence: 0.98350084

00:23:33.805 --> 00:23:34.845 you don't think it's

NOTE Confidence: 0.98350084

00:23:34.845 --> 00:23:36.125 worth finding this. And it's a

00:23:36.845 --> 00:23:38.285 difficult conversation and to try to

NOTE Confidence: 0.98350084

00:23:38.285 --> 00:23:39.805 convey that it's really

NOTE Confidence: 0.98350084

00:23:39.805 --> 00:23:41.005 not that. Of course, we

NOTE Confidence: 0.98350084

00:23:41.005 --> 00:23:42.225 want you to

NOTE Confidence: 0.98474336

00:23:43.520 --> 00:23:44.480 live a long and full

NOTE Confidence: 0.98474336

00:23:44.480 --> 00:23:46.000 life, but there's the potential

NOTE Confidence: 0.98474336

00:23:46.000 --> 00:23:47.280 for making that life worse.

NOTE Confidence: 0.98474336

00:23:47.280 --> 00:23:48.080 And I think that is

NOTE Confidence: 0.98474336

00:23:48.080 --> 00:23:48.660 a centering

NOTE Confidence: 0.97284913

00:23:49.280 --> 00:23:51.200 point that people get. But,

NOTE Confidence: 0.97284913

00:23:51.520 --> 00:23:53.119 that's still tough. There's

NOTE Confidence: 0.97284913

00:23:53.119 --> 00:23:54.255 no road map for that.

NOTE Confidence: 0.9865648

00:23:55.295 --> 00:23:56.335 Unfortunately, that falls in the

NOTE Confidence: 0.9865648

00:23:56.335 --> 00:23:56.975 lap of a lot of

NOTE Confidence: 0.9865648

00:23:56.975 --> 00:23:58.335 our primary care doctors who

NOTE Confidence: 0.9865648

00:23:58.335 --> 00:23:59.615 are our partners in prostate

NOTE Confidence: 0.9865648

00:23:59.615 --> 00:24:00.975 cancer care.

NOTE Confidence: 0.9991148

00:24:02.015 --> 00:24:03.375 I had that same

NOTE Confidence: 0.9991148

00:24:03.375 --> 00:24:04.355 difficult conversation

NOTE Confidence: 0.9958251

00:24:04.734 --> 00:24:06.515 with my mother about mammography,

NOTE Confidence: 0.9915566

00:24:07.320 --> 00:24:09.480 you know, and advising her

NOTE Confidence: 0.9915566

00:24:09.480 --> 00:24:10.519 as the son who's a

NOTE Confidence: 0.9915566

00:24:10.519 --> 00:24:11.659 breast cancer doctor.

NOTE Confidence: 0.996329

00:24:12.039 --> 00:24:13.240 And I can tell you

NOTE Confidence: 0.996329

00:24:13.240 --> 00:24:14.760 that conversation was also a

NOTE Confidence: 0.996329

00:24:14.760 --> 00:24:15.580 little difficult.

NOTE Confidence: 0.9768296

00:24:17.240 --> 00:24:17.740 So

NOTE Confidence: 0.99806815

00:24:18.519 --> 00:24:19.019 let's

NOTE Confidence: 0.96537155

00:24:20.175 --> 00:24:21.855 shift a bit and talk

NOTE Confidence: 0.96537155

00:24:21.855 --> 00:24:22.355 about,

NOTE Confidence: 0.999534

00:24:23.215 --> 00:24:24.195 not intervening.

NOTE Confidence: 0.99673116

00:24:24.495 --> 00:24:26.335 So someone is diagnosed with

NOTE Confidence: 0.99673116

00:24:26.335 --> 00:24:27.315 prostate cancer.

NOTE Confidence: 0.9610283

00:24:27.695 --> 00:24:28.835 They've been screened.

NOTE Confidence: 0.9545175

00:24:30.255 --> 00:24:30.755 They

NOTE Confidence: 0.9618091

00:24:31.775 --> 00:24:33.475 have a biopsy done.

NOTE Confidence: 0.9494243

00:24:34.290 --> 00:24:35.510 And sometimes

NOTE Confidence: 0.84732

00:24:35.810 --> 00:24:37.350 I know, and increasingly,

NOTE Confidence: 0.98495704

00:24:39.010 --> 00:24:41.170 they're advised, maybe you don't

NOTE Confidence: 0.98495704

00:24:41.170 --> 00:24:42.610 need to do anything right

NOTE Confidence: 0.98495704

00:24:42.610 --> 00:24:44.710 now. So what's that about?

