WEBVTT

NOTE duration:"01:04:42"

NOTE recognizability:0.802

NOTE language:en-us

NOTE Confidence: 0.8990328025

00:00:00.000 --> 00:00:04.960 Oh, it's really exciting.

NOTE Confidence: 0.8990328025

00:00:04.960 --> 00:00:07.369 Super, super exciting.

NOTE Confidence: 0.8990328025

00:00:07.370 --> 00:00:11.620 Thank you guys for being the kickoff.

NOTE Confidence: 0.8990328025

00:00:11.620 --> 00:00:13.210 Yeah, and who knew

NOTE Confidence: 0.8388181925

00:00:13.270 --> 00:00:15.270 that September 6th was the

NOTE Confidence: 0.8388181925

00:00:15.270 --> 00:00:18.700 day after Labor Day? OK.

NOTE Confidence: 0.674803618333333

00:00:21.130 --> 00:00:22.870 Karen, I didn't tell you yet.

NOTE Confidence: 0.674803618333333

00:00:22.870 --> 00:00:24.328 I got covered over the weekend,

NOTE Confidence: 0.674803618333333

00:00:24.330 --> 00:00:29.590 so I'm COVID recovering now. You

NOTE Confidence: 0.863260804285714

00:00:29.600 --> 00:00:32.820 are in the ranks of the proud

NOTE Confidence: 0.863260804285714

00:00:32.820 --> 00:00:36.448 who who held out for that full 2

NOTE Confidence: 0.863260804285714

00:00:36.448 --> 00:00:39.270 1/2 years before going down now.

NOTE Confidence: 0.639588868

00:00:40.310 --> 00:00:43.455 With a really, really long Oh my goodness,

NOTE Confidence: 0.639588868

00:00:43.455 --> 00:00:47.540 OK, we are live actually. OK.

NOTE Confidence: 0.66224873

00:00:49.010 --> 00:00:51.322 Well, welcome everybody tonight to

NOTE Confidence: 0.66224873

00:00:51.322 --> 00:00:54.250 to Smilo shares with primary care.

NOTE Confidence: 0.814045236666667

00:00:54.250 --> 00:00:58.104 It's our kickoff. Wait just a few

NOTE Confidence: 0.814045236666667

00:00:58.104 --> 00:00:59.820 minutes so that people can join.

NOTE Confidence: 0.928221058333333

00:01:50.820 --> 00:01:52.080 Before we get started,

NOTE Confidence: 0.928221058333333

00:01:52.080 --> 00:01:55.132 I see we have about 14 people did did.

NOTE Confidence: 0.928221058333333

00:01:55.132 --> 00:01:57.092 Maybe you can answer the

NOTE Confidence: 0.928221058333333

00:01:57.092 --> 00:01:58.660 question and the answer.

NOTE Confidence: 0.928221058333333

00:01:58.660 --> 00:02:00.835 Did anybody have a difficult

NOTE Confidence: 0.928221058333333

00:02:00.835 --> 00:02:02.575 have difficulty logging on?

NOTE Confidence: 0.928221058333333

00:02:02.580 --> 00:02:03.580 Through the zoom link.

NOTE Confidence: 0.793485292666667

00:02:05.730 --> 00:02:08.278 If anybody did, please please just give

NOTE Confidence: 0.793485292666667

00:02:08.278 --> 00:02:11.160 us this the the feedback in the Q&A.

NOTE Confidence: 0.86392605

00:02:17.780 --> 00:02:20.126 And then if you might be asking the

NOTE Confidence: 0.86392605

00:02:20.126 --> 00:02:22.660 wrong people, I know. They got on.

NOTE Confidence: 0.814139666666667

00:02:27.470 --> 00:02:28.598 Is 16126 and

NOTE Confidence: 0.825465791428571

00:02:30.070 --> 00:02:33.416 Dan, can you go on mute please?

NOTE Confidence: 0.825465791428571

00:02:33.420 --> 00:02:35.380 Thanks. OK. All right, well,

NOTE Confidence: 0.825465791428571

00:02:35.380 --> 00:02:37.575 let's get started because we

NOTE Confidence: 0.825465791428571

00:02:37.575 --> 00:02:40.600 have a lot going on tonight.

NOTE Confidence: 0.825465791428571

00:02:40.600 --> 00:02:42.160 My name is Anne Chang.

NOTE Confidence: 0.825465791428571

00:02:42.160 --> 00:02:44.240 I'm a medical oncologist

NOTE Confidence: 0.825465791428571

00:02:44.240 --> 00:02:46.840 and deputy CMO for Smilo,

NOTE Confidence: 0.825465791428571

00:02:46.840 --> 00:02:49.096 and I've been working very closely

NOTE Confidence: 0.825465791428571

00:02:49.096 --> 00:02:51.699 with Karen Brown and Ryan O'Connell.

NOTE Confidence: 0.825465791428571

00:02:51.700 --> 00:02:53.278 I'll let you guys introduce yourselves.

NOTE Confidence: 0.648880112

00:02:54.800 --> 00:02:56.080 Good. So I'm Karen brown.

NOTE Confidence: 0.648880112

00:02:56.080 --> 00:02:58.612 I'm the medical director of primary

NOTE Confidence: 0.648880112

00:02:58.612 --> 00:03:01.063 care for Northeast Medical Group and

NOTE Confidence: 0.648880112

00:03:01.063 --> 00:03:03.492 thrilled to see this series get Off.

NOTE Confidence: 0.648880112

00:03:03.500 --> 00:03:05.828 Ryan O'Connell, General Internist

NOTE Confidence: 0.501009803333333

00:03:05.840 --> 00:03:06.968 at NE Medical

NOTE Confidence: 0.746124005

00:03:06.980 --> 00:03:10.330 Group know I think most everyone,

NOTE Confidence: 0.746124005

00:03:10.330 --> 00:03:12.530 but for those I haven't met, thank you.

NOTE Confidence: 0.746124005

00:03:12.530 --> 00:03:15.432 And really a special shout out to Ann

NOTE Confidence: 0.746124005

00:03:15.432 --> 00:03:18.446 Karen and to all the panelists who have

NOTE Confidence: 0.746124005

00:03:18.446 --> 00:03:21.553 really worked hard to make this really

NOTE Confidence: 0.746124005

00:03:21.553 --> 00:03:23.437 meaningful and highly educational.

NOTE Confidence: 0.746124005

00:03:23.440 --> 00:03:24.289 I'm really excited.

NOTE Confidence: 0.7201480028

00:03:25.100 --> 00:03:26.788 Great. And Kevin Billinsley,

NOTE Confidence: 0.7201480028

00:03:26.788 --> 00:03:28.898 who's also our course director

NOTE Confidence: 0.7201480028

00:03:28.898 --> 00:03:31.140 but is unable to attend today.

NOTE Confidence: 0.7201480028

00:03:31.140 --> 00:03:35.940 So first just to opening slide,

NOTE Confidence: 0.7201480028

00:03:35.940 --> 00:03:38.700 if you can pull that up, please?

NOTE Confidence: 0.7201480028

00:03:38.700 --> 00:03:40.980 Telling you what this series is,

NOTE Confidence: 0.7201480028

00:03:40.980 --> 00:03:43.068 it's a monthly series.

NOTE Confidence: 0.7201480028

00:03:43.068 --> 00:03:45.156 It's called smilo shares.

NOTE Confidence: 0.7201480028

00:03:45.160 --> 00:03:46.632 Actually. It's called with

NOTE Confidence: 0.7201480028

00:03:46.632 --> 00:03:48.472 primary care for primary care.

NOTE Confidence: 0.7201480028

00:03:48.480 --> 00:03:50.923 I think we ultimately decided with with

NOTE Confidence: 0.7201480028

00:03:50.923 --> 00:03:53.411 primary care and this month is focused

NOTE Confidence: 0.7201480028

00:03:53.411 --> 00:03:55.469 on prostate cancer and each month

NOTE Confidence: 0.7201480028

00:03:55.535 --> 00:03:57.719 it's going to be a different topic.

NOTE Confidence: 0.7201480028

00:03:57.720 --> 00:04:00.174 These are topics that both Karen

NOTE Confidence: 0.7201480028

00:04:00.174 --> 00:04:02.940 and Ryan chose for primary care,

NOTE Confidence: 0.7201480028

00:04:02.940 --> 00:04:04.296 not only for themselves,

NOTE Confidence: 0.7201480028

00:04:04.296 --> 00:04:05.991 but thinking about and talking

NOTE Confidence: 0.7201480028

00:04:05.991 --> 00:04:07.160 to other people.

NOTE Confidence: 0.7201480028

00:04:07.160 --> 00:04:09.680 The designated audience is.

NOTE Confidence: 0.7201480028

00:04:09.680 --> 00:04:11.570 Primary care clinicians.

NOTE Confidence: 0.7201480028

00:04:11.570 --> 00:04:12.704 And our faculty,

NOTE Confidence: 0.7201480028

00:04:12.704 --> 00:04:14.972 we tried to choose people from

NOTE Confidence: 0.7201480028

00:04:14.972 --> 00:04:17.509 a specific geographic region.

NOTE Confidence: 0.7201480028

00:04:17.510 --> 00:04:19.346 So today, we're in Greenwich really,

NOTE Confidence: 0.7201480028

00:04:19.350 --> 00:04:21.510 and focusing on prostate cancer.

NOTE Confidence: 0.7201480028

00:04:21.510 --> 00:04:23.582 And the idea is really to link

NOTE Confidence: 0.7201480028

00:04:23.582 --> 00:04:25.058 up and build relationships

NOTE Confidence: 0.7201480028

00:04:25.058 --> 00:04:27.638 between primary care and smilo

NOTE Confidence: 0.7201480028

00:04:27.638 --> 00:04:29.702 physicians and EMG physicians.

NOTE Confidence: 0.7201480028

00:04:29.710 --> 00:04:31.606 And and this is going to be a

NOTE Confidence: 0.7201480028

00:04:31.606 --> 00:04:32.950 monthly series just like that.

NOTE Confidence: 0.7201480028

00:04:32.950 --> 00:04:34.390 Trust your gut so you can get used

NOTE Confidence: 0.7201480028

00:04:34.390 --> 00:04:36.070 to it and put it on your calendar.

NOTE Confidence: 0.7201480028

00:04:36.070 --> 00:04:38.541 It's going to be the first Tuesday

NOTE Confidence: 0.7201480028

00:04:38.541 --> 00:04:41.339 of the month from 5 to 6 virtually.

NOTE Confidence: 0.7201480028

00:04:41.340 --> 00:04:43.293 And hopefully maybe this year we can

NOTE Confidence: 0.7201480028

00:04:43.293 --> 00:04:45.875 do a few of these in person as well.

NOTE Confidence: 0.7201480028

00:04:45.880 --> 00:04:48.216 And the the Big Y is really as

NOTE Confidence: 0.7201480028

00:04:48.216 --> 00:04:50.673 we were talking about this that

NOTE Confidence: 0.7201480028

00:04:50.673 --> 00:04:53.024 there there's just there's an

NOTE Confidence: 0.7201480028

00:04:53.024 --> 00:04:54.928 explosion of information around

NOTE Confidence: 0.7201480028

00:04:54.928 --> 00:04:57.313 cancer even for oncologists and

NOTE Confidence: 0.7201480028

00:04:57.313 --> 00:04:59.578 I think for primary clinicians.

NOTE Confidence: 0.7201480028

00:04:59.580 --> 00:05:01.460 This is an area where,

NOTE Confidence: 0.7201480028

00:05:01.460 --> 00:05:02.210 you know,

NOTE Confidence: 0.7201480028

00:05:02.210 --> 00:05:03.710 understanding the updated recommendations

NOTE Confidence: 0.7201480028

00:05:03.710 --> 00:05:06.260 and some of the new approaches are

NOTE Confidence: 0.7201480028

00:05:06.260 --> 00:05:08.240 really important to hear about and

NOTE Confidence: 0.7201480028

00:05:08.240 --> 00:05:10.196 while there are lots of different,

NOTE Confidence: 0.7201480028

00:05:10.200 --> 00:05:11.364 you know.

NOTE Confidence: 0.7201480028

00:05:11.364 --> 00:05:13.110 Lectures around cancer,

NOTE Confidence: 0.7201480028

00:05:13.110 --> 00:05:15.895 specifically this this format is

NOTE Confidence: 0.7201480028

00:05:15.895 --> 00:05:18.680 really focused on primary care.

NOTE Confidence: 0.7201480028

00:05:18.680 --> 00:05:20.732 And those questions that are most

NOTE Confidence: 0.7201480028

00:05:20.732 --> 00:05:23.122 most important to you and it'll be

NOTE Confidence: 0.7201480028

00:05:23.122 --> 00:05:25.024 case based tonight we have three

NOTE Confidence: 0.7201480028

00:05:25.024 --> 00:05:27.355 cases that are really going to

NOTE Confidence: 0.7201480028

00:05:27.355 --> 00:05:29.876 highlight those what we thought would

NOTE Confidence: 0.7201480028

00:05:29.876 --> 00:05:32.510 be very topical or very important

NOTE Confidence: 0.7201480028

00:05:32.510 --> 00:05:35.200 questions that you run that you come

NOTE Confidence: 0.7201480028

00:05:35.200 --> 00:05:37.737 across in clinic and to highlight

NOTE Confidence: 0.7201480028

00:05:37.737 --> 00:05:41.083 the clinical pearls from our our faculty.

NOTE Confidence: 0.7201480028

00:05:41.090 --> 00:05:43.120 So let's go to the next slide.

NOTE Confidence: 0.7201480028

00:05:43.120 --> 00:05:43.618 Ohh,

NOTE Confidence: 0.7201480028

00:05:43.618 --> 00:05:45.610 this is the agenda.

NOTE Confidence: 0.7201480028

00:05:45.610 --> 00:05:47.339 So we're going to do the the

NOTE Confidence: 0.7201480028

00:05:47.339 --> 00:05:48.080 three case presentations.

NOTE Confidence: 0.7201480028

00:05:48.080 --> 00:05:50.132 We will have some time for

NOTE Confidence: 0.7201480028

00:05:50.132 --> 00:05:52.130 for a question to answer.

NOTE Confidence: 0.7201480028

00:05:52.130 --> 00:05:54.664 Each one will take about 15 minutes.

NOTE Confidence: 0.7201480028

00:05:54.670 --> 00:05:57.382 So we'll encourage you guys to

NOTE Confidence: 0.7201480028

00:05:57.382 --> 00:06:00.070 put your questions in the chat.

NOTE Confidence: 0.7201480028

00:06:00.070 --> 00:06:02.310 Some of those may be answered as we go along.

NOTE Confidence: 0.7201480028

00:06:02.310 --> 00:06:03.913 Some of those if if you want

NOTE Confidence: 0.7201480028

00:06:03.913 --> 00:06:05.268 to hold them to the end,

NOTE Confidence: 0.7201480028

00:06:05.270 --> 00:06:07.638 we will hope to have hope to have

NOTE Confidence: 0.7201480028

00:06:07.638 --> 00:06:09.926 a little bit of time at the end.

NOTE Confidence: 0.7201480028

00:06:09.930 --> 00:06:16.090 And then our our terrific faculty is here.

NOTE Confidence: 0.7201480028

00:06:16.090 --> 00:06:17.550 Or you wanna introduce Aaron?

NOTE Confidence: 0.68169218

00:06:21.110 --> 00:06:24.890 Or we have Aaron Culbert, who is an

NOTE Confidence: 0.68169218

00:06:24.890 --> 00:06:27.890 internist in the Greenwich region,

NOTE Confidence: 0.68169218

00:06:27.890 --> 00:06:30.992 well respected by her colleagues and

NOTE Confidence: 0.68169218

00:06:30.992 --> 00:06:34.878 her patients, and turns out to be quite

NOTE Confidence: 0.68169218

00:06:34.878 --> 00:06:36.830 knowledgeable about prostate cancer.

NOTE Confidence: 0.44805566125

00:06:38.690 --> 00:06:40.530 How she's a mother

NOTE Confidence: 0.847561753125

00:06:40.830 --> 00:06:43.602 as well as a physician and has all sorts

NOTE Confidence: 0.847561753125

00:06:43.602 --> 00:06:46.555 of athletic activities as well as well.

NOTE Confidence: 0.588374266666667

00:06:48.550 --> 00:06:50.938 And and next is Bruce Mcgibbon.

NOTE Confidence: 0.588374266666667

00:06:50.940 --> 00:06:52.956 He's already he's been a radiation

NOTE Confidence: 0.588374266666667

00:06:52.956 --> 00:06:54.889 oncologist at Yale for 13 years,

NOTE Confidence: 0.588374266666667

00:06:54.890 --> 00:06:57.282 and he is the medical director of Rad

NOTE Confidence: 0.588374266666667

00:06:57.282 --> 00:06:59.930 ONC at Greenwich for the past three.

NOTE Confidence: 0.588374266666667

00:06:59.930 --> 00:07:01.214 And he's particularly

NOTE Confidence: 0.588374266666667

00:07:01.214 --> 00:07:02.926 interested in prostate cancer,

NOTE Confidence: 0.588374266666667

00:07:02.930 --> 00:07:06.018 also very active and and an owner of

NOTE Confidence: 0.588374266666667

00:07:06.018 --> 00:07:09.826 a new kitten he informed us last week.

NOTE Confidence: 0.588374266666667

00:07:09.830 --> 00:07:11.930 And then my colleague Dan Petrovac,

NOTE Confidence: 0.588374266666667

00:07:11.930 --> 00:07:13.750 who's a medical oncologist,

NOTE Confidence: 0.588374266666667

00:07:13.750 --> 00:07:16.941 he's a professor of medicine and leads

NOTE Confidence: 0.588374266666667

00:07:16.941 --> 00:07:19.594 the Gu cancers for Yale and Smilo.

NOTE Confidence: 0.588374266666667

00:07:19.600 --> 00:07:21.296 Uh, in New Haven.

NOTE Confidence: 0.588374266666667

00:07:21.296 --> 00:07:23.840 He's been in Greenwich for for

NOTE Confidence: 0.588374266666667

00:07:23.937 --> 00:07:27.297 practicing for 10 years as well he is.

NOTE Confidence: 0.588374266666667

00:07:27.300 --> 00:07:30.688 Do you expert these develop new drugs

NOTE Confidence: 0.588374266666667

00:07:30.688 --> 00:07:33.560 he's brought them to FDA approval

NOTE Confidence: 0.588374266666667

00:07:33.560 --> 00:07:36.620 really just known internationally

NOTE Confidence: 0.588374266666667

00:07:36.620 --> 00:07:40.540 and and an amazing clinician and

NOTE Confidence: 0.588374266666667

00:07:40.540 --> 00:07:43.120 and a clinical researcher and also

NOTE Confidence: 0.588374266666667

00:07:43.120 --> 00:07:45.417 very active in tennis and golf.

NOTE Confidence: 0.588374266666667

00:07:45.420 --> 00:07:47.802 And then finally Jerry Portman who

NOTE Confidence: 0.588374266666667

00:07:47.802 --> 00:07:50.739 has been a urologist at Yale for 10

NOTE Confidence: 0.588374266666667

00:07:50.739 --> 00:07:53.152 years in Greenwich for a year and he

NOTE Confidence: 0.588374266666667

00:07:53.152 --> 00:07:55.302 is you know he does generally urology

NOTE Confidence: 0.588374266666667

00:07:55.302 --> 00:07:57.170 but really focuses on urologic.

NOTE Confidence: 0.588374266666667

00:07:57.170 --> 00:07:59.470 Ecology and he loves to travel.

NOTE Confidence: 0.588374266666667

00:07:59.470 --> 00:08:00.140 In fact,

NOTE Confidence: 0.588374266666667

00:08:00.140 --> 00:08:02.150 he was participating on his vacation

NOTE Confidence: 0.588374266666667

00:08:02.150 --> 00:08:04.470 last week in planning of this event.