NOTE Confidence: 0.98495704

00:24:45.010 --> 00:24:46.130 That's right. And so it

NOTE Confidence: 0.98495704

00:24:46.130 --> 00:24:47.170 all goes back to that

NOTE Confidence: 0.98495704

00:24:47.170 --> 00:24:49.184 understanding that

NOTE Confidence: 0.98495704

00:24:49.184 --> 00:24:50.225 many of the cancers we

NOTE Confidence: 0.98495704

00:24:50.225 --> 00:24:51.525 identify with screening

NOTE Confidence: 0.99160177

00:24:51.904 --> 00:24:52.804 are not aggressive.

NOTE Confidence: 0.96225214

00:24:53.505 --> 00:24:54.484 And in particular,

NOTE Confidence: 0.9977749

00:24:55.025 --> 00:24:57.025 you know, we find these

NOTE Confidence: 0.9977749

00:24:57.025 --> 00:24:58.164 lower grade cancers,

NOTE Confidence: 0.98351985

00:24:58.625 --> 00:24:59.664 when we go looking for

NOTE Confidence: 0.98351985

00:24:59.664 --> 00:25:00.804 them, when we do screening.

NOTE Confidence: 0.99773294

00:25:01.500 --> 00:25:02.780 And we have very reliable

NOTE Confidence: 0.99773294

00:25:02.780 --> 00:25:03.840 systems for identifying

NOTE Confidence: 0.99411935

00:25:04.140 --> 00:25:05.260 which ones are aggressive and

NOTE Confidence: 0.99411935

00:25:05.260 --> 00:25:06.480 which ones are not aggressive.

NOTE Confidence: 0.99411935

00:25:06.619 --> 00:25:07.820 And so the idea is

NOTE Confidence: 0.99411935

00:25:07.820 --> 00:25:09.680 that we can carefully monitor

NOTE Confidence: 0.98441166

00:25:10.220 --> 00:25:11.359 those that are nonaggressive

NOTE Confidence: 0.9838855

00:25:12.140 --> 00:25:13.340 and offer treatment in the

NOTE Confidence: 0.9838855

00:25:13.340 --> 00:25:14.960 future should something change

NOTE Confidence: 0.983208

00:25:15.725 --> 00:25:17.185 while that window of opportunity

NOTE Confidence: 0.983208

00:25:17.244 --> 00:25:18.525 for cure is still there.

NOTE Confidence: 0.983208

00:25:18.525 --> 00:25:19.805 And that is a protocol

NOTE Confidence: 0.983208

00:25:19.805 --> 00:25:21.345 that we call active surveillance.

NOTE Confidence: 0.98835856

00:25:22.125 --> 00:25:23.325 And that has also really

NOTE Confidence: 0.98835856

00:25:23.325 --> 00:25:25.005 revolutionized our approach to prostate

NOTE Confidence: 0.98835856

00:25:25.005 --> 00:25:26.045 cancer because I think it's

NOTE Confidence: 0.98835856

00:25:26.045 --> 00:25:27.905 allowed screening to happen

NOTE Confidence: 0.9992249

00:25:28.205 --> 00:25:29.565 with a better balance of

NOTE Confidence: 0.9992249

00:25:29.565 --> 00:25:30.465 risk and benefit.

NOTE Confidence: 0.9997924

00:25:30.869 --> 00:25:31.369 So

NOTE Confidence: 0.9978773

00:25:32.150 --> 00:25:33.510 by only treating the truly

NOTE Confidence: 0.9978773

00:25:33.510 --> 00:25:35.670 aggressive ones, we are reducing

NOTE Confidence: 0.9978773

00:25:35.670 --> 00:25:36.970 the risk of overtreating

NOTE Confidence: 0.9838375

00:25:37.670 --> 00:25:39.609 the nonaggressive ones.

NOTE Confidence: 0.9852254

00:25:40.310 --> 00:25:41.510 Many people who start on

NOTE Confidence: 0.9852254

00:25:41.510 --> 00:25:42.710 active surveillance need to be

NOTE Confidence: 0.9852254

00:25:42.710 --> 00:25:44.234 treated eventually, so up to

NOTE Confidence: 0.9852254

00:25:44.234 --> 00:25:45.755 fifty percent will eventually need

NOTE Confidence: 0.9852254

00:25:45.755 --> 00:25:46.815 some form of treatment.

NOTE Confidence: 0.9749196

00:25:47.835 --> 00:25:48.715 But, yeah, I think it

NOTE Confidence: 0.9749196

00:25:48.715 --> 00:25:50.155 has really moved the needle

NOTE Confidence: 0.9749196

00:25:50.155 --> 00:25:51.215 in terms of reducing

NOTE Confidence: 0.9918581

00:25:51.675 --> 00:25:54.095 unnecessary surgery, unnecessary radiation,

NOTE Confidence: 0.99848014

00:25:54.395 --> 00:25:56.010 and the associated effect.

NOTE Confidence: 0.9975688

00:25:57.130 --> 00:25:59.210 Sure. And I can imagine

NOTE Confidence: 0.9975688

00:25:59.210 --> 00:26:00.570 that that conversation is a

NOTE Confidence: 0.9975688

00:26:00.570 --> 00:26:01.550 difficult conversation

NOTE Confidence: 0.9881512

00:26:01.930 --> 00:26:02.590 as well.

NOTE Confidence: 0.94084275

00:26:02.970 --> 00:26:04.090 And I guess the question

NOTE Confidence: 0.94084275

00:26:04.090 --> 00:26:05.790 I have is, are more

NOTE Confidence: 0.9973354

00:26:06.170 --> 00:26:08.010 people opting for that approach

NOTE Confidence: 0.9973354

00:26:08.010 --> 00:26:09.450 than was the case years

NOTE Confidence: 0.9973354

00:26:09.450 --> 00:26:09.950 ago?

NOTE Confidence: 0.96989554

00:26:10.544 --> 00:26:11.904 They are. Yes. There's really

NOTE Confidence: 0.96989554

00:26:11.904 --> 00:26:13.184 been a real change

NOTE Confidence: 0.96989554

00:26:13.184 --> 00:26:14.465 over the past few years,

NOTE Confidence: 0.96989554

00:26:14.465 --> 00:26:15.345 and it used to be

NOTE Confidence: 0.96989554

00:26:15.345 --> 00:26:16.565 where that was a difficult

NOTE Confidence: 0.96989554

00:26:16.625 --> 00:26:18.565 conversation and it seemed heretical

NOTE Confidence: 0.96989554

00:26:18.705 --> 00:26:20.144 to say, you found prostate

NOTE Confidence: 0.96989554

00:26:20.144 --> 00:26:21.184 cancer and you're not gonna

NOTE Confidence: 0.96989554

00:26:21.184 --> 00:26:22.140 treat me for this.

NOTE Confidence: 0.99898624

00:26:22.940 --> 00:26:23.980 But people have really come

NOTE Confidence: 0.99898624

00:26:23.980 --> 00:26:24.859 around to it. So the

NOTE Confidence: 0.99898624

00:26:24.859 --> 00:26:26.300 majority of people who have

NOTE Confidence: 0.99898624

00:26:26.300 --> 00:26:27.920 a low risk prostate cancer

NOTE Confidence: 0.9892717

00:26:28.380 --> 00:26:29.820 are being monitored in the

NOTE Confidence: 0.9892717

00:26:29.820 --> 00:26:32.060 United States. At Yale, it's

NOTE Confidence: 0.9892717

00:26:32.060 --> 00:26:33.180 much higher than that, near

NOTE Confidence: 0.9892717

00:26:33.180 --> 00:26:33.840 the majority.

NOTE Confidence: 0.99047345

00:26:34.395 --> 00:26:35.515 And I think people have

NOTE Confidence: 0.99047345

00:26:35.515 --> 00:26:36.395 really come around to that

NOTE Confidence: 0.99047345

00:26:36.395 --> 00:26:37.675 idea. Believe it or not,

NOTE Confidence: 0.99047345

00:26:37.675 --> 00:26:38.635 I don't think it's

NOTE Confidence: 0.99047345

00:26:38.635 --> 00:26:39.755 as hard of a conversation

NOTE Confidence: 0.99047345

00:26:39.755 --> 00:26:40.895 as it used to be.

NOTE Confidence: 0.9757309

00:26:41.195 --> 00:26:42.715 And I think, hopefully, our

NOTE Confidence: 0.9757309

00:26:42.715 --> 00:26:44.335 patients are understanding that,

NOTE Confidence: 0.9966768

00:26:44.795 --> 00:26:46.475 this is really grounded in

NOTE Confidence: 0.9966768

00:26:46.475 --> 00:26:47.675 evidence. There have been large

NOTE Confidence: 0.9966768

00:26:47.675 --> 00:26:49.515 trials that have randomized people

NOTE Confidence: 0.9966768

00:26:49.515 --> 00:26:51.760 to have surgery, radiation, or

NOTE Confidence: 0.9966768

00:26:51.760 --> 00:26:54.020 carefully monitor their prostate cancer.