NOTE Confidence: 0.588374266666667

00:08:04.470 --> 00:08:07.360 So we're going to get going and

NOTE Confidence: 0.588374266666667

00:08:07.360 --> 00:08:09.542 turn it right over to Aaron to

NOTE Confidence: 0.588374266666667

00:08:09.542 --> 00:08:11.663 start us off on the first case.

NOTE Confidence: 0.588374266666667

00:08:11.670 --> 00:08:12.206 Thanks,

NOTE Confidence: 0.588374266666667

00:08:12.206 --> 00:08:12.742 Karen.

NOTE Confidence: 0.588374266666667

00:08:12.742 --> 00:08:13.278 All

NOTE Confidence: 0.898760204

00:08:13.290 --> 00:08:14.424 right. Thank you so much and

NOTE Confidence: 0.898760204

00:08:14.424 --> 00:08:15.638 thank you so much, Karen,

NOTE Confidence: 0.898760204

00:08:15.638 --> 00:08:17.470 for that kind introduction.

NOTE Confidence: 0.898760204

00:08:17.470 --> 00:08:20.966 We're going to start with our first case,

NOTE Confidence: 0.898760204

00:08:20.970 --> 00:08:22.878 pretty typical primary care,

NOTE Confidence: 0.898760204

00:08:22.878 --> 00:08:24.309 bread and butter.

NOTE Confidence: 0.898760204

00:08:24.310 --> 00:08:28.006 We have our 47 year old white male.

NOTE Confidence: 0.898760204

00:08:28.010 --> 00:08:30.430 Nonsmoker patient who presents

NOTE Confidence: 0.898760204

00:08:30.430 --> 00:08:34.060 today for a routine physical exam.

NOTE Confidence: 0.898760204

00:08:34.060 --> 00:08:36.979 When asked, he notes no urinary symptoms,

NOTE Confidence: 0.898760204

00:08:36.980 --> 00:08:38.918 unless of course he has coffee

NOTE Confidence: 0.898760204

00:08:38.918 --> 00:08:40.780 at night right before bedtime,

NOTE Confidence: 0.898760204

00:08:40.780 --> 00:08:42.655 which results in one to

NOTE Confidence: 0.898760204

00:08:42.655 --> 00:08:44.155 two episodes of nocturia.

NOTE Confidence: 0.898760204

00:08:44.160 --> 00:08:46.498 When we questioned him about family history,

NOTE Confidence: 0.898760204

00:08:46.500 --> 00:08:48.999 he relates his father was diagnosed with

NOTE Confidence: 0.898760204

00:08:48.999 --> 00:08:51.740 prostate cancer at the age of 61 and

NOTE Confidence: 0.898760204

00:08:51.740 --> 00:08:53.810 notes that his paternal grandfather was

NOTE Confidence: 0.898760204

00:08:53.810 --> 00:08:55.825 also diagnosed with prostate cancer.

NOTE Confidence: 0.898760204

00:08:55.830 --> 00:08:58.504 Not sure of the age for that.

NOTE Confidence: 0.898760204

00:08:58.510 --> 00:09:00.906 Uh, so he uhm,

NOTE Confidence: 0.898760204

00:09:00.906 --> 00:09:04.500 unless we count that coffee is

NOTE Confidence: 0.898760204

00:09:04.633 --> 00:09:07.976 asymptomatic for urinary symptoms.

NOTE Confidence: 0.898760204

00:09:07.976 --> 00:09:11.468 He expresses concern to us about

NOTE Confidence: 0.898760204

00:09:11.468 --> 00:09:14.508 his family history of prostate

NOTE Confidence: 0.898760204

00:09:14.508 --> 00:09:16.864 cancer and says DOC,

NOTE Confidence: 0.898760204

00:09:16.870 --> 00:09:20.356 can I get screened for prostate cancer?

NOTE Confidence: 0.898760204

00:09:20.360 --> 00:09:24.482 So we are going to talk uh to him.

NOTE Confidence: 0.898760204

00:09:24.490 --> 00:09:28.614 I think it's easier to go through

NOTE Confidence: 0.898760204

00:09:28.614 --> 00:09:30.954 some of the screening recommendations

NOTE Confidence: 0.898760204

00:09:30.954 --> 00:09:33.549 utilizing our care signature pathway

NOTE Confidence: 0.898760204

00:09:33.550 --> 00:09:36.210 for prostate cancer screening.

NOTE Confidence: 0.898760204

00:09:36.210 --> 00:09:39.535 This was a collaboration between

NOTE Confidence: 0.898760204

00:09:39.535 --> 00:09:42.360 our clinicians also involved

NOTE Confidence: 0.898760204

00:09:42.360 --> 00:09:45.432 review of a lot of the evidence

NOTE Confidence: 0.898760204

00:09:45.432 --> 00:09:48.676 that's available as well.

NOTE Confidence: 0.898760204

00:09:48.680 --> 00:09:50.942 Consideration of the

NOTE Confidence: 0.898760204

00:09:50.942 --> 00:09:52.450 national recommendations,

NOTE Confidence: 0.898760204

00:09:52.450 --> 00:09:54.655 I think Mike Lehman was involved as

NOTE Confidence: 0.898760204

00:09:54.655 --> 00:09:57.142 well as our other affiliated urologists

NOTE Confidence: 0.898760204

00:09:57.142 --> 00:09:59.520 were involved in developing this pathway

NOTE Confidence: 0.898760204

00:09:59.520 --> 00:10:02.329 and keeping it as up to date as we

NOTE Confidence: 0.898760204

00:10:02.329 --> 00:10:04.273 can with the change in recommendations.

NOTE Confidence: 0.898760204

00:10:04.280 --> 00:10:06.408 Certainly since 2018 there's

NOTE Confidence: 0.898760204

00:10:06.408 --> 00:10:09.114 been a lot of changes,

NOTE Confidence: 0.898760204

00:10:09.114 --> 00:10:12.558 especially with the Class C recommendation

NOTE Confidence: 0.898760204

00:10:12.558 --> 00:10:15.074 for prostate cancer screening for

NOTE Confidence: 0.898760204

00:10:15.074 --> 00:10:18.570 patients 55 to 69 and a lot of debate.

NOTE Confidence: 0.898760204

00:10:18.570 --> 00:10:19.998 Revolve revolving around the

NOTE Confidence: 0.898760204

00:10:19.998 --> 00:10:21.426 prostate specific antigen as

NOTE Confidence: 0.898760204

00:10:21.426 --> 00:10:23.348 well as digital rectal exams.

NOTE Confidence: 0.898760204

00:10:23.350 --> 00:10:26.266 So we'll go through that as if you were

NOTE Confidence: 0.898760204

00:10:26.266 --> 00:10:29.098 in the room talking to your patient,

NOTE Confidence: 0.898760204

00:10:29.098 --> 00:10:31.394 going through the pathway to

NOTE Confidence: 0.898760204

00:10:31.394 --> 00:10:33.814 evaluate his prostate cancer risk

NOTE Confidence: 0.898760204

00:10:33.814 --> 00:10:36.720 and go through the screening.

NOTE Confidence: 0.890879757142857

00:10:38.770 --> 00:10:41.745 So we have our test patient here.

NOTE Confidence: 0.890879757142857

00:10:41.750 --> 00:10:43.325 Karen's kind enough to drive for me,

NOTE Confidence: 0.890879757142857

00:10:43.330 --> 00:10:45.770 so she's going to open up that pathway.

NOTE Confidence: 0.890879757142857

00:10:45.770 --> 00:10:47.450 So this is how it would look

NOTE Confidence: 0.890879757142857

00:10:47.450 --> 00:10:50.978 if you were in doing your note.

NOTE Confidence: 0.890879757142857

00:10:50.980 --> 00:10:52.980 If you type in prostate,

NOTE Confidence: 0.890879757142857

00:10:52.980 --> 00:10:56.305 not prostate, uh, it will come up

NOTE Confidence: 0.890879757142857

00:10:56.305 --> 00:10:59.410 with the prostate cancer screening.

NOTE Confidence: 0.890879757142857

00:10:59.410 --> 00:11:01.150 Pathway or you wanna click on

NOTE Confidence: 0.890879757142857

00:11:01.150 --> 00:11:02.310 that initial screening pathway?

NOTE Confidence: 0.10259658

00:11:04.680 --> 00:11:08.180 And it will open up.

NOTE Confidence: 0.10259658

00:11:08.180 --> 00:11:09.768 Obviously the entire pathway,

NOTE Confidence: 0.10259658

00:11:09.768 --> 00:11:13.100 she's gonna fit it to our screen here.

NOTE Confidence: 0.10259658

00:11:13.100 --> 00:11:16.439 So we're gonna go through uh and see our,

NOTE Confidence: 0.10259658

00:11:16.440 --> 00:11:17.907 our our case,

NOTE Confidence: 0.10259658

00:11:17.907 --> 00:11:21.330 uh for today was 47 years old.

NOTE Confidence: 0.10259658

00:11:21.330 --> 00:11:23.229 Karen, if you want to open up the authors,

NOTE Confidence: 0.10259658

00:11:23.230 --> 00:11:25.732 I think you want to give full credit to

NOTE Confidence: 0.10259658

00:11:25.732 --> 00:11:27.910 the contributors for the pathway content,

NOTE Confidence: 0.10259658

00:11:27.910 --> 00:11:30.133 because I know this took a lot of work.

NOTE Confidence: 0.10259658

00:11:30.140 --> 00:11:31.740 Uh, so there's our list.

NOTE Confidence: 0.10259658

00:11:31.740 --> 00:11:33.390 Mike Leitman up at the top,

NOTE Confidence: 0.10259658

00:11:33.390 --> 00:11:35.315 an extra bacus who's from

NOTE Confidence: 0.10259658

00:11:35.315 --> 00:11:37.240 the Greenwich region as well,

NOTE Confidence: 0.10259658

00:11:37.240 --> 00:11:39.478 Jerry Portman, who's with us today,

NOTE Confidence: 0.10259658

00:11:39.480 --> 00:11:41.886 Karen Brown who's with us today,

NOTE Confidence: 0.10259658

00:11:41.890 --> 00:11:43.500 as well as a host of others.

NOTE Confidence: 0.10259658

00:11:43.500 --> 00:11:45.636 So thank you very much for making this

NOTE Confidence: 0.10259658

00:11:45.636 --> 00:11:47.919 easy to use on the primary care side.

NOTE Confidence: 0.873033107777778

00:11:50.060 --> 00:11:52.215 Alright. So we're going to

NOTE Confidence: 0.873033107777778

00:11:52.215 --> 00:11:53.939 go through the pathway.

NOTE Confidence: 0.873033107777778

00:11:53.940 --> 00:11:55.512 We're going to spend a little

NOTE Confidence: 0.873033107777778

00:11:55.512 --> 00:11:57.205 bit of time here because it

NOTE Confidence: 0.873033107777778

00:11:57.205 --> 00:11:58.957 does open up into some detail.

NOTE Confidence: 0.873033107777778

00:11:58.960 --> 00:12:01.200 We're going to talk about some risk factors.

NOTE Confidence: 0.873033107777778

00:12:01.200 --> 00:12:03.866 We're going to go through as well,

NOTE Confidence: 0.873033107777778

00:12:03.866 --> 00:12:05.970 OK, if we check the PSA and it

NOTE Confidence: 0.873033107777778

00:12:06.037 --> 00:12:08.059 comes back at a certain level.

NOTE Confidence: 0.873033107777778

00:12:08.060 --> 00:12:10.592 So we'll give you a whole

NOTE Confidence: 0.873033107777778

00:12:10.592 --> 00:12:11.858 pathway overview here.

NOTE Confidence: 0.873033107777778

00:12:11.860 --> 00:12:13.600 So our patient is 47,

NOTE Confidence: 0.873033107777778

00:12:13.600 --> 00:12:17.919 he meets the criteria being above 40.

NOTE Confidence: 0.873033107777778

00:12:17.920 --> 00:12:19.600 So we'll consider prostate

NOTE Confidence: 0.873033107777778

00:12:19.600 --> 00:12:21.280 cancer screening for him.

NOTE Confidence: 0.873033107777778

00:12:21.280 --> 00:12:23.933 It's important to note this does not

NOTE Confidence: 0.873033107777778

00:12:23.933 --> 00:12:26.649 apply to patients who have a prior

NOTE Confidence: 0.873033107777778

00:12:26.649 --> 00:12:29.400 prostate biopsy with a high grade

NOTE Confidence: 0.873033107777778

00:12:29.400 --> 00:12:31.900 neoplasia or atypical cell proliferation.

NOTE Confidence: 0.873033107777778

00:12:31.900 --> 00:12:34.294 We also want to double check that our patient

NOTE Confidence: 0.873033107777778

00:12:34.294 --> 00:12:37.520 has a greater than 10 year life expectancy.

NOTE Confidence: 0.873033107777778

00:12:37.520 --> 00:12:39.040 Our patient is healthy,

NOTE Confidence: 0.873033107777778

00:12:39.040 --> 00:12:40.940 has no other medical comorbidities

NOTE Confidence: 0.873033107777778

00:12:40.940 --> 00:12:42.049 that we know of.

NOTE Confidence: 0.873033107777778

00:12:42.050 --> 00:12:44.660 Uh, and he is younger than 75 years old.

NOTE Confidence: 0.873033107777778

00:12:44.660 --> 00:12:47.453 So we're gonna proceed down that pathway

NOTE Confidence: 0.873033107777778

00:12:47.453 --> 00:12:50.338 and then we go to risk factors which

NOTE Confidence: 0.873033107777778

00:12:50.338 --> 00:12:53.500 I want to spend a little bit of time

NOTE Confidence: 0.873033107777778

00:12:53.500 --> 00:12:55.858 about certainly African American descent,

NOTE Confidence: 0.873033107777778

00:12:55.858 --> 00:12:57.846 we need to note.

NOTE Confidence: 0.873033107777778

00:12:57.850 --> 00:13:00.265 So on our initial case presentation slide,

NOTE Confidence: 0.873033107777778

00:13:00.270 --> 00:13:02.391 you know if he were African American

NOTE Confidence: 0.873033107777778

00:13:02.391 --> 00:13:04.681 that would be an additional risk factor

NOTE Confidence: 0.873033107777778

00:13:04.681 --> 00:13:07.258 on top of his family history and it

NOTE Confidence: 0.873033107777778

00:13:07.258 --> 00:13:09.690 gives you the incidence rates as as well,

NOTE Confidence: 0.873033107777778

00:13:09.690 --> 00:13:11.310 but it it's quite elevated.

NOTE Confidence: 0.873033107777778

00:13:11.310 --> 00:13:12.114 So they.

NOTE Confidence: 0.873033107777778

00:13:12.114 --> 00:13:14.124 That population should definitely be

NOTE Confidence: 0.873033107777778

00:13:14.124 --> 00:13:16.551 screened at an earlier age greater

NOTE Confidence: 0.873033107777778

00:13:16.551 --> 00:13:19.428 than one or one or greater first

NOTE Confidence: 0.873033107777778

00:13:19.428 --> 00:13:22.146 degree relative within the history of

NOTE Confidence: 0.873033107777778

00:13:22.146 --> 00:13:24.876 prostate cancer on either side actually.

NOTE Confidence: 0.873033107777778

00:13:24.880 --> 00:13:27.164 So maternal and paternal

NOTE Confidence: 0.873033107777778

00:13:27.164 --> 00:13:30.019 diagnosed that less than 65.

NOTE Confidence: 0.873033107777778

00:13:30.020 --> 00:13:34.108 Family history of other cancers is important.

NOTE Confidence: 0.873033107777778

00:13:34.110 --> 00:13:35.750 You want to consider not

NOTE Confidence: 0.873033107777778

00:13:35.750 --> 00:13:36.734 only prostate cancer,

NOTE Confidence: 0.873033107777778

00:13:36.740 --> 00:13:39.547 but you do want to consider breast

NOTE Confidence: 0.873033107777778

00:13:39.547 --> 00:13:42.589 cancer either male or female colorectal.

NOTE Confidence: 0.873033107777778

00:13:42.590 --> 00:13:45.218 I think Melanoma is on that

NOTE Confidence: 0.873033107777778

00:13:45.218 --> 00:13:48.056 list or it was ovarian,

NOTE Confidence: 0.873033107777778

00:13:48.056 --> 00:13:49.142 pancreatic,

NOTE Confidence: 0.873033107777778

00:13:49.142 --> 00:13:51.810 uterine and then it expands down

NOTE Confidence: 0.873033107777778

00:13:51.810 --> 00:13:54.229 at the bottom if you have two

NOTE Confidence: 0.873033107777778

00:13:54.229 --> 00:13:56.521 or more first or second degree

NOTE Confidence: 0.873033107777778

00:13:56.521 --> 00:13:58.370 relatives with cancer at any age,

NOTE Confidence: 0.873033107777778

00:13:58.370 --> 00:14:02.156 so if you have multiple relatives.

NOTE Confidence: 0.873033107777778

00:14:02.160 --> 00:14:03.978 They will also count for you.

NOTE Confidence: 0.873033107777778

00:14:03.980 --> 00:14:06.899 So he does have a family history

NOTE Confidence: 0.873033107777778

00:14:06.899 --> 00:14:09.460 of prostate cancer and his father.

NOTE Confidence: 0.873033107777778

00:14:09.460 --> 00:14:10.821 So we're going to say, yes,

NOTE Confidence: 0.873033107777778

00:14:10.821 --> 00:14:14.509 he's a high risk patient and then we'll

NOTE Confidence: 0.873033107777778

00:14:14.509 --> 00:14:17.756 initiate shared decision making for him.

NOTE Confidence: 0.873033107777778

00:14:17.760 --> 00:14:19.937 I'm going to come back to that.

NOTE Confidence: 0.873033107777778

00:14:19.940 --> 00:14:20.664 Thank you.

NOTE Confidence: 0.873033107777778

00:14:20.664 --> 00:14:22.836 There's a bunch of resources there.

NOTE Confidence: 0.873033107777778

00:14:22.840 --> 00:14:26.026 I did want to touch on the germline mutations

NOTE Confidence: 0.873033107777778

00:14:26.026 --> 00:14:29.136 and the genetic testing that's available,

NOTE Confidence: 0.873033107777778

00:14:29.140 --> 00:14:32.340 so not.

NOTE Confidence: 0.873033107777778

00:14:32.340 --> 00:14:34.140 Not very common to talk about.

NOTE Confidence: 0.873033107777778

00:14:34.140 --> 00:14:35.740 It's something that Yale offers

NOTE Confidence: 0.873033107777778

00:14:35.740 --> 00:14:37.747 for our patients, which is great.

NOTE Confidence: 0.873033107777778

00:14:37.747 --> 00:14:39.841 If you click that hyperlink that

NOTE Confidence: 0.873033107777778

00:14:39.841 --> 00:14:42.100 says referral to cancer genetics,

NOTE Confidence: 0.873033107777778

00:14:42.100 --> 00:14:44.650 it'll automatically bring up to sign

NOTE Confidence: 0.873033107777778

00:14:44.650 --> 00:14:47.938 off on that ambulatory referral to genetics,

NOTE Confidence: 0.873033107777778

00:14:47.940 --> 00:14:49.360 type in the referral reason,

NOTE Confidence: 0.873033107777778

00:14:49.360 --> 00:14:50.722 send it off.

NOTE Confidence: 0.873033107777778

00:14:50.722 --> 00:14:53.446 There's also a Yale Generations project

NOTE Confidence: 0.873033107777778

00:14:53.446 --> 00:14:56.406 which you can offer to your patients,

NOTE Confidence: 0.873033107777778

00:14:56.410 --> 00:14:58.720 which is a DNA sequencing project

NOTE Confidence: 0.873033107777778

00:14:58.720 --> 00:15:00.520 that's free to participate in,

NOTE Confidence: 0.873033107777778

00:15:00.520 --> 00:15:02.668 provides a lot of genetic screening.