NOTE Confidence: 0.97277796

00:26:54.400 --> 00:26:55.520 And for up to fifteen

NOTE Confidence: 0.97277796

00:26:55.520 --> 00:26:57.119 years of follow-up, there was

NOTE Confidence: 0.97277796

00:26:57.119 --> 00:26:58.900 no difference in survival between

NOTE Confidence: 0.97277796

00:26:58.960 --> 00:27:00.020 surgery, radiation,

NOTE Confidence: 0.999602

00:27:00.320 --> 00:27:01.380 or careful monitoring

NOTE Confidence: 0.97782475

00:27:01.840 --> 00:27:03.040 with about a ninety nine

NOTE Confidence: 0.97782475

00:27:03.040 --> 00:27:04.400 percent survival in all of

NOTE Confidence: 0.97782475

00:27:04.400 --> 00:27:05.755 those groups. And I guess

NOTE Confidence: 0.97782475

00:27:05.755 --> 00:27:06.715 the one thing we have

NOTE Confidence: 0.97782475

00:27:06.715 --> 00:27:07.835 to remember is that when

NOTE Confidence: 0.97782475

00:27:07.835 --> 00:27:09.915 we're doing active surveillance or

NOTE Confidence: 0.97782475

00:27:09.915 --> 00:27:11.835 careful monitoring, that does involve

NOTE Confidence: 0.97782475

00:27:11.835 --> 00:27:12.335 monitoring.

NOTE Confidence: 0.98187774

00:27:12.875 --> 00:27:14.155 And we have to

NOTE Confidence: 0.98187774

00:27:14.155 --> 00:27:15.275 have systems to

NOTE Confidence: 0.98187774

00:27:15.275 --> 00:27:16.315 make sure that people come

NOTE Confidence: 0.98187774

00:27:16.315 --> 00:27:18.234 back and have that

NOTE Confidence: 0.98187774

00:27:18.234 --> 00:27:18.734 monitoring

NOTE Confidence: 0.9933955

00:27:19.420 --> 00:27:20.780 to keep them from getting

NOTE Confidence: 0.9933955

00:27:20.780 --> 00:27:22.080 into any kind of difficulty.

NOTE Confidence: 0.98410654

00:27:22.619 --> 00:27:23.820 That's exactly right. And that's

NOTE Confidence: 0.98410654

00:27:23.820 --> 00:27:24.859 a challenge. You know, we

NOTE Confidence: 0.98410654

00:27:24.859 --> 00:27:26.140 published a paper on that

NOTE Confidence: 0.98410654

00:27:26.140 --> 00:27:27.900 last year looking at the

NOTE Confidence: 0.98410654

00:27:27.900 --> 00:27:29.420 state of monitoring in the

NOTE Confidence: 0.98410654

00:27:29.420 --> 00:27:31.100 Medicare population, and there are

NOTE Confidence: 0.98410654

00:27:31.100 --> 00:27:31.900 a lot of folks who

NOTE Confidence: 0.98410654

00:27:31.900 --> 00:27:33.675 start active surveillance who do

NOTE Confidence: 0.98410654

00:27:33.675 --> 00:27:34.955 not go back for an

NOTE Confidence: 0.98410654

00:27:34.955 --> 00:27:37.055 additional test or additional testing.

NOTE Confidence: 0.9960598

00:27:37.995 --> 00:27:39.995 And so we are leading

NOTE Confidence: 0.9960598

00:27:39.995 --> 00:27:41.435 efforts and really interested in

NOTE Confidence: 0.9960598

00:27:41.435 --> 00:27:42.475 ways that we can make

NOTE Confidence: 0.9960598

00:27:42.475 --> 00:27:43.695 things better,

NOTE Confidence: 0.9966812

00:27:44.475 --> 00:27:45.755 to put systems in place

NOTE Confidence: 0.9966812

00:27:45.755 --> 00:27:46.895 that promote

NOTE Confidence: 0.83842415

00:27:47.195 --> 00:27:47.695 recall,

NOTE Confidence: 0.9984787

00:27:48.450 --> 00:27:49.730 and do this more

NOTE Confidence: 0.9984787

00:27:49.730 --> 00:27:50.230 safely.

NOTE Confidence: 0.9977936

00:27:50.850 --> 00:27:52.530 So in our last minute,

NOTE Confidence: 0.9977936

00:27:52.530 --> 00:27:53.590 if you could just

NOTE Confidence: 0.9986137

00:27:54.049 --> 00:27:54.549 comment

NOTE Confidence: 0.9975102

00:27:55.090 --> 00:27:55.590 briefly

NOTE Confidence: 0.98916537

00:27:56.369 --> 00:27:58.609 about prostate cancer in younger

NOTE Confidence: 0.98916537

00:27:58.609 --> 00:28:00.530 individuals.