NOTE Confidence: 0.873033107777778

00:15:02.670 --> 00:15:05.560 Uh, opportunities?

NOTE Confidence: 0.873033107777778

00:15:05.560 --> 00:15:07.660 And Karen just pull and pull

NOTE Confidence: 0.873033107777778

00:15:07.660 --> 00:15:09.840 up our our flyer for that.

NOTE Confidence: 0.8377870025

00:15:09.840 --> 00:15:13.669 So that is definitely available to our

NOTE Confidence: 0.8377870025

00:15:13.669 --> 00:15:16.380 patients either blood or saliva testing.

NOTE Confidence: 0.8377870025

00:15:16.380 --> 00:15:18.510 And then patients will get that

NOTE Confidence: 0.8377870025

00:15:18.510 --> 00:15:21.345 results and have a nice QR code they

NOTE Confidence: 0.8377870025

00:15:21.345 --> 00:15:23.780 can scan to get involved with that.

NOTE Confidence: 0.8377870025

00:15:23.780 --> 00:15:25.900 So we can print that and give that to our

NOTE Confidence: 0.8377870025

00:15:25.955 --> 00:15:28.187 patients or just click on that link and scan

NOTE Confidence: 0.8377870025

00:15:28.187 --> 00:15:31.818 the QR code in the visit, which is nice.

NOTE Confidence: 0.8377870025

00:15:31.820 --> 00:15:34.140 In terms of genetic testing,

NOTE Confidence: 0.8377870025

00:15:34.140 --> 00:15:36.880 BRCA gene testing is important.

NOTE Confidence: 0.8377870025

00:15:36.880 --> 00:15:40.740 And then there's additional.

NOTE Confidence: 0.8377870025

00:15:40.740 --> 00:15:42.235 Remind mutations that if you

NOTE Confidence: 0.8377870025

00:15:42.235 --> 00:15:43.730 Scroll down and click on,

NOTE Confidence: 0.8377870025

00:15:43.730 --> 00:15:45.598 that germline mutations line

NOTE Confidence: 0.8377870025

00:15:45.598 --> 00:15:47.380 up right above Karen.

NOTE Confidence: 0.86268735

00:15:49.660 --> 00:15:52.092 There's also additional testing

NOTE Confidence: 0.86268735

00:15:52.092 --> 00:15:54.524 related to Lynch syndrome.

NOTE Confidence: 0.86268735

00:15:54.530 --> 00:15:55.940 I think the ATM gene,

NOTE Confidence: 0.86268735

00:15:55.940 --> 00:15:58.884 there's a few genes that we know are

NOTE Confidence: 0.86268735

00:15:58.884 --> 00:16:02.180 linked to higher risk of prostate cancer.

NOTE Confidence: 0.86268735

00:16:02.180 --> 00:16:06.260 So when it comes to shared decision making,

NOTE Confidence: 0.86268735

00:16:06.260 --> 00:16:09.395 while I'm in the room with my patients,

NOTE Confidence: 0.86268735

00:16:09.395 --> 00:16:11.320 you can open this up.

NOTE Confidence: 0.86268735

00:16:11.320 --> 00:16:13.072 I know everybody has a different

NOTE Confidence: 0.86268735

00:16:13.072 --> 00:16:14.240 report with their patients,

NOTE Confidence: 0.86268735

00:16:14.240 --> 00:16:16.335 but basically the important thing

NOTE Confidence: 0.86268735

00:16:16.335 --> 00:16:18.880 is to let the patients know.

NOTE Confidence: 0.86268735

00:16:18.880 --> 00:16:21.144 What the recommendations are,

NOTE Confidence: 0.86268735

00:16:21.144 --> 00:16:24.538 uh, what the testing is,

NOTE Confidence: 0.86268735

00:16:24.538 --> 00:16:28.580 as well as the risks of the testing.

NOTE Confidence: 0.86268735

00:16:28.580 --> 00:16:31.240 So there's a lot of great handouts

NOTE Confidence: 0.86268735

00:16:31.240 --> 00:16:33.289 from the American Cancer Society

NOTE Confidence: 0.86268735

00:16:33.289 --> 00:16:36.412 resources from up to date that provide

NOTE Confidence: 0.86268735

00:16:36.412 --> 00:16:38.476 a great informational overview,

NOTE Confidence: 0.86268735

00:16:38.480 --> 00:16:39.952 especially with patients 47.

NOTE Confidence: 0.86268735

00:16:39.952 --> 00:16:41.792 He's probably never had prostate

NOTE Confidence: 0.86268735

00:16:41.792 --> 00:16:43.139 cancer screening before.

NOTE Confidence: 0.86268735

00:16:43.140 --> 00:16:45.317 Would give them a great overview to

NOTE Confidence: 0.86268735

00:16:45.317 --> 00:16:47.460 know exactly what we're getting into

NOTE Confidence: 0.86268735

00:16:47.460 --> 00:16:49.370 because once you start screening.

NOTE Confidence: 0.86268735

00:16:49.370 --> 00:16:51.890 It's going to be continued most

NOTE Confidence: 0.86268735

00:16:51.890 --> 00:16:53.990 likely until they're 75 based

NOTE Confidence: 0.86268735

00:16:53.990 --> 00:16:55.670 on the current guidelines.

NOTE Confidence: 0.86268735

00:16:55.670 --> 00:16:58.040 So I would take this patient through, OK.

NOTE Confidence: 0.86268735

00:16:58.040 --> 00:16:59.790 Yes, we should talk about

NOTE Confidence: 0.86268735

00:16:59.790 --> 00:17:00.840 prostate cancer screening.

NOTE Confidence: 0.86268735

00:17:00.840 --> 00:17:04.696 Your dad had a history of prostate cancer.

NOTE Confidence: 0.86268735

00:17:04.700 --> 00:17:08.108 These are the ways that we would screen.

NOTE Confidence: 0.86268735

00:17:08.110 --> 00:17:11.337 PSA is is the most commonly used.

NOTE Confidence: 0.86268735

00:17:11.340 --> 00:17:14.436 We'll come back to other methods.

NOTE Confidence: 0.86268735

00:17:14.440 --> 00:17:16.248 There are risks of false positive.

NOTE Confidence: 0.86268735

00:17:16.250 --> 00:17:17.420 Uh, if you Scroll down,

NOTE Confidence: 0.86268735

00:17:17.420 --> 00:17:19.380 there is a list of the acute factors.

NOTE Confidence: 0.86268735

00:17:19.380 --> 00:17:21.444 Yep, you got it.

NOTE Confidence: 0.86268735

00:17:21.444 --> 00:17:24.024 That may alter PSA results.

NOTE Confidence: 0.86268735

00:17:24.030 --> 00:17:25.310 So we'll get into that.

NOTE Confidence: 0.86268735

00:17:25.310 --> 00:17:26.675 But there is a nice smart phrase

NOTE Confidence: 0.86268735

00:17:26.675 --> 00:17:27.888 you can put in your note.

NOTE Confidence: 0.86268735

00:17:27.890 --> 00:17:30.870 It's dot prostate cancer screening,

NOTE Confidence: 0.86268735

00:17:30.870 --> 00:17:31.950 SDM's shared decision making.

NOTE Confidence: 0.86268735

00:17:31.950 --> 00:17:34.130 So you can put that into your note.

NOTE Confidence: 0.86268735

00:17:34.130 --> 00:17:37.010 Get full credit for having that

NOTE Confidence: 0.86268735

00:17:37.010 --> 00:17:38.930 lengthy shared decision making

NOTE Confidence: 0.86268735

00:17:38.930 --> 00:17:40.434 conversation with your patient.

NOTE Confidence: 0.86268735

00:17:40.434 --> 00:17:43.670 So you want to let the patient know,

NOTE Confidence: 0.86268735

00:17:43.670 --> 00:17:44.693 you know, hey.

NOTE Confidence: 0.86268735

00:17:44.693 --> 00:17:46.739 PSA is not a perfect test.

NOTE Confidence: 0.86268735

00:17:46.740 --> 00:17:49.070 If you have some urinary

NOTE Confidence: 0.86268735

00:17:49.070 --> 00:17:50.297 retention instrumentation,

NOTE Confidence: 0.86268735

00:17:50.297 --> 00:17:54.082 vigorous physical activity or perineal

NOTE Confidence: 0.86268735

00:17:54.082 --> 00:17:59.639 trauma can sometimes raise the PSA.

NOTE Confidence: 0.86268735

00:17:59.640 --> 00:18:00.760 So if they say, OK,

NOTE Confidence: 0.86268735

00:18:00.760 --> 00:18:02.128 I understand they're the

NOTE Confidence: 0.86268735

00:18:02.128 --> 00:18:03.496 risks involved with PSA,

NOTE Confidence: 0.86268735

00:18:03.500 --> 00:18:04.596 I want to proceed.

NOTE Confidence: 0.86268735

00:18:04.596 --> 00:18:06.672 You would then click on the screening

NOTE Confidence: 0.86268735

00:18:06.672 --> 00:18:08.856 PSA order either through Yale or

NOTE Confidence: 0.86268735

00:18:08.856 --> 00:18:10.927 LabCorp or through Quest and it's

NOTE Confidence: 0.86268735

00:18:10.927 --> 00:18:13.068 going to look exactly like that if

NOTE Confidence: 0.86268735

00:18:13.068 --> 00:18:15.532 you see on the upper right hand side.

NOTE Confidence: 0.86268735

00:18:15.540 --> 00:18:18.411 So you can just hit accept and it will

NOTE Confidence: 0.86268735

00:18:18.411 --> 00:18:21.175 sign off on that screening PSA order.

NOTE Confidence: 0.86268735

00:18:21.180 --> 00:18:22.924 Yeah, there you go.

NOTE Confidence: 0.86268735

00:18:22.924 --> 00:18:23.360 Perfect.

NOTE Confidence: 0.8414475

00:18:26.450 --> 00:18:30.614 Alright. So say we sign off that our 47

NOTE Confidence: 0.8414475

00:18:30.614 --> 00:18:33.486 year old male is otherwise pretty healthy.

NOTE Confidence: 0.8414475

00:18:33.490 --> 00:18:35.664 It's a week or two later, depending on

NOTE Confidence: 0.8414475

00:18:35.664 --> 00:18:37.848 whether he went to Quest or LabCorp,

NOTE Confidence: 0.8414475

00:18:37.850 --> 00:18:41.811 he should have gone to Yale. And then, uh,

NOTE Confidence: 0.8414475

00:18:41.811 --> 00:18:44.656 as you go through the pathway, there's Umm,

NOTE Confidence: 0.8414475

00:18:44.656 --> 00:18:47.440 if you go down to that 3rd result,

NOTE Confidence: 0.8414475

00:18:47.440 --> 00:18:51.010 that PSA interpretation?

NOTE Confidence: 0.8414475

00:18:51.010 --> 00:18:52.090 Normal result discussion.

NOTE Confidence: 0.8414475

00:18:52.090 --> 00:18:55.296 You can then go through that pathway and it

NOTE Confidence: 0.8414475

00:18:55.296 --> 00:18:57.466 literally takes you through step by step.

NOTE Confidence: 0.8414475

00:18:57.470 --> 00:19:01.509 So Umm, we're going to go through,

NOTE Confidence: 0.8414475

00:19:01.510 --> 00:19:02.710 we're going to come back to

NOTE Confidence: 0.8414475

00:19:02.710 --> 00:19:03.510 the digital rectal exam.

NOTE Confidence: 0.8414475

00:19:03.510 --> 00:19:05.470 I have a couple slides on that.

NOTE Confidence: 0.8414475

00:19:05.470 --> 00:19:09.494 Umm, we'll talk about that in a minute.

NOTE Confidence: 0.8414475

00:19:09.500 --> 00:19:13.427 If the PSA is greater than 10.

NOTE Confidence: 0.8414475

00:19:13.430 --> 00:19:15.160 It should be repeated in

NOTE Confidence: 0.8414475

00:19:15.160 --> 00:19:16.890 about four to six weeks.

NOTE Confidence: 0.8414475

00:19:16.890 --> 00:19:19.074 Uh, you want to make sure we

NOTE Confidence: 0.8414475

00:19:19.074 --> 00:19:21.029 weren't missing part of our history,

NOTE Confidence: 0.8414475

00:19:21.030 --> 00:19:23.560 some unknown instrumentation or unknown

NOTE Confidence: 0.8414475

00:19:23.560 --> 00:19:26.789 symptoms that they didn't realize they had?

NOTE Confidence: 0.8414475

00:19:26.790 --> 00:19:28.922 Uh, we also, uh,

NOTE Confidence: 0.8414475

00:19:28.922 --> 00:19:32.550 wanna review what that repeat lab is.

NOTE Confidence: 0.8414475

00:19:32.550 --> 00:19:34.742 If it's still elevated,

NOTE Confidence: 0.8414475

00:19:34.742 --> 00:19:37.200 then that generates a reflex.

NOTE Confidence: 0.8414475

00:19:37.200 --> 00:19:40.035 You can hit that refer to urology

NOTE Confidence: 0.8414475

00:19:40.035 --> 00:19:42.210 hyperlink up there on the right.

NOTE Confidence: 0.8414475

00:19:42.210 --> 00:19:42.782 Yeah.

NOTE Confidence: 0.8414475

00:19:42.782 --> 00:19:45.070 And at that point,

NOTE Confidence: 0.8414475

00:19:45.070 --> 00:19:47.646 we need to get your urology involved

NOTE Confidence: 0.8414475

00:19:47.646 --> 00:19:49.781 because that indicates more of a

NOTE Confidence: 0.8414475

00:19:49.781 --> 00:19:51.686 high risk probability if our young

NOTE Confidence: 0.8414475

00:19:51.686 --> 00:19:54.590 47 year old has a PSA less than 10,

NOTE Confidence: 0.8414475

00:19:54.590 --> 00:19:57.716 which thankfully most of them do.

NOTE Confidence: 0.8414475

00:19:57.720 --> 00:20:00.908 We need to consider.

NOTE Confidence: 0.8414475

00:20:00.910 --> 00:20:04.627 Other factors so say he was 47 and on

NOTE Confidence: 0.8414475

00:20:04.627 --> 00:20:07.329 finasteride to help prevent hair loss.

NOTE Confidence: 0.8414475

00:20:07.330 --> 00:20:11.068 Umm, that's your 5A reductase inhibitor.

NOTE Confidence: 0.8414475

00:20:11.070 --> 00:20:13.134 So there actually is a correction

NOTE Confidence: 0.8414475

00:20:13.134 --> 00:20:14.166 factor for that,

NOTE Confidence: 0.8414475

00:20:14.170 --> 00:20:16.396 something which I had to brush

NOTE Confidence: 0.8414475

00:20:16.396 --> 00:20:17.880 up on for this.

NOTE Confidence: 0.8414475

00:20:17.880 --> 00:20:20.330 So not that I have a lot of patients on it,

NOTE Confidence: 0.8414475

00:20:20.330 --> 00:20:22.346 but if you do have a patient

NOTE Confidence: 0.8414475

00:20:22.346 --> 00:20:23.470 that's already on it,

NOTE Confidence: 0.8414475

00:20:23.470 --> 00:20:27.796 you really should double your PSA value.

NOTE Confidence: 0.8414475

00:20:27.800 --> 00:20:29.912 If the PSA increases while they're

NOTE Confidence: 0.8414475

00:20:29.912 --> 00:20:32.779 already on a 504 reductase inhibitor,

NOTE Confidence: 0.8414475

00:20:32.780 --> 00:20:36.315 that also should be evaluated by urology.

NOTE Confidence: 0.8414475

00:20:36.320 --> 00:20:38.791 The reason for that is because higher

NOTE Confidence: 0.8414475

00:20:38.791 --> 00:20:41.032 grade lesions are more common when

NOTE Confidence: 0.8414475

00:20:41.032 --> 00:20:43.258 you're on a 5A reductase inhibitor.

NOTE Confidence: 0.8414475

00:20:43.260 --> 00:20:46.038 So assuming he's not on finasteride,

NOTE Confidence: 0.8414475

00:20:46.040 --> 00:20:47.980 which our patient was not,

NOTE Confidence: 0.8414475

00:20:47.980 --> 00:20:50.746 you can go by age category,

NOTE Confidence: 0.8414475

00:20:50.750 --> 00:20:53.207 even though the lab cut off will

NOTE Confidence: 0.8414475

00:20:53.207 --> 00:20:55.124 be 4.0 nanograms per milliliter.

NOTE Confidence: 0.8414475

00:20:55.124 --> 00:20:57.927 It really does go by age so

NOTE Confidence: 0.8414475

00:20:57.927 --> 00:20:59.067 that first decade.

NOTE Confidence: 0.8414475

00:20:59.070 --> 00:21:00.510 40 to 49,

NOTE Confidence: 0.8414475

00:21:00.510 --> 00:21:02.910 if it's greater than two

NOTE Confidence: 0.8414475

00:21:02.910 --> 00:21:04.870 is considered abnormal,

NOTE Confidence: 0.8414475

00:21:04.870 --> 00:21:07.378 then 50 to 59 greater than

NOTE Confidence: 0.8414475

00:21:07.378 --> 00:21:09.050 three also considered abnormal,

NOTE Confidence: 0.8414475

00:21:09.050 --> 00:21:10.350 and then 60 and above.

NOTE Confidence: 0.8414475

00:21:10.350 --> 00:21:12.984 You can use that upper limit

NOTE Confidence: 0.8414475

00:21:12.984 --> 00:21:16.078 normal of the lab cut off at 4.

NOTE Confidence: 0.8414475

00:21:16.080 --> 00:21:21.700 So you can go through based on all of that.

NOTE Confidence: 0.8414475

00:21:21.700 --> 00:21:25.200 If his PSA was less than 2.0

NOTE Confidence: 0.8414475

00:21:25.200 --> 00:21:26.520 nanograms per milliliter,

NOTE Confidence: 0.8414475

00:21:26.520 --> 00:21:28.536 then you would go to the right

NOTE Confidence: 0.8414475

00:21:28.536 --> 00:21:30.680 and he would have a normal PSA,

NOTE Confidence: 0.8414475

00:21:30.680 --> 00:21:32.768 and actually it'll break it down

NOTE Confidence: 0.8414475

00:21:32.768 --> 00:21:34.949 even further into when you should

NOTE Confidence: 0.8414475

00:21:34.949 --> 00:21:36.754 be repeating the PSA numbers,

NOTE Confidence: 0.8414475

00:21:36.760 --> 00:21:39.172 and you can actually go into

NOTE Confidence: 0.8414475

00:21:39.172 --> 00:21:42.240 your health maintenance screen.

NOTE Confidence: 0.8414475

00:21:42.240 --> 00:21:45.208 And you can update the modifier and

NOTE Confidence: 0.8414475

00:21:45.208 --> 00:21:47.849 select the frequency that you want to.

NOTE Confidence: 0.8414475

00:21:47.850 --> 00:21:51.036 I think you might have to hit edit modifier.

NOTE Confidence: 0.8414475

00:21:51.040 --> 00:21:51.380 Yep.

NOTE Confidence: 0.8374414

00:21:54.030 --> 00:21:55.118 Yeah, there it is.

NOTE Confidence: 0.874907815

00:21:59.010 --> 00:22:02.220 Wonderful. And it should pop up.

NOTE Confidence: 0.874907815

00:22:02.220 --> 00:22:06.748 Although. For us, it's not.

NOTE Confidence: 0.874907815

00:22:06.750 --> 00:22:09.414 So you should be able to edit that

NOTE Confidence: 0.874907815

00:22:09.414 --> 00:22:11.966 modifier to be specific for the time

NOTE Confidence: 0.874907815

00:22:11.966 --> 00:22:14.360 interval that you want to repeat.

NOTE Confidence: 0.874907815

00:22:14.360 --> 00:22:16.979 You do not have to do it every year,

NOTE Confidence: 0.874907815

00:22:16.980 --> 00:22:18.960 uh, but for higher risk patients,

NOTE Confidence: 0.874907815

00:22:18.960 --> 00:22:21.036 uh, like our patient you should.

NOTE Confidence: 0.874907815

00:22:21.040 --> 00:22:23.152 And then for lower risk patients

NOTE Confidence: 0.874907815

00:22:23.152 --> 00:22:26.124 you can do every two to four years

NOTE Confidence: 0.874907815

00:22:26.124 --> 00:22:28.800 depending on how low their PSA is.

NOTE Confidence: 0.874907815

00:22:28.800 --> 00:22:31.054 And I think that about covers the

NOTE Confidence: 0.874907815

00:22:31.054 --> 00:22:32.960 more important points of the pathway.

NOTE Confidence: 0.834748628888889

00:22:34.980 --> 00:22:36.080 Just Scroll down, make sure

NOTE Confidence: 0.834748628888889

00:22:36.080 --> 00:22:36.960 I didn't miss anything.

NOTE Confidence: 0.84382445

00:22:41.290 --> 00:22:43.530 Yeah. And then it's all the same.

NOTE Confidence: 0.84382445

00:22:43.530 --> 00:22:45.712 If PSA is abnormal again, then you

NOTE Confidence: 0.84382445

00:22:45.712 --> 00:22:47.819 would refer to urology at that point.

NOTE Confidence: 0.904693646666667

00:22:49.900 --> 00:22:50.839 Thank you, Karen.

NOTE Confidence: 0.665628383333333

00:22:53.460 --> 00:22:55.830 All right. Hopefully that the

NOTE Confidence: 0.8678422025

00:22:55.840 --> 00:22:56.911 health maintenance didn't

NOTE Confidence: 0.8678422025

00:22:56.911 --> 00:22:58.696 work because of the age.

NOTE Confidence: 0.8678422025

00:22:58.700 --> 00:23:01.460 So we just looking at that we just

NOTE Confidence: 0.8678422025

00:23:01.460 --> 00:23:03.490 problem solved and that will get fixed.

NOTE Confidence: 0.9014859

00:23:05.640 --> 00:23:09.186 Yeah, we picked an older patient for testing.

NOTE Confidence: 0.924298187142857

00:23:09.190 --> 00:23:11.366 All right. So I just want to draw

NOTE Confidence: 0.924298187142857

00:23:11.366 --> 00:23:13.168 some attention to the smart phrases.

NOTE Confidence: 0.924298187142857

00:23:13.170 --> 00:23:14.618 There's that shared decision

NOTE Confidence: 0.924298187142857

00:23:14.618 --> 00:23:15.704 making smart phrase.

NOTE Confidence: 0.924298187142857

00:23:15.710 --> 00:23:17.348 And then if you want to,

NOTE Confidence: 0.924298187142857

00:23:17.350 --> 00:23:18.615 rather than clicking on the

NOTE Confidence: 0.924298187142857

00:23:18.615 --> 00:23:19.627 hyperlinks in the pathway,

NOTE Confidence: 0.924298187142857

00:23:19.630 --> 00:23:21.226 if you felt like you wanted

NOTE Confidence: 0.924298187142857

00:23:21.226 --> 00:23:22.716 to do the prostate resources

NOTE Confidence: 0.924298187142857

00:23:22.716 --> 00:23:24.546 in your after visit summary,

NOTE Confidence: 0.924298187142857

00:23:24.550 --> 00:23:26.458 there is a smart phrase for that as well.

NOTE Confidence: 0.924298187142857

00:23:26.460 --> 00:23:30.450 At the bottom, another key update,

NOTE Confidence: 0.924298187142857

00:23:30.450 --> 00:23:32.586 we need to circle back to

NOTE Confidence: 0.924298187142857

00:23:32.586 --> 00:23:34.010 the digital rectal exam.

NOTE Confidence: 0.924298187142857

00:23:34.010 --> 00:23:36.385 It is no longer recommended

NOTE Confidence: 0.924298187142857

00:23:36.385 --> 00:23:37.810 for screening purposes,

NOTE Confidence: 0.924298187142857

00:23:37.810 --> 00:23:39.196 but it absolutely should be done.

NOTE Confidence: 0.924298187142857

00:23:39.200 --> 00:23:40.424 For diagnostic purposes,

NOTE Confidence: 0.924298187142857

00:23:40.424 --> 00:23:43.280 if our patient maybe didn't drink the

NOTE Confidence: 0.924298187142857

00:23:43.350 --> 00:23:45.793 two cups of coffee before bedtime and

NOTE Confidence: 0.924298187142857

00:23:45.793 --> 00:23:48.290 still had those episodes of nocturia,

NOTE Confidence: 0.924298187142857

00:23:48.290 --> 00:23:49.096 you know,

NOTE Confidence: 0.924298187142857

00:23:49.096 --> 00:23:51.111 we may want to consider

NOTE Confidence: 0.924298187142857

00:23:51.111 --> 00:23:52.610 evaluating what's going on.

NOTE Confidence: 0.924298187142857

00:23:52.610 --> 00:23:55.995 But for average screening purposes

NOTE Confidence: 0.924298187142857

00:23:55.995 --> 00:23:59.104 is not recommended in terms of

NOTE Confidence: 0.924298187142857

00:23:59.104 --> 00:24:00.894 when to start PSA screening

NOTE Confidence: 0.924298187142857

00:24:00.894 --> 00:24:02.849 for prostate cancer screening,

NOTE Confidence: 0.924298187142857

00:24:02.850 --> 00:24:04.190 if it is elevated risk,

NOTE Confidence: 0.924298187142857

00:24:04.190 --> 00:24:05.600 you need to tell the patient

NOTE Confidence: 0.924298187142857

00:24:05.600 --> 00:24:07.164 that there are higher risk engage

NOTE Confidence: 0.924298187142857

00:24:07.164 --> 00:24:08.604 in that shared decision making.

NOTE Confidence: 0.924298187142857

00:24:08.610 --> 00:24:09.762 I know it takes a little bit of time,

NOTE Confidence: 0.924298187142857

00:24:09.770 --> 00:24:11.130 but it's worth it.

NOTE Confidence: 0.924298187142857

00:24:11.130 --> 00:24:12.830 Because then they understand what

NOTE Confidence: 0.924298187142857

00:24:12.830 --> 00:24:14.727 they're getting into and have

NOTE Confidence: 0.924298187142857

00:24:14.727 --> 00:24:16.227 better follow-up going forward.

NOTE Confidence: 0.924298187142857

00:24:16.230 --> 00:24:18.245 If there's really no increased

NOTE Confidence: 0.924298187142857

00:24:18.245 --> 00:24:20.789 and that'll start at 40 to 45,

NOTE Confidence: 0.924298187142857

00:24:20.790 --> 00:24:22.475 if they really don't have

NOTE Confidence: 0.924298187142857

00:24:22.475 --> 00:24:23.823 any increased risk factors,

NOTE Confidence: 0.924298187142857

00:24:23.830 --> 00:24:25.830 you can start at 50.

NOTE Confidence: 0.924298187142857

00:24:25.830 --> 00:24:27.930 If we go to the next slide,

NOTE Confidence: 0.924298187142857

00:24:27.930 --> 00:24:30.567 I wanted to spend a little bit of time

NOTE Confidence: 0.924298187142857

00:24:30.567 --> 00:24:32.906 talking about that digital rectal exam,

NOTE Confidence: 0.924298187142857

00:24:32.910 --> 00:24:36.048 everybody's favorite test.

NOTE Confidence: 0.924298187142857

00:24:36.050 --> 00:24:38.140 So I, I, you know,

NOTE Confidence: 0.924298187142857

00:24:38.140 --> 00:24:40.222 kind of had some trouble adjusting

NOTE Confidence: 0.924298187142857

00:24:40.222 --> 00:24:42.859 to this and and probably still do

NOTE Confidence: 0.924298187142857

00:24:42.860 --> 00:24:44.916 because I was kind of trained in medicine.

NOTE Confidence: 0.924298187142857

00:24:44.920 --> 00:24:46.405 If if you could see it and touch it

NOTE Confidence: 0.924298187142857

00:24:46.405 --> 00:24:47.838 and it was right in front of you,

NOTE Confidence: 0.924298187142857

00:24:47.840 --> 00:24:49.620 you should check it.

NOTE Confidence: 0.924298187142857

00:24:49.620 --> 00:24:52.290 But with the digital rectal exam

NOTE Confidence: 0.924298187142857

00:24:52.380 --> 00:24:55.070 that's not necessarily the case.

NOTE Confidence: 0.924298187142857

00:24:55.070 --> 00:24:56.060 As I mentioned,

NOTE Confidence: 0.924298187142857

00:24:56.060 --> 00:24:57.050 definitely for symptoms,

NOTE Confidence: 0.924298187142857

00:24:57.050 --> 00:24:58.670 not so much for screening.

NOTE Confidence: 0.924298187142857

00:24:58.670 --> 00:25:01.472 It does have a low sensitivity

NOTE Confidence: 0.924298187142857

00:25:01.472 --> 00:25:02.873 and low specificity.

NOTE Confidence: 0.924298187142857

00:25:02.880 --> 00:25:04.365 The most generous estimate that

NOTE Confidence: 0.924298187142857

00:25:04.365 --> 00:25:06.411 I could find was that it had a

NOTE Confidence: 0.924298187142857

00:25:06.411 --> 00:25:07.600 41% positive predictive value.

NOTE Confidence: 0.924298187142857

00:25:07.600 --> 00:25:10.412 But that was out of a meta analysis

NOTE Confidence: 0.924298187142857

00:25:10.412 --> 00:25:12.967 where when you broke it down into

NOTE Confidence: 0.924298187142857

00:25:12.967 --> 00:25:15.126 the individual studies did not have

NOTE Confidence: 0.924298187142857

00:25:15.126 --> 00:25:16.938 such great evidence backing it up.

NOTE Confidence: 0.924298187142857

00:25:16.940 --> 00:25:19.800 So that was probably overgenerous.

NOTE Confidence: 0.924298187142857

00:25:19.800 --> 00:25:22.579 They think the OR have shown that

NOTE Confidence: 0.924298187142857

00:25:22.579 --> 00:25:24.575 the digital rectal exam will

NOTE Confidence: 0.924298187142857

00:25:24.575 --> 00:25:27.050 increase the PSA a bit, you know,

NOTE Confidence: 0.924298187142857

00:25:27.050 --> 00:25:29.060 up to .4 nanograms per milliliter.

NOTE Confidence: 0.924298187142857

00:25:29.060 --> 00:25:30.362 And of course,

NOTE Confidence: 0.924298187142857

00:25:30.362 --> 00:25:32.966 just because of anatomy and physics.

NOTE Confidence: 0.924298187142857

00:25:32.970 --> 00:25:34.842 You can only detect that that

NOTE Confidence: 0.924298187142857

00:25:34.842 --> 00:25:36.730 back surface of the prostate,

NOTE Confidence: 0.924298187142857

00:25:36.730 --> 00:25:38.955 making the earlier stages of

NOTE Confidence: 0.924298187142857

00:25:38.955 --> 00:25:40.290 prostate cancer undetectable

NOTE Confidence: 0.924298187142857

00:25:40.290 --> 00:25:42.529 based on just the Dre alone.

NOTE Confidence: 0.924298187142857

00:25:42.530 --> 00:25:45.398 So for that reason.

NOTE Confidence: 0.924298187142857

00:25:45.400 --> 00:25:45.996 You know,

NOTE Confidence: 0.924298187142857

00:25:45.996 --> 00:25:48.082 up to 1/3 of cancer is detected

NOTE Confidence: 0.924298187142857

00:25:48.082 --> 00:25:50.710 by a digital rectal exam alone or

NOTE Confidence: 0.924298187142857

00:25:50.710 --> 00:25:53.425 advanced versus less than 10% or

NOTE Confidence: 0.924298187142857

00:25:53.425 --> 00:25:56.569 advanced stages when you use the PSA.

NOTE Confidence: 0.924298187142857

00:25:56.570 --> 00:25:59.108 So there is an advantage there.

NOTE Confidence: 0.924298187142857

00:25:59.110 --> 00:26:01.980 There have been additional comparisons,

NOTE Confidence: 0.924298187142857

00:26:01.980 --> 00:26:02.764 you know,

NOTE Confidence: 0.924298187142857

00:26:02.764 --> 00:26:04.332 looking at positive predictive

NOTE Confidence: 0.924298187142857

00:26:04.332 --> 00:26:06.046 value using abnormal digital

NOTE Confidence: 0.924298187142857

00:26:06.046 --> 00:26:08.824 rectal exam with a normal PSA,

NOTE Confidence: 0.924298187142857

00:26:08.830 --> 00:26:11.546 that's about a 10% positive predictive value.

NOTE Confidence: 0.924298187142857

00:26:11.550 --> 00:26:13.080 And then there were additional

NOTE Confidence: 0.924298187142857

00:26:13.080 --> 00:26:14.304 studies looking at OK,

NOTE Confidence: 0.802824548125

00:26:14.310 --> 00:26:15.300 well, if you.

NOTE Confidence: 0.802824548125

00:26:15.300 --> 00:26:17.280 Have a normal digital rectal exam

NOTE Confidence: 0.802824548125

00:26:17.280 --> 00:26:19.628 but then you have an abnormal PSA.

NOTE Confidence: 0.802824548125

00:26:19.630 --> 00:26:21.485 Positive predictive value goes up

NOTE Confidence: 0.802824548125

00:26:21.485 --> 00:26:25.170 to you know 25% a little bit more.

NOTE Confidence: 0.802824548125

00:26:25.170 --> 00:26:26.710 So there was you know,

NOTE Confidence: 0.802824548125

00:26:26.710 --> 00:26:29.699 an advantage to using the PSA over

NOTE Confidence: 0.802824548125

00:26:29.699 --> 00:26:32.069 just the digital rectal exam.

NOTE Confidence: 0.802824548125

00:26:32.070 --> 00:26:34.870 Certainly if you're using the

NOTE Confidence: 0.802824548125

00:26:34.870 --> 00:26:36.804 Dre for evaluating symptoms

NOTE Confidence: 0.802824548125

00:26:36.804 --> 00:26:39.246 or if the patient says Doc,

NOTE Confidence: 0.802824548125

00:26:39.250 --> 00:26:40.650 I can't sleep tonight unless you

NOTE Confidence: 0.802824548125

00:26:40.650 --> 00:26:43.674 check my prostate and you find

NOTE Confidence: 0.802824548125

00:26:43.674 --> 00:26:45.690 something nodule and duration.

NOTE Confidence: 0.802824548125

00:26:45.690 --> 00:26:46.612 It's asymmetric.

NOTE Confidence: 0.802824548125

00:26:46.612 --> 00:26:49.839 Regardless of what the PSA level is,

NOTE Confidence: 0.802824548125

00:26:49.840 --> 00:26:51.982 you're going to refer that patient

NOTE Confidence: 0.802824548125

00:26:51.982 --> 00:26:54.489 to urology to have that evaluated.

NOTE Confidence: 0.802824548125

00:26:54.490 --> 00:26:58.402 Alright, I think that's all of my slides.

NOTE Confidence: 0.802824548125

00:26:58.402 --> 00:27:00.420 All right, Jerry, onto you.

NOTE Confidence: 0.802824548125

00:27:01.400 --> 00:27:01.890 All right.

NOTE Confidence: 0.818229185714286

00:27:01.900 --> 00:27:03.724 Good evening, everyone.

NOTE Confidence: 0.818229185714286

00:27:03.724 --> 00:27:07.616 So my patient is more your

NOTE Confidence: 0.818229185714286

00:27:07.616 --> 00:27:10.868 average patient that usually gets

NOTE Confidence: 0.818229185714286

00:27:10.868 --> 00:27:12.420 diagnosed with prostate cancer.

NOTE Confidence: 0.818229185714286

00:27:12.420 --> 00:27:15.204 So it's a 57 year old

NOTE Confidence: 0.818229185714286

00:27:15.204 --> 00:27:17.647 asymptomatic man with PSA of 5.6.

NOTE Confidence: 0.818229185714286

00:27:17.647 --> 00:27:20.230 We always try to get a repeat PSA to

NOTE Confidence: 0.818229185714286

00:27:20.305 --> 00:27:23.035 make sure that it wasn't an aberration.

NOTE Confidence: 0.818229185714286

00:27:23.040 --> 00:27:26.460 Re PSA's basically the same.

NOTE Confidence: 0.818229185714286

00:27:26.460 --> 00:27:30.476 And for almost all our patients at Yale,

NOTE Confidence: 0.818229185714286

00:27:30.480 --> 00:27:32.778 we try to get an MRI.

NOTE Confidence: 0.818229185714286

00:27:32.780 --> 00:27:35.310 Before any biopsy because it

NOTE Confidence: 0.818229185714286

00:27:35.310 --> 00:27:37.334 increases and improves detection

NOTE Confidence: 0.818229185714286

00:27:37.334 --> 00:27:40.626 and if we're we have technology that

NOTE Confidence: 0.818229185714286

00:27:40.626 --> 00:27:43.136 helps target the specific areas on

NOTE Confidence: 0.818229185714286

00:27:43.136 --> 00:27:45.116 the MRI to make it a better biopsy.

NOTE Confidence: 0.818229185714286

00:27:45.120 --> 00:27:47.616 So target biopsy was performed and

NOTE Confidence: 0.818229185714286

00:27:47.616 --> 00:27:50.423 it shows Gleason 3 + 4 prostate

NOTE Confidence: 0.818229185714286

00:27:50.423 --> 00:27:52.894 cancer and five out of 17 cores.

NOTE Confidence: 0.818229185714286

00:27:52.900 --> 00:27:54.598 And these biopsies can be performed

NOTE Confidence: 0.818229185714286

00:27:54.598 --> 00:27:56.100 in the office under local,

NOTE Confidence: 0.818229185714286

00:27:56.100 --> 00:27:57.520 which most of us do,

NOTE Confidence: 0.818229185714286

00:27:57.520 --> 00:28:00.100 but also a lot of patients

NOTE Confidence: 0.818229185714286

00:28:00.100 --> 00:28:01.820 have anxiety about this.

NOTE Confidence: 0.818229185714286

00:28:01.820 --> 00:28:03.860 So we do offer to do it in

NOTE Confidence: 0.818229185714286

00:28:03.860 --> 00:28:06.240 the OR under sedation as well.

NOTE Confidence: 0.818229185714286

00:28:06.240 --> 00:28:09.348 I would say 80% of my patients

NOTE Confidence: 0.818229185714286

00:28:09.348 --> 00:28:12.133 tolerated very well in the office

NOTE Confidence: 0.818229185714286

00:28:12.133 --> 00:28:15.304 because we could do a good prosthetic

NOTE Confidence: 0.818229185714286

00:28:15.397 --> 00:28:18.380 nerve block and about 20% have it

NOTE Confidence: 0.818229185714286

00:28:18.380 --> 00:28:21.340 done in the OR in terms of so the

NOTE Confidence: 0.818229185714286

00:28:21.340 --> 00:28:23.630 Gleason 3 + 4 prostate cancer and.

NOTE Confidence: 0.818229185714286

00:28:23.630 --> 00:28:25.238 Go into the risk groups in a second,

NOTE Confidence: 0.818229185714286

00:28:25.240 --> 00:28:27.384 but it's considered intermediate

NOTE Confidence: 0.818229185714286

00:28:27.384 --> 00:28:28.456 risk favorable.

NOTE Confidence: 0.818229185714286

00:28:28.460 --> 00:28:31.540 The two main treatment options that we offer.

NOTE Confidence: 0.818229185714286

00:28:31.540 --> 00:28:33.040 Active surveillance is usually for

NOTE Confidence: 0.818229185714286

00:28:33.040 --> 00:28:34.994 low risk and we offer radiation

NOTE Confidence: 0.818229185714286

00:28:34.994 --> 00:28:36.197 and robotic surgery,

NOTE Confidence: 0.818229185714286

00:28:36.200 --> 00:28:39.080 which are standard of care treatments.