NOTE Confidence: 0.98916537

00:28:00.530 --> 00:28:02.130 In general it's a disease of people who

NOTE Confidence: 0.98916537

00:28:02.130 --> 00:28:02.869 get older.

NOTE Confidence: 0.9834337

00:28:03.664 --> 00:28:05.024 You talked about screening in

NOTE Confidence: 0.9834337

00:28:05.024 --> 00:28:06.865 people fifty five to sixty

NOTE Confidence: 0.9834337

00:28:06.865 --> 00:28:07.365 nine,

NOTE Confidence: 0.99543464

00:28:07.904 --> 00:28:09.825 but there are occasionally younger

NOTE Confidence: 0.99543464

00:28:09.825 --> 00:28:11.845 people with prostate cancer. And

NOTE Confidence: 0.9685214

00:28:12.544 --> 00:28:13.825 how common is that, or

NOTE Confidence: 0.9685214

00:28:13.825 --> 00:28:15.184 is it just so uncommon

NOTE Confidence: 0.9685214

00:28:15.184 --> 00:28:17.040 we shouldn't even talk about it?

NOTE Confidence: 0.9685214

00:28:17.180 --> 00:28:18.380 Absolutely. No. it is

00:28:19.260 --> 00:28:20.220 more and more common. We

NOTE Confidence: 0.9685214

00:28:20.220 --> 00:28:21.340 are doing more screening in

NOTE Confidence: 0.9685214

00:28:21.340 --> 00:28:22.380 younger people, which I think

NOTE Confidence: 0.9685214

00:28:22.380 --> 00:28:23.340 is a good thing because

NOTE Confidence: 0.9685214

00:28:23.340 --> 00:28:24.960 we are finding aggressive cancers

NOTE Confidence: 0.9685214

00:28:25.020 --> 00:28:25.520 earlier.

NOTE Confidence: 0.99081355

00:28:25.820 --> 00:28:27.180 It's a very different approach.

NOTE Confidence: 0.99081355

00:28:27.180 --> 00:28:28.460 I think the considerations are

NOTE Confidence: 0.99081355

00:28:28.460 --> 00:28:29.500 very different for a younger

NOTE Confidence: 0.99081355

00:28:29.500 --> 00:28:30.880 person who may be considering

NOTE Confidence: 0.99081355

00:28:31.100 --> 00:28:31.600 fertility,

NOTE Confidence: 0.99568874

00:28:32.435 --> 00:28:32.935 who

00:28:34.275 --> 00:28:36.115 urinary and sexual function, the

NOTE Confidence: 0.981987

00:28:36.115 --> 00:28:37.075 stakes are a little bit

NOTE Confidence: 0.981987

00:28:37.075 --> 00:28:37.575 different.

NOTE Confidence: 0.9774445

00:28:37.875 --> 00:28:39.395 Doctor Michael Leapman is an

NOTE Confidence: 0.9774445

00:28:39.395 --> 00:28:41.155 associate professor of urology at

NOTE Confidence: 0.9774445

00:28:41.155 --> 00:28:42.455 the Yale School of Medicine.

NOTE Confidence: 0.9686242

00:28:42.995 --> 00:28:44.355 If you have questions, the

NOTE Confidence: 0.9686242

00:28:44.355 --> 00:28:45.955 address is cancer answers at

NOTE Confidence: 0.9686242

00:28:45.955 --> 00:28:47.250 yale dot e d u,

NOTE Confidence: 0.9686242

00:28:47.330 --> 00:28:48.530 and past editions of the

NOTE Confidence: 0.9686242

00:28:48.530 --> 00:28:50.310 program are available in audio

NOTE Confidence: 0.9686242

00:28:50.370 --> 00:28:51.570 and written form at yale

NOTE Confidence: 0.9686242

00:28:51.570 --> 00:28:53.490 cancer center dot org. We

NOTE Confidence: 0.9686242

00:28:53.490 --> 00:28:54.450 hope you'll join us next

NOTE Confidence: 0.9686242

00:28:54.450 --> 00:28:55.490 time to learn more about

NOTE Confidence: 0.9686242

00:28:55.490 --> 00:28:56.630 the fight against cancer.

NOTE Confidence: 0.9350378

00:28:57.010 --> 00:28:58.770 Funding for Yale Cancer Answers

NOTE Confidence: 0.9350378

00:28:58.770 --> 00:29:00.450 is provided by Smilow Cancer

NOTE Confidence: 0.9350378

00:29:00.450 --> 00:29:00.950 Hospital.