NOTE Confidence: 0.818229185714286

00:28:39.080 --> 00:28:41.780 There are also focal therapies that

NOTE Confidence: 0.818229185714286

00:28:41.780 --> 00:28:43.987 are considered newer treatments and

NOTE Confidence: 0.818229185714286

00:28:43.987 --> 00:28:46.339 don't have as much data behind them.

NOTE Confidence: 0.818229185714286

00:28:46.340 --> 00:28:47.715 Prostate cancer is a very

NOTE Confidence: 0.818229185714286

00:28:47.715 --> 00:28:48.540 slow growing disease,

NOTE Confidence: 0.818229185714286

00:28:48.540 --> 00:28:51.600 so a therapy has to be

NOTE Confidence: 0.818229185714286

00:28:51.600 --> 00:28:53.556 around for 1510 to 15 years.

NOTE Confidence: 0.818229185714286

00:28:53.556 --> 00:28:55.316 Before we know how well it works

NOTE Confidence: 0.818229185714286

00:28:55.316 --> 00:28:57.960 in terms of recurrence risk and

NOTE Confidence: 0.818229185714286

00:28:57.960 --> 00:28:59.710 then this question always comes

NOTE Confidence: 0.818229185714286

00:28:59.710 --> 00:29:01.750 up in terms of staging.

NOTE Confidence: 0.818229185714286

00:29:01.750 --> 00:29:04.010 For patients with prostate cancer,

NOTE Confidence: 0.818229185714286

00:29:04.010 --> 00:29:06.243 CAT scan and bone scan is recommended

NOTE Confidence: 0.818229185714286

00:29:06.243 --> 00:29:07.989 for grade Group 3 or higher,

NOTE Confidence: 0.818229185714286

00:29:07.990 --> 00:29:10.685 meaning Gleason 4 + 3 or higher.

NOTE Confidence: 0.818229185714286

00:29:10.690 --> 00:29:12.772 And there are instances where we

NOTE Confidence: 0.818229185714286

00:29:12.772 --> 00:29:15.689 use a newer PET scan called PSA PET,

NOTE Confidence: 0.818229185714286

00:29:15.690 --> 00:29:17.265 which Bruce Mcgibbon will go

NOTE Confidence: 0.818229185714286

00:29:17.265 --> 00:29:19.619 into a little bit in his slides.

NOTE Confidence: 0.640954106666667

00:29:22.120 --> 00:29:24.560 If we could go to next slide,

NOTE Confidence: 0.640954106666667

00:29:24.560 --> 00:29:26.776 so I just wanted to go over the

NOTE Confidence: 0.640954106666667

00:29:26.776 --> 00:29:28.035 risk stratification because we

NOTE Confidence: 0.640954106666667

00:29:28.035 --> 00:29:29.916 throw around these terms, low risk,

NOTE Confidence: 0.640954106666667

00:29:29.916 --> 00:29:31.068 intermediate risk, high risk.

NOTE Confidence: 0.640954106666667

00:29:31.070 --> 00:29:32.310 What do they mean?

NOTE Confidence: 0.640954106666667

00:29:32.310 --> 00:29:35.433 So very low risk is a small amount of

NOTE Confidence: 0.640954106666667

00:29:35.433 --> 00:29:38.198 leasing 6 basically with a low PSA.

NOTE Confidence: 0.640954106666667

00:29:38.200 --> 00:29:42.730 Gleason, Six is considered a very.

NOTE Confidence: 0.640954106666667

00:29:42.730 --> 00:29:45.060 Unaggressive and the chance of

NOTE Confidence: 0.640954106666667

00:29:45.060 --> 00:29:47.390 it spreading outside of the

NOTE Confidence: 0.640954106666667

00:29:47.478 --> 00:29:49.570 prostate is extremely low.

NOTE Confidence: 0.640954106666667

00:29:49.570 --> 00:29:50.914 In most studies,

NOTE Confidence: 0.640954106666667

00:29:50.914 --> 00:29:53.602 it's actually believed to be 0.

NOTE Confidence: 0.640954106666667

00:29:53.610 --> 00:29:56.666 So both very low risk and low risk

NOTE Confidence: 0.640954106666667

00:29:56.666 --> 00:29:58.208 patients we usually recommend

NOTE Confidence: 0.640954106666667

00:29:58.210 --> 00:30:00.799 for active surveillance.

NOTE Confidence: 0.640954106666667

00:30:00.800 --> 00:30:03.270 Intermediate risk patients are split

NOTE Confidence: 0.640954106666667

00:30:03.270 --> 00:30:05.740 up into favorable and unfavorable

NOTE Confidence: 0.640954106666667

00:30:05.815 --> 00:30:08.580 and that's basically how much of the

NOTE Confidence: 0.640954106666667

00:30:08.580 --> 00:30:10.900 Gleason 4 component that they have.

NOTE Confidence: 0.640954106666667

00:30:10.900 --> 00:30:12.657 Also, it can be based on PSA.

NOTE Confidence: 0.640954106666667

00:30:12.660 --> 00:30:14.404 PSA is above 10.

NOTE Confidence: 0.640954106666667

00:30:14.404 --> 00:30:17.020 It's also falls into intermediate risk.

NOTE Confidence: 0.640954106666667

00:30:17.020 --> 00:30:19.960 High risk is usually Gleason 4 + 4 or higher.

NOTE Confidence: 0.640954106666667

00:30:19.960 --> 00:30:23.882 So great Group 4-5 and very high

NOTE Confidence: 0.640954106666667

00:30:23.882 --> 00:30:25.740 risk if there's evidence on MRI,

NOTE Confidence: 0.640954106666667

00:30:25.740 --> 00:30:27.244 if someone vascular invasion,

NOTE Confidence: 0.640954106666667

00:30:27.244 --> 00:30:28.860 noble disease, metastatic disease,

NOTE Confidence: 0.640954106666667

00:30:28.860 --> 00:30:31.010 or if the the top.

NOTE Confidence: 0.640954106666667

00:30:31.010 --> 00:30:32.340 Component of the Gleason score

NOTE Confidence: 0.640954106666667

00:30:32.340 --> 00:30:33.404 is the Gleason 5.

NOTE Confidence: 0.7726194225

00:30:35.430 --> 00:30:38.155 So in terms of treatment

NOTE Confidence: 0.7726194225

00:30:38.155 --> 00:30:39.790 for intermediate risk,

NOTE Confidence: 0.7726194225

00:30:39.790 --> 00:30:41.874 robotic surgery and radiation

NOTE Confidence: 0.7726194225

00:30:41.874 --> 00:30:43.958 are considered equally effective

NOTE Confidence: 0.7726194225

00:30:43.958 --> 00:30:46.269 in prostate cancer treatment.

NOTE Confidence: 0.7726194225

00:30:46.270 --> 00:30:47.782 We haven't been able to prove that

NOTE Confidence: 0.7726194225

00:30:47.782 --> 00:30:49.150 one is better than the other,

NOTE Confidence: 0.7726194225

00:30:49.150 --> 00:30:51.376 so we usually go over the side

NOTE Confidence: 0.7726194225

00:30:51.376 --> 00:30:53.637 effect profiles of each one and the

NOTE Confidence: 0.7726194225

00:30:53.637 --> 00:30:55.584 benefits and risks of each each

NOTE Confidence: 0.7726194225

00:30:55.584 --> 00:30:57.948 one and let the patient decide.

NOTE Confidence: 0.7726194225

00:30:57.950 --> 00:30:58.588 Robotic surgery,

NOTE Confidence: 0.7726194225

00:30:58.588 --> 00:31:01.140 usually it involves A1 day stay in the

NOTE Confidence: 0.7726194225

00:31:01.202 --> 00:31:03.344 hospital and a catheter for one week.

NOTE Confidence: 0.7726194225

00:31:03.350 --> 00:31:05.786 You it's we we do a robotically,

NOTE Confidence: 0.7726194225

00:31:05.790 --> 00:31:08.238 but it's still a three to four week

NOTE Confidence: 0.7726194225

00:31:08.238 --> 00:31:09.540 recovery radiation treatments,

NOTE Confidence: 0.7726194225

00:31:09.540 --> 00:31:13.770 usually 5 or 28 treatments

NOTE Confidence: 0.7726194225

00:31:13.770 --> 00:31:15.470 depending on the patient and

NOTE Confidence: 0.7726194225

00:31:15.470 --> 00:31:17.170 cancer characteristics or let Bruce

NOTE Confidence: 0.7726194225

00:31:17.223 --> 00:31:18.868 go over that a little bit more.

NOTE Confidence: 0.7726194225

00:31:18.870 --> 00:31:21.957 The main effects of both radiation and

NOTE Confidence: 0.7726194225

00:31:21.957 --> 00:31:25.870 surgery are on urinary and erectile function.

NOTE Confidence: 0.7726194225

00:31:25.870 --> 00:31:28.912 Newer less proven therapies are the

NOTE Confidence: 0.7726194225

00:31:28.912 --> 00:31:31.722 focal therapies and there are four

NOTE Confidence: 0.7726194225

00:31:31.722 --> 00:31:34.156 or five of these that depending

NOTE Confidence: 0.7726194225

00:31:34.156 --> 00:31:35.254 on the institution.

NOTE Confidence: 0.7726194225

00:31:35.254 --> 00:31:38.147 And I'll go over one of the newer

NOTE Confidence: 0.7726194225

00:31:38.147 --> 00:31:40.345 ones that we have here at Yale.

NOTE Confidence: 0.7726194225

00:31:40.350 --> 00:31:41.577 Prior to radiation,

NOTE Confidence: 0.7726194225

00:31:41.577 --> 00:31:43.622 patients usually undergo a procedure

NOTE Confidence: 0.7726194225

00:31:43.622 --> 00:31:45.817 which is similar to a biopsy

NOTE Confidence: 0.7726194225

00:31:45.817 --> 00:31:47.779 where we place gold markers into

NOTE Confidence: 0.7726194225

00:31:47.849 --> 00:31:49.853 the prostate to help target the

NOTE Confidence: 0.7726194225

00:31:49.853 --> 00:31:51.974 radiation and we place a space or

NOTE Confidence: 0.7726194225

00:31:51.974 --> 00:31:54.336 gel and Bruce will have some slides

NOTE Confidence: 0.7726194225

00:31:54.336 --> 00:31:56.260 on that and then the important thing.

NOTE Confidence: 0.7726194225

00:31:56.260 --> 00:31:59.263 To know is patients who are getting

NOTE Confidence: 0.7726194225

00:31:59.263 --> 00:32:01.629 radiation treatment even for localized

NOTE Confidence: 0.7726194225

00:32:01.629 --> 00:32:04.470 cancer, if it's grade Group 3,

NOTE Confidence: 0.7726194225

00:32:04.470 --> 00:32:06.270 the NCCN guidelines recommend four

NOTE Confidence: 0.7726194225

00:32:06.270 --> 00:32:08.700 to six months of androgen deprivation

NOTE Confidence: 0.7726194225

00:32:08.700 --> 00:32:11.755 therapy and for great Group 4 to 5,

NOTE Confidence: 0.7726194225

00:32:11.760 --> 00:32:13.048 the NCCN guidelines recommend

NOTE Confidence: 0.7726194225

00:32:13.048 --> 00:32:14.980 at least 18 months for androgen

NOTE Confidence: 0.7726194225

00:32:15.034 --> 00:32:16.090 deprivation therapy.

NOTE Confidence: 0.7726194225

00:32:16.090 --> 00:32:18.010 This used to be two to three years.

NOTE Confidence: 0.7726194225

00:32:18.010 --> 00:32:20.586 They've decreased it in the last two,

NOTE Confidence: 0.7726194225

00:32:20.590 --> 00:32:23.270 two years.

NOTE Confidence: 0.7726194225

00:32:23.270 --> 00:32:26.190 To make it a little bit more tolerable,

NOTE Confidence: 0.7726194225

00:32:26.190 --> 00:32:27.030 next slide,

NOTE Confidence: 0.7726194225

00:32:27.030 --> 00:32:30.390 so to just go over some newer technologies,

NOTE Confidence: 0.7726194225

00:32:30.390 --> 00:32:34.610 we have a. Yo.

NOTE Confidence: 0.7726194225

00:32:34.610 --> 00:32:34.908 We,

NOTE Confidence: 0.7726194225

00:32:34.908 --> 00:32:36.994 we have been using for the last

NOTE Confidence: 0.7726194225

00:32:36.994 --> 00:32:39.226 10 years the Artemis system to

NOTE Confidence: 0.7726194225

00:32:39.226 --> 00:32:40.786 help target MRI lesions.

NOTE Confidence: 0.7726194225

00:32:40.790 --> 00:32:43.387 We've just upgraded to the exact view,

NOTE Confidence: 0.7726194225

00:32:43.390 --> 00:32:47.608 which is a very powerful ultrasound.

NOTE Confidence: 0.7726194225

00:32:47.610 --> 00:32:48.831 It's 300 three,

NOTE Confidence: 0.7726194225

00:32:48.831 --> 00:32:51.273 100% more powerful than standard ultrasound,

NOTE Confidence: 0.7726194225

00:32:51.280 --> 00:32:53.072 which is 7 megahertz.

NOTE Confidence: 0.7726194225

00:32:53.072 --> 00:32:55.760 And on this ultrasound we could

NOTE Confidence: 0.7726194225

00:32:55.854 --> 00:32:58.642 actually see prostate cancer

NOTE Confidence: 0.7726194225

00:32:58.642 --> 00:33:00.994 lesions and that's what the bottom

NOTE Confidence: 0.7726194225

00:33:00.994 --> 00:33:02.549 right hand corner is showing.

NOTE Confidence: 0.7726194225

00:33:02.550 --> 00:33:06.492 It's the ultrasound is so powerful

NOTE Confidence: 0.7726194225

00:33:06.492 --> 00:33:08.848 that the the slide on the left

NOTE Confidence: 0.7726194225

00:33:08.848 --> 00:33:10.701 is actually showing that you can

NOTE Confidence: 0.7726194225

00:33:10.701 --> 00:33:12.346 actually see the previous needle

NOTE Confidence: 0.7726194225

00:33:12.346 --> 00:33:13.900 tract through the prostate.

NOTE Confidence: 0.891453644444444

00:33:16.030 --> 00:33:19.294 You can still do MRI fusion on these

NOTE Confidence: 0.891453644444444

00:33:19.294 --> 00:33:21.146 machines, which is very important

NOTE Confidence: 0.891453644444444

00:33:21.146 --> 00:33:22.941 because most of our patients

NOTE Confidence: 0.891453644444444

00:33:22.941 --> 00:33:25.040 get the MRI before the biopsy.

NOTE Confidence: 0.891453644444444

00:33:25.040 --> 00:33:27.780 OK. Next slide.

NOTE Confidence: 0.891453644444444

00:33:27.780 --> 00:33:30.600 And then one of these newer

NOTE Confidence: 0.891453644444444

00:33:30.600 --> 00:33:32.480 technologies that's also available

NOTE Confidence: 0.891453644444444

00:33:32.562 --> 00:33:34.458 at Yale is the Tulsa Pro.

NOTE Confidence: 0.891453644444444

00:33:34.460 --> 00:33:36.524 And what this is is transurethral

NOTE Confidence: 0.891453644444444

00:33:36.524 --> 00:33:38.480 ultrasound ablation of the prostate.

NOTE Confidence: 0.891453644444444

00:33:38.480 --> 00:33:41.408 So the top device of the patient is

NOTE Confidence: 0.891453644444444

00:33:41.408 --> 00:33:43.904 asleep under anesthesia and it gets

NOTE Confidence: 0.891453644444444

00:33:43.904 --> 00:33:47.190 inserted into the urethra like a catheter.

NOTE Confidence: 0.891453644444444

00:33:47.190 --> 00:33:49.801 And the bottom device gets inserted into

NOTE Confidence: 0.891453644444444

00:33:49.801 --> 00:33:52.572 the ****** uh for cooling the rectal area

NOTE Confidence: 0.891453644444444

00:33:52.572 --> 00:33:55.510 and if you could go to the next slide.

NOTE Confidence: 0.891453644444444

00:33:55.510 --> 00:33:57.526 And basically what this device does,

NOTE Confidence: 0.891453644444444

00:33:57.530 --> 00:34:01.018 it rotates and under MRI guidance it ablates

NOTE Confidence: 0.891453644444444

00:34:01.018 --> 00:34:04.190 the prostate in a circumferential fashion.

NOTE Confidence: 0.891453644444444

00:34:04.190 --> 00:34:06.188 Within 1 millimeter of the capsule,

NOTE Confidence: 0.891453644444444

00:34:06.190 --> 00:34:07.648 it's very precise.

NOTE Confidence: 0.878020462173913

00:34:10.090 --> 00:34:12.306 You can do focal therapy as shown on

NOTE Confidence: 0.878020462173913

00:34:12.306 --> 00:34:14.445 the slide on the left where you could

NOTE Confidence: 0.878020462173913

00:34:14.445 --> 00:34:16.609 just do 1/4 of the plot prostate,

NOTE Confidence: 0.878020462173913

00:34:16.610 --> 00:34:18.608 you could do 1/2 of the

NOTE Confidence: 0.878020462173913

00:34:18.608 --> 00:34:20.450 prostate or the entire thing.

NOTE Confidence: 0.878020462173913

00:34:20.450 --> 00:34:22.412 So there are two clinical trials

NOTE Confidence: 0.878020462173913

00:34:22.412 --> 00:34:25.029 right now at Yale investigating this.

NOTE Confidence: 0.878020462173913

00:34:25.030 --> 00:34:27.352 One is comparing it to surgery

NOTE Confidence: 0.878020462173913

00:34:27.352 --> 00:34:29.830 and one is just comparing.

NOTE Confidence: 0.878020462173913

00:34:29.830 --> 00:34:31.722 Is just the observational

NOTE Confidence: 0.878020462173913

00:34:31.722 --> 00:34:34.087 study to see the the.

NOTE Confidence: 0.878020462173913

00:34:34.090 --> 00:34:36.274 It's believed to be that the side

NOTE Confidence: 0.878020462173913

00:34:36.274 --> 00:34:38.113 effects with this are significantly

NOTE Confidence: 0.878020462173913

00:34:38.113 --> 00:34:40.633 lower than with surgery or radiation.

NOTE Confidence: 0.878020462173913

00:34:40.640 --> 00:34:42.806 Another area of interest for this

NOTE Confidence: 0.878020462173913

00:34:42.806 --> 00:34:45.246 treatment is in salvage treatment for

NOTE Confidence: 0.878020462173913

00:34:45.246 --> 00:34:47.556 patients who have undergone radiation

NOTE Confidence: 0.8291518475

00:34:47.570 --> 00:34:48.778 and now have recurrence.

NOTE Confidence: 0.6555637875

00:34:50.850 --> 00:34:52.965 And now I'll turn it over to

NOTE Confidence: 0.6555637875

00:34:52.965 --> 00:34:54.369 Bruce to discuss radiation

NOTE Confidence: 0.6555637875

00:34:54.370 --> 00:34:58.660 treatment. Thanks, Jerry. So

NOTE Confidence: 0.83039534

00:34:58.710 --> 00:35:00.831 just want to break down some of

NOTE Confidence: 0.83039534

00:35:00.831 --> 00:35:02.346 the different scenarios where we

NOTE Confidence: 0.83039534

00:35:02.346 --> 00:35:03.996 do radiation and and give some.

NOTE Confidence: 0.83039534

00:35:04.000 --> 00:35:05.944 Some of the core details I think would

NOTE Confidence: 0.83039534

00:35:05.944 --> 00:35:07.757 be most interesting to you guys.

NOTE Confidence: 0.83039534

00:35:07.760 --> 00:35:09.560 So for intact prostate

NOTE Confidence: 0.83039534

00:35:09.560 --> 00:35:11.360 basically the two options,

NOTE Confidence: 0.83039534

00:35:11.360 --> 00:35:13.358 one is external beam radiation where

NOTE Confidence: 0.83039534

00:35:13.358 --> 00:35:15.471 patients lying on a table machine

NOTE Confidence: 0.83039534

00:35:15.471 --> 00:35:17.613 moves around at the distance and

NOTE Confidence: 0.83039534

00:35:17.613 --> 00:35:19.820 shoots X-rays and the others breakey

NOTE Confidence: 0.83039534

00:35:19.820 --> 00:35:22.480 therapy usually with with seed implant.

NOTE Confidence: 0.83039534

00:35:22.480 --> 00:35:24.636 The vast majority of the of the

NOTE Confidence: 0.83039534

00:35:24.636 --> 00:35:26.975 gentleman these days in the US and

NOTE Confidence: 0.83039534

00:35:26.975 --> 00:35:28.665 really I think internationally get

NOTE Confidence: 0.83039534

00:35:28.665 --> 00:35:29.972 external beam breaking therapy

NOTE Confidence: 0.83039534

00:35:29.972 --> 00:35:32.324 still quite effective but in a much

NOTE Confidence: 0.83039534

00:35:32.324 --> 00:35:34.067 smaller percentage of the cases.

NOTE Confidence: 0.83039534

00:35:34.070 --> 00:35:37.220 Uh, and it's less commonly available.

NOTE Confidence: 0.83039534

00:35:37.220 --> 00:35:40.272 So within external beam you have what's

NOTE Confidence: 0.83039534

00:35:40.272 --> 00:35:41.900 really considered traditional IRT,

NOTE Confidence: 0.83039534

00:35:41.900 --> 00:35:42.876 which is intensity modulated

NOTE Confidence: 0.83039534

00:35:42.876 --> 00:35:44.096 radiation therapy that I think

NOTE Confidence: 0.83039534

00:35:44.096 --> 00:35:45.340 most people are familiar with.

NOTE Confidence: 0.83039534

00:35:45.340 --> 00:35:46.690 That's the nine week course,

NOTE Confidence: 0.83039534

00:35:46.690 --> 00:35:49.096 which is 40 to 45 treatments.

NOTE Confidence: 0.83039534

00:35:49.100 --> 00:35:51.655 We kind of rarely use that anymore.

NOTE Confidence: 0.83039534

00:35:51.660 --> 00:35:53.556 That's really for guys who have

NOTE Confidence: 0.83039534

00:35:53.556 --> 00:35:55.777 very large process or have a lot

NOTE Confidence: 0.83039534

00:35:55.777 --> 00:35:57.267 of urinary issues where we're

NOTE Confidence: 0.83039534

00:35:57.267 --> 00:35:59.297 trying to be very gentle per day.

NOTE Confidence: 0.83039534

00:35:59.300 --> 00:36:00.620 So most guys don't need that.

NOTE Confidence: 0.83039534

00:36:00.620 --> 00:36:02.216 We're mainly doing like Jerry referring

NOTE Confidence: 0.83039534

00:36:02.216 --> 00:36:04.420 to either the 28 treatments or the five.

NOTE Confidence: 0.83039534

00:36:04.420 --> 00:36:06.289 Treatments 20 actually can be 20 or

NOTE Confidence: 0.83039534

00:36:06.289 --> 00:36:08.720 28 in the Yale system we we followed

NOTE Confidence: 0.83039534

00:36:08.720 --> 00:36:10.720 the data most closely from the

NOTE Confidence: 0.83039534

00:36:10.720 --> 00:36:12.550 28 fraction or treatment regimen.

NOTE Confidence: 0.83039534

00:36:12.550 --> 00:36:14.190 So that's what we'll see.

NOTE Confidence: 0.83039534

00:36:14.190 --> 00:36:16.445 It's official title is moderately

NOTE Confidence: 0.83039534

00:36:16.445 --> 00:36:17.347 hypofractionated IRT,

NOTE Confidence: 0.83039534

00:36:17.350 --> 00:36:20.650 but for us it's 28 treatments.

NOTE Confidence: 0.83039534

00:36:20.650 --> 00:36:22.407 The other is the five treatment option.

NOTE Confidence: 0.83039534

00:36:22.410 --> 00:36:23.978 This one has a lot of nicknames.

NOTE Confidence: 0.83039534

00:36:23.980 --> 00:36:25.870 There's a lot of advertising around it.

NOTE Confidence: 0.83039534

00:36:25.870 --> 00:36:28.082 So I think it's important to know

NOTE Confidence: 0.83039534

00:36:28.082 --> 00:36:31.027 that the core technique is SBRT or

NOTE Confidence: 0.83039534

00:36:31.027 --> 00:36:32.947 stereotactic body radiation therapy.

NOTE Confidence: 0.83039534

00:36:32.950 --> 00:36:34.894 This is the technique that the cyber knife.

NOTE Confidence: 0.83039534

00:36:34.900 --> 00:36:37.476 Sheen does, but other machines do as well.

NOTE Confidence: 0.83039534

00:36:37.480 --> 00:36:39.196 So our machine here at Greenwich

NOTE Confidence: 0.83039534

00:36:39.196 --> 00:36:40.982 is the true beam, for example,

NOTE Confidence: 0.83039534

00:36:40.982 --> 00:36:43.229 and a lot of machines like that,

NOTE Confidence: 0.83039534

00:36:43.230 --> 00:36:44.465 they're high end machines that

NOTE Confidence: 0.83039534

00:36:44.465 --> 00:36:45.453 are capable of this,

NOTE Confidence: 0.83039534

00:36:45.460 --> 00:36:48.100 but Cyber net does it also sometimes called

NOTE Confidence: 0.83039534

00:36:48.100 --> 00:36:50.538 Saber in the Sloan Kettering system,

NOTE Confidence: 0.83039534

00:36:50.540 --> 00:36:50.926 excuse me,

NOTE Confidence: 0.83039534

00:36:50.926 --> 00:36:53.300 it's referred to as precision RT.

NOTE Confidence: 0.83039534

00:36:53.300 --> 00:36:53.946 But anyway,

NOTE Confidence: 0.83039534

00:36:53.946 --> 00:36:56.207 important to know that a lot of

NOTE Confidence: 0.83039534

00:36:56.207 --> 00:36:57.718 machines do this technique.

NOTE Confidence: 0.83039534

00:36:57.720 --> 00:36:58.988 It is very focused.

NOTE Confidence: 0.83039534

00:36:58.988 --> 00:37:01.366 The cure rates are the same between

NOTE Confidence: 0.83039534

00:37:01.366 --> 00:37:02.146 these options.

NOTE Confidence: 0.83039534

00:37:02.146 --> 00:37:05.234 The bowel issues and urine issues are very,

NOTE Confidence: 0.83039534

00:37:05.240 --> 00:37:05.808 very similar.

NOTE Confidence: 0.83039534

00:37:05.808 --> 00:37:07.796 There is some thought or or hints

NOTE Confidence: 0.83039534

00:37:07.796 --> 00:37:09.423 that the five treatment option

NOTE Confidence: 0.83039534

00:37:09.423 --> 00:37:11.355 because it's more intense per day

NOTE Confidence: 0.83039534

00:37:11.413 --> 00:37:13.282 might have a little more of an

NOTE Confidence: 0.83039534

00:37:13.282 --> 00:37:14.666 acute urinary side effect profile

NOTE Confidence: 0.83039534

00:37:14.666 --> 00:37:16.682 in the data that's out there that

NOTE Confidence: 0.83039534

00:37:16.682 --> 00:37:18.358 actually looks very, very similar.

NOTE Confidence: 0.83039534

00:37:18.358 --> 00:37:20.303 But anecdotally I think some

NOTE Confidence: 0.83039534

00:37:20.303 --> 00:37:21.837 physicians especially urologist who

NOTE Confidence: 0.83039534

00:37:21.837 --> 00:37:23.727 who follow the complications the most.

NOTE Confidence: 0.83039534

00:37:23.730 --> 00:37:26.124 Mostly feel like maybe there are

NOTE Confidence: 0.83039534

00:37:26.124 --> 00:37:28.460 sometimes some extra issues with that.

NOTE Confidence: 0.83039534

00:37:28.460 --> 00:37:29.280 For us,

NOTE Confidence: 0.83039534

00:37:29.280 --> 00:37:31.740 I think the big distinguisher is

NOTE Confidence: 0.83039534

00:37:31.740 --> 00:37:33.896 prostate size and baseline urinary

NOTE Confidence: 0.83039534

00:37:33.896 --> 00:37:36.822 issues if you have a prostate size

NOTE Confidence: 0.83039534

00:37:36.900 --> 00:37:38.560 under 60CC's and really fairly

NOTE Confidence: 0.83039534

00:37:38.560 --> 00:37:39.520 low urinary issues.

NOTE Confidence: 0.83039534

00:37:39.520 --> 00:37:41.109 And I think these guys tend to

NOTE Confidence: 0.83039534

00:37:41.109 --> 00:37:43.040 be a good candy for either one.

NOTE Confidence: 0.83039534

00:37:43.040 --> 00:37:44.756 But if you're anything beyond that,

NOTE Confidence: 0.815241292857143

00:37:44.760 --> 00:37:46.566 I really strongly caution guys that

NOTE Confidence: 0.815241292857143

00:37:46.566 --> 00:37:48.631 they kind of asking for trouble with

NOTE Confidence: 0.815241292857143

00:37:48.631 --> 00:37:50.730 five and we should really do the 28,

NOTE Confidence: 0.815241292857143

00:37:50.730 --> 00:37:52.578 which is a very solid track

NOTE Confidence: 0.815241292857143

00:37:52.578 --> 00:37:53.810 record in terms of.

NOTE Confidence: 0.815241292857143

00:37:53.810 --> 00:37:57.442 Pure and and toxicity breakey therapy

NOTE Confidence: 0.815241292857143

00:37:57.442 --> 00:37:58.897 briefly mentioned that's the seed

NOTE Confidence: 0.815241292857143

00:37:58.897 --> 00:38:00.058 implant or sometimes temporary

NOTE Confidence: 0.815241292857143

00:38:00.058 --> 00:38:01.986 catheters that are put in and then a

NOTE Confidence: 0.815241292857143

00:38:01.986 --> 00:38:03.438 radioactive source is placed in and out.

NOTE Confidence: 0.815241292857143

00:38:03.440 --> 00:38:05.282 I think this technique again very

NOTE Confidence: 0.815241292857143

00:38:05.282 --> 00:38:07.297 good especially for the low risk

NOTE Confidence: 0.815241292857143

00:38:07.297 --> 00:38:08.761 and favorable intermediate the

NOTE Confidence: 0.815241292857143

00:38:08.761 --> 00:38:10.536 jury was mentioning probably is

NOTE Confidence: 0.815241292857143

00:38:10.536 --> 00:38:12.060 the worst of the urinary staff

NOTE Confidence: 0.815241292857143

00:38:12.060 --> 00:38:14.502 profiles and can also be combined

NOTE Confidence: 0.815241292857143

00:38:14.502 --> 00:38:17.300 with external beam for high risk guys.

NOTE Confidence: 0.815241292857143

00:38:17.300 --> 00:38:19.550 But that's a bit of a of a nuance

NOTE Confidence: 0.815241292857143

00:38:19.550 --> 00:38:21.745 that it's probably not not so

NOTE Confidence: 0.815241292857143

00:38:21.745 --> 00:38:24.860 important for this this chat.

NOTE Confidence: 0.815241292857143

00:38:24.860 --> 00:38:26.915 For post prostatectomy.

NOTE Confidence: 0.815241292857143

00:38:26.920 --> 00:38:28.250 You're sometimes asked to give

NOTE Confidence: 0.815241292857143

00:38:28.250 --> 00:38:29.924 radiation within about 6 to 12

NOTE Confidence: 0.815241292857143

00:38:29.924 --> 00:38:31.100 months as adjuvant treatment.

NOTE Confidence: 0.815241292857143

00:38:31.100 --> 00:38:32.975 There's some very risky looking

NOTE Confidence: 0.815241292857143

00:38:32.975 --> 00:38:35.188 features that surgery pelvic nodes or

NOTE Confidence: 0.815241292857143

00:38:35.188 --> 00:38:37.127 the PSA does not go to undetectable.

NOTE Confidence: 0.815241292857143

00:38:37.130 --> 00:38:39.174 But most of what we're doing these

NOTE Confidence: 0.815241292857143

00:38:39.174 --> 00:38:40.940 days is called salvage radiation

NOTE Confidence: 0.815241292857143

00:38:40.940 --> 00:38:43.412 therapy and that's where the PC's

NOTE Confidence: 0.815241292857143

00:38:43.412 --> 00:38:45.172 gone undetectable and subsequently

NOTE Confidence: 0.815241292857143

00:38:45.172 --> 00:38:47.294 risen typically to something like

NOTE Confidence: 0.815241292857143

00:38:47.294 --> 00:38:50.243 .2 is our our most common cut

NOTE Confidence: 0.815241292857143

00:38:50.243 --> 00:38:52.609 off and we see the guys there.

NOTE Confidence: 0.815241292857143

00:38:52.610 --> 00:38:54.666 It's about a 37 to 39 treatment course,

NOTE Confidence: 0.815241292857143

00:38:54.670 --> 00:38:57.600 it's about 8 weeks and.

NOTE Confidence: 0.815241292857143

00:38:57.600 --> 00:38:59.480 There's some developing data about,

NOTE Confidence: 0.815241292857143

00:38:59.480 --> 00:39:00.940 including four to six months,

NOTE Confidence: 0.815241292857143

00:39:00.940 --> 00:39:02.410 usually six months of engine

NOTE Confidence: 0.815241292857143

00:39:02.410 --> 00:39:04.190 deprivation for these guys as well,

NOTE Confidence: 0.815241292857143

00:39:04.190 --> 00:39:05.600 especially if they're coming to

NOTE Confidence: 0.815241292857143

00:39:05.600 --> 00:39:07.678 us with a little bit higher PSA

NOTE Confidence: 0.815241292857143

00:39:07.678 --> 00:39:09.198 or some other feature that's

NOTE Confidence: 0.815241292857143

00:39:09.198 --> 00:39:10.820 a little riskier for Gleason.

NOTE Confidence: 0.815241292857143

00:39:10.820 --> 00:39:12.549 And the third category which is I

NOTE Confidence: 0.815241292857143

00:39:12.549 --> 00:39:14.129 think definitely the new kid on the

NOTE Confidence: 0.815241292857143

00:39:14.129 --> 00:39:15.863 block and you know is really not as

NOTE Confidence: 0.815241292857143

00:39:15.863 --> 00:39:17.375 well known but it's becoming really

NOTE Confidence: 0.815241292857143

00:39:17.375 --> 00:39:18.640 important is oligo metastatic.

NOTE Confidence: 0.815241292857143

00:39:18.640 --> 00:39:21.300 So these are the guys who have,

NOTE Confidence: 0.815241292857143

00:39:21.300 --> 00:39:22.845 they do have metastatic disease

NOTE Confidence: 0.815241292857143

00:39:22.845 --> 00:39:24.390 based on whichever imaging we'll

NOTE Confidence: 0.815241292857143

00:39:24.444 --> 00:39:26.040 talk in a later slide about that.

NOTE Confidence: 0.815241292857143

00:39:26.040 --> 00:39:27.923 But let's say they have in the

NOTE Confidence: 0.815241292857143

00:39:27.923 --> 00:39:29.919 prostate and they have two bone sites.

NOTE Confidence: 0.815241292857143

00:39:29.920 --> 00:39:32.160 Should we treat this guy the same as

NOTE Confidence: 0.815241292857143

00:39:32.160 --> 00:39:34.799 a guy who has 17 bone sites and some

NOTE Confidence: 0.815241292857143

00:39:34.799 --> 00:39:37.227 nodes in his in his chest and you

NOTE Confidence: 0.815241292857143

00:39:37.227 --> 00:39:39.282 know the the most recent data says

NOTE Confidence: 0.815241292857143

00:39:39.282 --> 00:39:40.938 that really we should treat these

NOTE Confidence: 0.815241292857143

00:39:40.938 --> 00:39:42.685 guys differently if they have all of them.

NOTE Confidence: 0.815241292857143

00:39:42.690 --> 00:39:44.970 That disease we should treat the

NOTE Confidence: 0.815241292857143

00:39:44.970 --> 00:39:47.911 prostate as part of the case is not

NOTE Confidence: 0.815241292857143

00:39:47.911 --> 00:39:49.222 replace hormone therapy and other

NOTE Confidence: 0.815241292857143

00:39:49.222 --> 00:39:50.990 things that that Dan will talk about.

NOTE Confidence: 0.815241292857143

00:39:50.990 --> 00:39:52.290 But in addition to that,

NOTE Confidence: 0.815241292857143

00:39:52.290 --> 00:39:55.160 treating the prostate has a survival benefit.

NOTE Confidence: 0.815241292857143

00:39:55.160 --> 00:39:56.721 And if we have again a limited

NOTE Confidence: 0.815241292857143

00:39:56.721 --> 00:39:57.740 number of bone sites,

NOTE Confidence: 0.815241292857143

00:39:57.740 --> 00:40:00.020 actually going after those bone

NOTE Confidence: 0.815241292857143

00:40:00.020 --> 00:40:02.415 sites can help to prevent additional

NOTE Confidence: 0.815241292857143

00:40:02.415 --> 00:40:04.794 bone sites from coming up and

NOTE Confidence: 0.815241292857143

00:40:04.794 --> 00:40:06.639 create a longer PSA control.

NOTE Confidence: 0.815241292857143

00:40:06.640 --> 00:40:09.460 Next slide please.

NOTE Confidence: 0.815241292857143

00:40:09.460 --> 00:40:10.730 Just give a little more detail,

NOTE Confidence: 0.815241292857143

00:40:10.730 --> 00:40:11.310 Jerry's mentioning.

NOTE Confidence: 0.815241292857143

00:40:11.310 --> 00:40:12.790 We put in the the gold markers and

NOTE Confidence: 0.815241292857143

00:40:12.790 --> 00:40:14.216 the gel refer to the gel first.

NOTE Confidence: 0.815241292857143

00:40:14.220 --> 00:40:16.676 So this is called the main product that's

NOTE Confidence: 0.815241292857143

00:40:16.676 --> 00:40:18.855 available these days is called space or gel,

NOTE Confidence: 0.815241292857143

00:40:18.860 --> 00:40:21.020 and this is a biodegradable gel.

NOTE Confidence: 0.815241292857143

00:40:21.020 --> 00:40:21.900 So it goes in,

NOTE Confidence: 0.815241292857143

00:40:21.900 --> 00:40:23.220 it lasts for three months and

NOTE Confidence: 0.815241292857143

00:40:23.277 --> 00:40:24.727 then dissolves back to water

NOTE Confidence: 0.815241292857143

00:40:24.727 --> 00:40:26.177 over another three months and

NOTE Confidence: 0.8301060496

00:40:26.236 --> 00:40:27.536 just absorbed by the body.

NOTE Confidence: 0.8301060496

00:40:27.540 --> 00:40:29.472 And as you can appreciate in the

NOTE Confidence: 0.8301060496

00:40:29.472 --> 00:40:31.549 upper left in the cartoon and then

NOTE Confidence: 0.8301060496

00:40:31.549 --> 00:40:33.740 the real MRI pictures on the right,

NOTE Confidence: 0.8301060496

00:40:33.740 --> 00:40:36.004 it's really trying to create this pad of

NOTE Confidence: 0.8301060496

00:40:36.004 --> 00:40:38.157 gel between the prostate and the ******.

NOTE Confidence: 0.8301060496

00:40:38.160 --> 00:40:39.972 And as I tell patients, it's not.

NOTE Confidence: 0.8301060496

00:40:39.972 --> 00:40:41.865 It's not a shield, it's not absorbing

NOTE Confidence: 0.8301060496

00:40:41.865 --> 00:40:43.640 radiation in some magical way,

NOTE Confidence: 0.8301060496

00:40:43.640 --> 00:40:45.677 but it's creating with that gap that's

NOTE Confidence: 0.8301060496

00:40:45.677 --> 00:40:48.088 allowing us to drop the dose very quickly

NOTE Confidence: 0.8301060496

00:40:48.088 --> 00:40:50.252 between the process and the ****** and

NOTE Confidence: 0.8301060496

00:40:50.252 --> 00:40:52.296 it helps to reduce rectal side effects.

NOTE Confidence: 0.8301060496

00:40:52.300 --> 00:40:54.364 So not every guy is a

NOTE Confidence: 0.8301060496

00:40:54.364 --> 00:40:55.740 good candidate for this,

NOTE Confidence: 0.8301060496

00:40:55.740 --> 00:40:56.836 but most guys are.

NOTE Confidence: 0.8301060496

00:40:56.836 --> 00:40:58.920 And if there's a a nuance to it,

NOTE Confidence: 0.8301060496

00:40:58.920 --> 00:41:00.439 then we work with the urologist about,

NOTE Confidence: 0.8301060496

00:41:00.440 --> 00:41:02.136 you know, who's a good candidate versus not.

NOTE Confidence: 0.8301060496

00:41:02.140 --> 00:41:04.946 So some guy who has posterior extension of

NOTE Confidence: 0.8301060496

00:41:04.946 --> 00:41:07.340 of cancer on MRI that's pretty pronounced,

NOTE Confidence: 0.8301060496

00:41:07.340 --> 00:41:08.996 may not be a good candidate for example,

NOTE Confidence: 0.8301060496

00:41:09.000 --> 00:41:11.752 but most guys are.

NOTE Confidence: 0.8301060496

00:41:11.752 --> 00:41:14.295 And so I think you'll be hearing more

NOTE Confidence: 0.8301060496

00:41:14.295 --> 00:41:16.933 and more about guys who got gel on with

NOTE Confidence: 0.8301060496

00:41:16.933 --> 00:41:18.899 their markers with definitely a big helper.

NOTE Confidence: 0.8301060496

00:41:18.900 --> 00:41:19.779 Next slide, please.

NOTE Confidence: 0.850078931428571

00:41:22.030 --> 00:41:23.011 There are different

NOTE Confidence: 0.850078931428571

00:41:23.011 --> 00:41:24.319 fiducials that are possible.

NOTE Confidence: 0.850078931428571

00:41:24.320 --> 00:41:25.448 I say the most common ones

NOTE Confidence: 0.850078931428571

00:41:25.448 --> 00:41:26.811 and that we use are gold and

NOTE Confidence: 0.850078931428571

00:41:26.811 --> 00:41:28.127 you can see a zoomed in view.

NOTE Confidence: 0.850078931428571

00:41:28.130 --> 00:41:30.322 They they have a little bit of a

NOTE Confidence: 0.850078931428571

00:41:30.322 --> 00:41:32.508 texture or rifling to them to help

NOTE Confidence: 0.850078931428571

00:41:32.508 --> 00:41:34.650 stick in the prostate not migrate.

NOTE Confidence: 0.850078931428571

00:41:34.650 --> 00:41:36.360 But there there are ceramic

NOTE Confidence: 0.850078931428571

00:41:36.360 --> 00:41:37.386 versions of these.

NOTE Confidence: 0.850078931428571

00:41:37.390 --> 00:41:38.930 There are long coiled versions.

NOTE Confidence: 0.850078931428571

00:41:38.930 --> 00:41:42.754 There's another one that has a a called

NOTE Confidence: 0.850078931428571

00:41:42.754 --> 00:41:45.930 Calypso that has an electromagnetic.

NOTE Confidence: 0.850078931428571

00:41:45.930 --> 00:41:48.082 Frequency is like an RF powered device that

NOTE Confidence: 0.850078931428571

00:41:48.082 --> 00:41:50.397 can be checked multiple times a second.

NOTE Confidence: 0.850078931428571

00:41:50.400 --> 00:41:51.920 So there are multiple types,

NOTE Confidence: 0.850078931428571

00:41:51.920 --> 00:41:53.819 but I think you know the goal ones are

NOTE Confidence: 0.850078931428571

00:41:53.819 --> 00:41:55.637 the most standard work really well.

NOTE Confidence: 0.850078931428571

00:41:55.640 --> 00:41:58.536 The imaging on on the lower right is

NOTE Confidence: 0.850078931428571

00:41:58.536 --> 00:42:00.846 what's called a cone beam CT you know

NOTE Confidence: 0.850078931428571

00:42:00.846 --> 00:42:02.334 when when patients are asking us,

NOTE Confidence: 0.850078931428571

00:42:02.340 --> 00:42:03.530 you know, how do you know that,

NOTE Confidence: 0.850078931428571

00:42:03.530 --> 00:42:04.610 that the treatment is accurate?

NOTE Confidence: 0.850078931428571

00:42:04.610 --> 00:42:05.540 You can't see my prostate,

NOTE Confidence: 0.850078931428571

00:42:05.540 --> 00:42:06.524 but the treatment say,

NOTE Confidence: 0.850078931428571

00:42:06.524 --> 00:42:08.240 well every day before we treat you,

NOTE Confidence: 0.850078931428571

00:42:08.240 --> 00:42:09.787 we spin the machine around and we

NOTE Confidence: 0.850078931428571

00:42:09.787 --> 00:42:11.606 take an image that's a cone beam CT

NOTE Confidence: 0.850078931428571

00:42:11.606 --> 00:42:13.278 that looks very much like a CAT scan.

NOTE Confidence: 0.850078931428571

00:42:13.280 --> 00:42:14.834 We overlay it with the real CAT

NOTE Confidence: 0.850078931428571

00:42:14.834 --> 00:42:16.420 scan that we get for planning.

NOTE Confidence: 0.850078931428571

00:42:16.420 --> 00:42:16.765 Services.

NOTE Confidence: 0.850078931428571

00:42:16.765 --> 00:42:19.180 So in this view here with this

NOTE Confidence: 0.850078931428571

00:42:19.180 --> 00:42:21.020 kind of quartered view,

NOTE Confidence: 0.850078931428571

00:42:21.020 --> 00:42:23.060 the upper left and the lower right is

NOTE Confidence: 0.850078931428571

00:42:23.060 --> 00:42:25.095 from the real CAT scan and the cone

NOTE Confidence: 0.850078931428571

00:42:25.095 --> 00:42:27.516 beam is the upper right and the lower left.

NOTE Confidence: 0.850078931428571

00:42:27.520 --> 00:42:29.088 You can see that there's some slight

NOTE Confidence: 0.850078931428571

00:42:29.088 --> 00:42:30.579 differences in how the tissues appear,

NOTE Confidence: 0.850078931428571

00:42:30.580 --> 00:42:31.561 but they're really,

NOTE Confidence: 0.850078931428571

00:42:31.561 --> 00:42:33.523 it's really very robust and you

NOTE Confidence: 0.850078931428571

00:42:33.523 --> 00:42:35.656 can see with the this red arrow

NOTE Confidence: 0.850078931428571

00:42:35.656 --> 00:42:37.180 what the gold markets like.

NOTE Confidence: 0.850078931428571

00:42:37.180 --> 00:42:39.632 So the gold markers are are very

NOTE Confidence: 0.850078931428571

00:42:39.632 --> 00:42:41.192 easily distinguished and this is

NOTE Confidence: 0.850078931428571

00:42:41.192 --> 00:42:43.747 what helps us to have a high degree

NOTE Confidence: 0.850078931428571

00:42:43.747 --> 00:42:45.619 of confidence that we're on target.

NOTE Confidence: 0.850078931428571

00:42:45.620 --> 00:42:47.303 Now some guys are not a candidate for this.

NOTE Confidence: 0.850078931428571

00:42:47.310 --> 00:42:47.892 They, you know,

NOTE Confidence: 0.850078931428571

00:42:47.892 --> 00:42:49.056 they're on blood thinners and they.

NOTE Confidence: 0.850078931428571

00:42:49.060 --> 00:42:50.635 If we feel from primary care that

NOTE Confidence: 0.850078931428571

00:42:50.635 --> 00:42:51.839 you're for their cardiologist that

NOTE Confidence: 0.850078931428571

00:42:51.839 --> 00:42:53.512 that's just not going to be safe

NOTE Confidence: 0.850078931428571

00:42:53.512 --> 00:42:54.993 to go off blood thinners again

NOTE Confidence: 0.850078931428571

00:42:54.993 --> 00:42:56.401 or they simply don't want another

NOTE Confidence: 0.850078931428571

00:42:56.401 --> 00:42:57.456 procedure or whatever it is.

NOTE Confidence: 0.850078931428571

00:42:57.460 --> 00:42:59.828 So we do have an option to not

NOTE Confidence: 0.850078931428571

00:42:59.828 --> 00:43:02.020 do gel and not do markers.

NOTE Confidence: 0.850078931428571

00:43:02.020 --> 00:43:03.360 If we're going without markers,

NOTE Confidence: 0.850078931428571

00:43:03.360 --> 00:43:05.292 then the margins that we use around

NOTE Confidence: 0.850078931428571

00:43:05.292 --> 00:43:07.267 the prostate are a little bit larger

NOTE Confidence: 0.850078931428571

00:43:07.267 --> 00:43:09.245 because we don't have quite the same

NOTE Confidence: 0.850078931428571

00:43:09.245 --> 00:43:11.015 degree of confidence about the alignment.

NOTE Confidence: 0.850078931428571

00:43:11.020 --> 00:43:12.798 We can still take this comb beam

NOTE Confidence: 0.850078931428571

00:43:12.798 --> 00:43:14.559 image and see the soft tissues.

NOTE Confidence: 0.850078931428571

00:43:14.560 --> 00:43:16.416 So we we can get very, very close,

NOTE Confidence: 0.850078931428571

00:43:16.416 --> 00:43:19.164 but the markers even even nicer.

NOTE Confidence: 0.850078931428571

00:43:19.170 --> 00:43:21.198 Next slide please.

NOTE Confidence: 0.850078931428571

00:43:21.200 --> 00:43:21.511 Uh,

NOTE Confidence: 0.850078931428571

00:43:21.511 --> 00:43:23.377 just a quick word about better

NOTE Confidence: 0.850078931428571

00:43:23.377 --> 00:43:24.310 imaging for prostate.

NOTE Confidence: 0.850078931428571

00:43:24.310 --> 00:43:26.291 So if we're moving into that intermediate

NOTE Confidence: 0.850078931428571

00:43:26.291 --> 00:43:28.172 or high risk prostate cancer and

NOTE Confidence: 0.850078931428571

00:43:28.172 --> 00:43:30.128 above where we're trying to staging,

NOTE Confidence: 0.850078931428571

00:43:30.130 --> 00:43:31.099 you know, convention,

NOTE Confidence: 0.850078931428571

00:43:31.099 --> 00:43:33.037 we're getting an MMR and usually

NOTE Confidence: 0.850078931428571

00:43:33.037 --> 00:43:34.482 getting a CAT scan, abdomen,

NOTE Confidence: 0.850078931428571

00:43:34.482 --> 00:43:36.450 pelvis and bone scan.

NOTE Confidence: 0.850078931428571

00:43:36.450 --> 00:43:37.670 These are still good,

NOTE Confidence: 0.850078931428571

00:43:37.670 --> 00:43:38.585 still highly supported.

NOTE Confidence: 0.850078931428571

00:43:38.590 --> 00:43:40.930 Some insurance companies will still insist

NOTE Confidence: 0.850078931428571

00:43:40.930 --> 00:43:43.370 on getting those instead of a pet scan,

NOTE Confidence: 0.850078931428571

00:43:43.370 --> 00:43:45.302 but I think that the that

NOTE Confidence: 0.850078931428571

00:43:45.302 --> 00:43:46.590 the trend is definitely

NOTE Confidence: 0.804477494166667

00:43:46.663 --> 00:43:47.754 to allow PET scans.

NOTE Confidence: 0.804477494166667

00:43:47.754 --> 00:43:50.010 The first PET scan that we had access

NOTE Confidence: 0.804477494166667

00:43:50.076 --> 00:43:52.020 to around here was called Axemen.

NOTE Confidence: 0.804477494166667

00:43:52.020 --> 00:43:53.749 The newer one, I think we have

NOTE Confidence: 0.804477494166667

00:43:53.749 --> 00:43:55.340 a little more confidence in.

NOTE Confidence: 0.804477494166667

00:43:55.340 --> 00:43:57.420 It has some trade names like Polara 5,

NOTE Confidence: 0.804477494166667

00:43:57.420 --> 00:44:01.378 but it's really a PSM, a pet CT,

NOTE Confidence: 0.804477494166667

00:44:01.380 --> 00:44:02.836 another slide about this in a moment,

NOTE Confidence: 0.804477494166667

00:44:02.840 --> 00:44:06.518 but currently for the PSA pet,

NOTE Confidence: 0.804477494166667

00:44:06.520 --> 00:44:08.779 we're having a gentleman go up to New Haven,

NOTE Confidence: 0.804477494166667

00:44:08.780 --> 00:44:10.719 but later this month it will be

NOTE Confidence: 0.804477494166667

00:44:10.719 --> 00:44:12.019 available at Greenwich as well.

NOTE Confidence: 0.804477494166667

00:44:12.020 --> 00:44:13.742 We'll see this popping up I

NOTE Confidence: 0.804477494166667

00:44:13.742 --> 00:44:15.539 think in other places over time.

NOTE Confidence: 0.804477494166667

00:44:15.540 --> 00:44:16.398 Next slide please.

NOTE Confidence: 0.810822032

00:44:18.440 --> 00:44:19.570 Just a little little bird

NOTE Confidence: 0.810822032

00:44:19.570 --> 00:44:20.700 I'm going to focus on,

NOTE Confidence: 0.810822032

00:44:20.700 --> 00:44:22.275 on the mid and bottom part of the slide.

NOTE Confidence: 0.810822032

00:44:22.280 --> 00:44:24.272 So this this PSM, a pet can be

NOTE Confidence: 0.810822032

00:44:24.272 --> 00:44:26.506 used for gentleman with an initial

NOTE Confidence: 0.810822032

00:44:26.506 --> 00:44:28.586 diagnosis prostate cancer or if

NOTE Confidence: 0.810822032

00:44:28.586 --> 00:44:30.958 they're post treatment either post

NOTE Confidence: 0.810822032

00:44:30.958 --> 00:44:32.846 prostatectomy or post radiation.

NOTE Confidence: 0.810822032

00:44:32.850 --> 00:44:34.893 We're seeing a PSA rise and we want to

NOTE Confidence: 0.810822032

00:44:34.893 --> 00:44:37.080 hunt down where the spot is or spots are.

NOTE Confidence: 0.810822032

00:44:37.080 --> 00:44:39.656 This is a a great study for that.

NOTE Confidence: 0.810822032

00:44:39.660 --> 00:44:42.636 PSA is prostate specific membrane antigen.

NOTE Confidence: 0.810822032

00:44:42.640 --> 00:44:44.649 So this is a little more specific

NOTE Confidence: 0.810822032

00:44:44.649 --> 00:44:46.219 to prostate cells is overexpressed

NOTE Confidence: 0.810822032

00:44:46.219 --> 00:44:47.863 and over 90% of prostate cancer

NOTE Confidence: 0.810822032

00:44:47.863 --> 00:44:49.189 cells and that's really the magic

NOTE Confidence: 0.810822032

00:44:49.189 --> 00:44:50.498 of how we can make this work.

NOTE Confidence: 0.810822032

00:44:50.500 --> 00:44:52.588 So this is not a regular

NOTE Confidence: 0.810822032

00:44:52.588 --> 00:44:53.980 pet scan with glucose.

NOTE Confidence: 0.810822032

00:44:53.980 --> 00:44:57.459 This is really targeted to to PSA and

NOTE Confidence: 0.810822032

00:44:57.459 --> 00:44:59.373 interestingly and hopefully it is has

NOTE Confidence: 0.810822032

00:44:59.373 --> 00:45:01.924 a high degree of expression with those

NOTE Confidence: 0.810822032

00:45:01.924 --> 00:45:04.014 higher leasing score, nastier tumors.

NOTE Confidence: 0.810822032

00:45:04.014 --> 00:45:05.430 Next slide please.

NOTE Confidence: 0.798895276666667

00:45:07.460 --> 00:45:08.009 Are you OK?

NOTE Confidence: 0.86075432

00:45:12.760 --> 00:45:13.810 Turn this over to Dan.

NOTE Confidence: 0.48301995

00:45:22.800 --> 00:45:24.014 Hi, Dan, I think you're on mute still.

NOTE Confidence: 0.866829116470588

00:45:29.470 --> 00:45:31.213 I think it's important to note that

NOTE Confidence: 0.866829116470588

00:45:31.213 --> 00:45:33.167 we've made a tremendous amount of

NOTE Confidence: 0.866829116470588

00:45:33.167 --> 00:45:34.707 progress in metastatic disease,

NOTE Confidence: 0.866829116470588

00:45:34.710 --> 00:45:36.666 not only in the earlier treatment

NOTE Confidence: 0.866829116470588

00:45:36.666 --> 00:45:38.716 of prostate cancer when we call

NOTE Confidence: 0.866829116470588

00:45:38.716 --> 00:45:40.088 the hormone sensitive state,

NOTE Confidence: 0.866829116470588

00:45:40.090 --> 00:45:41.746 which is what this patient is,

NOTE Confidence: 0.866829116470588

00:45:41.750 --> 00:45:44.240 but in the hormone resistant

NOTE Confidence: 0.866829116470588

00:45:44.240 --> 00:45:46.232 or castration resistant state.

NOTE Confidence: 0.866829116470588

00:45:46.240 --> 00:45:51.080 In fact, in 1991, my esteemed Lake colleague,

NOTE Confidence: 0.866829116470588

00:45:51.080 --> 00:45:52.781 Alan, you go to my published paper

NOTE Confidence: 0.866829116470588

00:45:52.781 --> 00:45:54.090 saying that patients only lived

NOTE Confidence: 0.866829116470588

00:45:54.090 --> 00:45:55.415 about a year with chemotherapy.

NOTE Confidence: 0.866829116470588

00:45:55.420 --> 00:45:56.932 Well, we've extended that out with

NOTE Confidence: 0.866829116470588

00:45:56.932 --> 00:45:58.525 all of our other treatments to

NOTE Confidence: 0.866829116470588

00:45:58.525 --> 00:46:00.127 about three years at this point

NOTE Confidence: 0.866829116470588

00:46:00.127 --> 00:46:01.815 and with good quality of life

NOTE Confidence: 0.866829116470588

00:46:01.815 --> 00:46:03.195 and for metastatic patients such

NOTE Confidence: 0.866829116470588

00:46:03.195 --> 00:46:05.838 as this five year survival to 7

NOTE Confidence: 0.866829116470588

00:46:05.838 --> 00:46:08.380 year survival is not unexpected.

NOTE Confidence: 0.866829116470588

00:46:08.380 --> 00:46:10.558 So this 82 year old male,

NOTE Confidence: 0.866829116470588

00:46:10.560 --> 00:46:12.585 very active develops lower back

NOTE Confidence: 0.866829116470588

00:46:12.585 --> 00:46:14.205 pain while playing tennis.

NOTE Confidence: 0.866829116470588

00:46:14.210 --> 00:46:15.506 He goes to see his internist,

NOTE Confidence: 0.866829116470588

00:46:15.510 --> 00:46:17.750 who does a series of L spine films,

NOTE Confidence: 0.866829116470588

00:46:17.750 --> 00:46:21.740 which demonstrate sclerotic bone metastases.

NOTE Confidence: 0.866829116470588

00:46:21.740 --> 00:46:23.240 He has a PSA of 1200.

NOTE Confidence: 0.866829116470588

00:46:23.240 --> 00:46:25.696 He's referred for a biopsy of his prostate,

NOTE Confidence: 0.866829116470588

00:46:25.700 --> 00:46:28.184 which demonstrates at least

NOTE Confidence: 0.866829116470588

00:46:28.184 --> 00:46:29.426 nine adenocarcinoma.

NOTE Confidence: 0.866829116470588

00:46:29.430 --> 00:46:30.802 Imaging detects multiple bone

NOTE Confidence: 0.866829116470588

00:46:30.802 --> 00:46:32.860 metastases in the ribs and thoracic

NOTE Confidence: 0.866829116470588

00:46:32.914 --> 00:46:34.546 as well as lumbar sacral spine.

NOTE Confidence: 0.866829116470588

00:46:34.550 --> 00:46:36.909 So this is not the patient that

NOTE Confidence: 0.866829116470588

00:46:36.909 --> 00:46:38.809 Doctor Mcgibbon spoke about before.

NOTE Confidence: 0.866829116470588

00:46:38.810 --> 00:46:40.826 This patient would not benefit from

NOTE Confidence: 0.866829116470588

00:46:40.826 --> 00:46:42.507 receiving radiation therapy to his

NOTE Confidence: 0.866829116470588

00:46:42.507 --> 00:46:45.480 prostate or to the metastases but.

NOTE Confidence: 0.866829116470588

00:46:45.480 --> 00:46:48.060 Would really require systemic therapy.

NOTE Confidence: 0.866829116470588

00:46:48.060 --> 00:46:50.802 So this patient goes on androgen

NOTE Confidence: 0.866829116470588

00:46:50.802 --> 00:46:53.234 deprivation therapy with a drug

NOTE Confidence: 0.866829116470588

00:46:53.234 --> 00:46:55.314 called degarelix which rapidly

NOTE Confidence: 0.866829116470588

00:46:55.314 --> 00:46:57.064 reduces the testosterone levels

NOTE Confidence: 0.866829116470588

00:46:57.064 --> 00:46:59.880 within 24 to 48 hours to less than

NOTE Confidence: 0.866829116470588

00:46:59.954 --> 00:47:02.342 50 nanograms per deciliter which is

NOTE Confidence: 0.866829116470588

00:47:02.342 --> 00:47:05.129 considered to be castrate and also he

NOTE Confidence: 0.866829116470588

00:47:05.129 --> 00:47:07.004 starts a drug called enzalutamide.

NOTE Confidence: 0.866829116470588

00:47:07.010 --> 00:47:09.404 Which is in next generation and antigen,

NOTE Confidence: 0.866829116470588

00:47:09.410 --> 00:47:10.529 which is originally,

NOTE Confidence: 0.866829116470588

00:47:10.529 --> 00:47:12.394 which was originally approved for

NOTE Confidence: 0.866829116470588

00:47:12.394 --> 00:47:14.189 patients with resistant disease,

NOTE Confidence: 0.866829116470588

00:47:14.190 --> 00:47:16.276 but now is being moved up front

NOTE Confidence: 0.866829116470588

00:47:16.276 --> 00:47:17.170 to these patients.

NOTE Confidence: 0.866829116470588

00:47:17.170 --> 00:47:19.822 So all these patients really deserve

NOTE Confidence: 0.866829116470588

00:47:19.822 --> 00:47:22.955 the chance of having what we call

NOTE Confidence: 0.866829116470588

00:47:22.955 --> 00:47:25.090 the best next generation agent.

NOTE Confidence: 0.866829116470588

00:47:25.090 --> 00:47:27.090 And drugs such as enzalutamide,

NOTE Confidence: 0.866829116470588

00:47:27.090 --> 00:47:27.720 apalutamide,

NOTE Confidence: 0.866829116470588

00:47:27.720 --> 00:47:31.500 abiraterone are all given to these

NOTE Confidence: 0.866829116470588

00:47:31.500 --> 00:47:33.425 patients in the early stages of

NOTE Confidence: 0.866829116470588

00:47:33.425 --> 00:47:34.720 metastases rather than the late

NOTE Confidence: 0.866829116470588

00:47:34.768 --> 00:47:36.588 stages where they originally approved.

NOTE Confidence: 0.866829116470588

00:47:36.590 --> 00:47:38.489 And we see that there's more of a survival.

NOTE Confidence: 0.866829116470588

00:47:38.490 --> 00:47:40.325 Benefit in these patients with

NOTE Confidence: 0.866829116470588

00:47:40.325 --> 00:47:41.059 this treatment,

NOTE Confidence: 0.866829116470588

00:47:41.060 --> 00:47:42.444 chemotherapy is also administered

NOTE Confidence: 0.866829116470588

00:47:42.444 --> 00:47:44.174 in this area as well,

NOTE Confidence: 0.866829116470588

00:47:44.180 --> 00:47:47.150 so common complications that an internist

NOTE Confidence: 0.866829116470588

00:47:47.150 --> 00:47:51.080 may see in this disease include hot flushes,

NOTE Confidence: 0.866829116470588

00:47:51.080 --> 00:47:53.162 osteoporosis, anemia.

NOTE Confidence: 0.866829116470588

00:47:53.162 --> 00:47:55.244 Impotence, fatigue,

NOTE Confidence: 0.866829116470588

00:47:55.244 --> 00:47:57.920 and weakness, muscle wasting.

NOTE Confidence: 0.866829116470588

00:47:57.920 --> 00:47:59.985 That's something we can do something about.

NOTE Confidence: 0.866829116470588

00:47:59.990 --> 00:48:02.587 All of my patients with prostate cancer,

NOTE Confidence: 0.866829116470588

00:48:02.590 --> 00:48:04.900 I recommend that they maintain

NOTE Confidence: 0.866829116470588

00:48:04.900 --> 00:48:06.748 an active exercise program,

NOTE Confidence: 0.866829116470588

00:48:06.750 --> 00:48:07.962 including lifting weights.

NOTE Confidence: 0.866829116470588

00:48:07.962 --> 00:48:10.790 They have to maintain the muscle mass

NOTE Confidence: 0.866829116470588

00:48:10.858 --> 00:48:12.858 because of course without testosterone

NOTE Confidence: 0.866829116470588

00:48:12.858 --> 00:48:15.282 we can have issues cardiovascular side

NOTE Confidence: 0.866829116470588

00:48:15.282 --> 00:48:17.337 effects of being newly identified.

NOTE Confidence: 0.866829116470588

00:48:17.340 --> 00:48:19.296 And these include a higher risk

NOTE Confidence: 0.866829116470588

00:48:19.296 --> 00:48:21.015 of a second myocardial infarction

NOTE Confidence: 0.866829116470588

00:48:21.015 --> 00:48:23.430 within six in a patient who's had

NOTE Confidence: 0.866829116470588

00:48:23.430 --> 00:48:25.039 a myocardial infarction within

NOTE Confidence: 0.866829116470588

00:48:25.039 --> 00:48:27.613 six months of starting an engine

NOTE Confidence: 0.866829116470588

00:48:27.613 --> 00:48:28.471 deprivation therapy.

NOTE Confidence: 0.866829116470588

00:48:28.480 --> 00:48:30.280 And the guidelines for managing

NOTE Confidence: 0.866829116470588

00:48:30.280 --> 00:48:31.720 cardiovascular patients are really

NOTE Confidence: 0.866829116470588

00:48:31.720 --> 00:48:33.537 not as clear as we would like them

NOTE Confidence: 0.866829116470588

00:48:33.537 --> 00:48:35.328 to be at this particular point.

NOTE Confidence: 0.732602069

00:48:37.340 --> 00:48:39.285 Next slide. Hot flushes occur

NOTE Confidence: 0.732602069

00:48:39.285 --> 00:48:42.108 at about half to 80% of men.

NOTE Confidence: 0.732602069

00:48:42.108 --> 00:48:44.303 It's usually a sudden perceived

NOTE Confidence: 0.732602069

00:48:44.303 --> 00:48:45.620 increase in temperature,

NOTE Confidence: 0.732602069

00:48:45.620 --> 00:48:46.950 accompanied by reading of the

NOTE Confidence: 0.732602069

00:48:46.950 --> 00:48:48.014 skin and profuse sweating.

NOTE Confidence: 0.732602069

00:48:48.020 --> 00:48:48.809 Next slide, please.

NOTE Confidence: 0.759943108

00:48:50.840 --> 00:48:53.540 And this is usually spontaneous,

NOTE Confidence: 0.759943108

00:48:53.540 --> 00:48:55.320 changes in body position or

NOTE Confidence: 0.759943108

00:48:55.320 --> 00:48:57.616 ingestion of hot liquids can also

NOTE Confidence: 0.759943108

00:48:57.616 --> 00:48:59.396 cause this particular problem,

NOTE Confidence: 0.759943108

00:48:59.400 --> 00:49:00.696 environmental changes as well.

NOTE Confidence: 0.759943108

00:49:00.696 --> 00:49:03.439 So what do we do about hot flashes?

NOTE Confidence: 0.759943108

00:49:03.440 --> 00:49:05.210 We generally will ask the patient

NOTE Confidence: 0.759943108

00:49:05.210 --> 00:49:07.219 try to try soy products because

NOTE Confidence: 0.759943108

00:49:07.219 --> 00:49:09.124 they do have phytoestrogens and

NOTE Confidence: 0.759943108

00:49:09.124 --> 00:49:11.319 that tends to counteract that.

NOTE Confidence: 0.759943108

00:49:11.320 --> 00:49:13.930 Additionally, drugs such as effects Effexor,

NOTE Confidence: 0.759943108

00:49:13.930 --> 00:49:15.466 Clonidine are also effective

NOTE Confidence: 0.759943108

00:49:15.466 --> 00:49:16.618 in these patients.

NOTE Confidence: 0.759943108

00:49:16.620 --> 00:49:18.404 We generally will reserve

NOTE Confidence: 0.759943108

00:49:18.404 --> 00:49:20.634 that for severe hot flushes.

NOTE Confidence: 0.759943108

00:49:20.640 --> 00:49:23.550 Osteoporosis is really a more recognized

NOTE Confidence: 0.759943108

00:49:23.550 --> 00:49:27.438 problem in men over the last several years,

NOTE Confidence: 0.759943108

00:49:27.440 --> 00:49:30.466 and about 25 to 30% of all osteoporotic

NOTE Confidence: 0.759943108

00:49:30.466 --> 00:49:32.638 hip fractures do occur in men.

NOTE Confidence: 0.759943108

00:49:32.640 --> 00:49:35.656 By 2025 we expect about 1.1 million cases,

NOTE Confidence: 0.759943108

00:49:35.656 --> 00:49:38.071 and as one would expect with a patient

NOTE Confidence: 0.759943108

00:49:38.071 --> 00:49:40.336 zoning going ancient deprivation therapy,

NOTE Confidence: 0.759943108

00:49:40.340 --> 00:49:42.552 the major causes hypogonadism.

NOTE Confidence: 0.759943108

00:49:42.552 --> 00:49:46.383 Women can also experience this who are

NOTE Confidence: 0.759943108

00:49:46.383 --> 00:49:48.632 on LHRH agonists for endometriosis,

NOTE Confidence: 0.759943108

00:49:48.632 --> 00:49:50.090 and that's why.

NOTE Confidence: 0.759943108

00:49:50.090 --> 00:49:51.600 The use is usually limited

NOTE Confidence: 0.759943108

00:49:51.600 --> 00:49:52.808 to about six months.

NOTE Confidence: 0.759943108

00:49:52.810 --> 00:49:53.608 Next slide please.

NOTE Confidence: 0.745898775

00:49:55.780 --> 00:49:58.498 So generally a man will lose,

NOTE Confidence: 0.745898775

00:49:58.500 --> 00:50:03.156 after age 35, zero .5 to 1% of their

NOTE Confidence: 0.745898775

00:50:03.156 --> 00:50:05.396 bone mineral density per year.

NOTE Confidence: 0.745898775

00:50:05.400 --> 00:50:07.350 That's accelerated in the patient

NOTE Confidence: 0.745898775

00:50:07.350 --> 00:50:08.910 on androgen deprivation therapy

NOTE Confidence: 0.745898775

00:50:08.910 --> 00:50:12.438 to 1.4% to 2.6% per year and

NOTE Confidence: 0.745898775

00:50:12.438 --> 00:50:15.600 compared to age matched controls.

NOTE Confidence: 0.745898775

00:50:15.600 --> 00:50:17.340 Men on energy deprivation therapy

NOTE Confidence: 0.745898775

00:50:17.340 --> 00:50:21.316 have a 6.5% to 7070.3% risk of

NOTE Confidence: 0.745898775

00:50:21.316 --> 00:50:23.308 higher bone loss and the rates

NOTE Confidence: 0.745898775

00:50:23.308 --> 00:50:25.139 of fractures are higher.

NOTE Confidence: 0.745898775

00:50:25.140 --> 00:50:27.720 So in the hormone sensitive state

NOTE Confidence: 0.745898775

00:50:27.720 --> 00:50:30.122 the patient we would consider

NOTE Confidence: 0.745898775

00:50:30.122 --> 00:50:32.488 giving calcium and vitamin D2.

NOTE Confidence: 0.796573007533333

00:50:34.550 --> 00:50:37.340 And we see this is in a patient who's

NOTE Confidence: 0.796573007533333

00:50:37.340 --> 00:50:39.946 head does not have bone metastases,

NOTE Confidence: 0.796573007533333

00:50:39.950 --> 00:50:42.764 who's treated for more than six months.

NOTE Confidence: 0.796573007533333

00:50:42.770 --> 00:50:44.610 This is 218 patients.

NOTE Confidence: 0.796573007533333

00:50:44.610 --> 00:50:47.581 A 6% fracture rate is seen and the median

NOTE Confidence: 0.796573007533333

00:50:47.581 --> 00:50:49.810 time to fracture is 28 months. Next slide.

NOTE Confidence: 0.788952241666667

00:50:51.930 --> 00:50:53.568 So we we generally as I said

NOTE Confidence: 0.788952241666667

00:50:53.568 --> 00:50:55.449 before in a metastatic patient,

NOTE Confidence: 0.788952241666667

00:50:55.450 --> 00:50:57.490 I generally don't do dexa scans.

NOTE Confidence: 0.788952241666667

00:50:57.490 --> 00:50:59.520 But in a patient that we're treating

NOTE Confidence: 0.788952241666667

00:50:59.520 --> 00:51:01.252 with the urologist as well as

NOTE Confidence: 0.788952241666667

00:51:01.252 --> 00:51:02.597 radiation oncologist who may be

NOTE Confidence: 0.788952241666667

00:51:02.597 --> 00:51:04.335 on Angie and deprivation therapy

NOTE Confidence: 0.788952241666667

00:51:04.335 --> 00:51:06.245 who don't have metastatic disease,

NOTE Confidence: 0.788952241666667

00:51:06.250 --> 00:51:08.066 we we do do dexa scans and then

NOTE Confidence: 0.788952241666667

00:51:08.066 --> 00:51:09.307 treat the patient accordingly

NOTE Confidence: 0.788952241666667

00:51:09.307 --> 00:51:11.497 depending upon the level of bone

NOTE Confidence: 0.788952241666667

00:51:11.497 --> 00:51:13.230 metal density loss at baseline.

NOTE Confidence: 0.777388924

00:51:18.880 --> 00:51:21.088 Great. That was terrific.

NOTE Confidence: 0.777388924

00:51:21.088 --> 00:51:23.550 Dan, really, can we stop sharing?

NOTE Confidence: 0.845946254285714

00:51:26.640 --> 00:51:29.536 This means we actually have a a decent

NOTE Confidence: 0.845946254285714

00:51:29.536 --> 00:51:32.180 amount of time for for questions and

NOTE Confidence: 0.845946254285714

00:51:32.180 --> 00:51:34.860 the Q&A which which is wonderful.

NOTE Confidence: 0.845946254285714

00:51:34.860 --> 00:51:37.460 So folks who are listening,

NOTE Confidence: 0.845946254285714

00:51:37.460 --> 00:51:41.118 please type in your questions in the Q&A.

NOTE Confidence: 0.845946254285714

00:51:41.120 --> 00:51:44.698 And as we were discussing this initially,

NOTE Confidence: 0.845946254285714

00:51:44.700 --> 00:51:46.527 I know that there are a number of people

NOTE Confidence: 0.845946254285714

00:51:46.527 --> 00:51:48.495 who had questions already for each other.

NOTE Confidence: 0.845946254285714

00:51:48.500 --> 00:51:51.668 So I'm going to allow Aaron to start off.

NOTE Confidence: 0.824887522222222

00:51:54.160 --> 00:51:55.440 Alright. I guess dance,

NOTE Confidence: 0.824887522222222

00:51:55.440 --> 00:51:57.040 since you finished most recently,

NOTE Confidence: 0.824887522222222

00:51:57.040 --> 00:51:59.264 uh, I wanted to ask if there a

NOTE Confidence: 0.824887522222222

00:51:59.264 --> 00:52:00.957 recommendation for how often to check,

NOTE Confidence: 0.824887522222222

00:52:00.960 --> 00:52:04.402 uh, bone density testing on

NOTE Confidence: 0.824887522222222

00:52:04.402 --> 00:52:05.906 those patients who receive

NOTE Confidence: 0.824887522222222

00:52:05.906 --> 00:52:07.034 androgen deprivation therapy?

NOTE Confidence: 0.850277862

00:52:10.460 --> 00:52:11.740 I think you're on mute, Dan. Sorry.

NOTE Confidence: 0.792064501111111

00:52:13.530 --> 00:52:14.558 It's usually every two

NOTE Confidence: 0.792064501111111

00:52:14.558 --> 00:52:16.230 years we we check it, OK?

NOTE Confidence: 0.815558738333333

00:52:17.080 --> 00:52:18.994 OK, I figured that with the, uh,

NOTE Confidence: 0.815558738333333

00:52:18.994 --> 00:52:20.772 I guess the 28 month marker there

NOTE Confidence: 0.815558738333333

00:52:20.772 --> 00:52:22.839 that you gave the average bone loss.

NOTE Confidence: 0.815558738333333

00:52:22.840 --> 00:52:26.635 OK, and have you had any experience

NOTE Confidence: 0.815558738333333

00:52:26.635 --> 00:52:28.310 with gabapentin helping with hot

NOTE Confidence: 0.815558738333333

00:52:28.375 --> 00:52:30.110 flashes for your patients with?

NOTE Confidence: 0.815468311666667

00:52:32.210 --> 00:52:33.218 But I've not really tried it.

NOTE Confidence: 0.815468311666667

00:52:33.220 --> 00:52:34.920 I've used predominantly Effexor.

NOTE Confidence: 0.815468311666667

00:52:34.920 --> 00:52:36.620 But anyway some literature

NOTE Confidence: 0.815468311666667

00:52:36.620 --> 00:52:38.278 that that does use it.

NOTE Confidence: 0.815468311666667

00:52:38.280 --> 00:52:40.720 You know, The funny thing is that that

NOTE Confidence: 0.815468311666667

00:52:40.720 --> 00:52:43.088 the soil products do actually work.

NOTE Confidence: 0.815468311666667

00:52:43.090 --> 00:52:45.196 Not. Soy milk, which has very

NOTE Confidence: 0.815468311666667

00:52:45.196 --> 00:52:47.460 little soy but tofu soy cheese.

NOTE Confidence: 0.815468311666667

00:52:47.460 --> 00:52:50.252 It will least reduce the the

NOTE Confidence: 0.815468311666667

00:52:50.252 --> 00:52:51.712 frequency or actually the intensity

NOTE Confidence: 0.815468311666667

00:52:51.712 --> 00:52:53.734 of the hot flashes may make not

NOTE Confidence: 0.815468311666667

00:52:53.734 --> 00:52:55.059 make them go away completely,

NOTE Confidence: 0.815468311666667

00:52:55.060 --> 00:52:56.425 but makes it a little more tolerable.

NOTE Confidence: 0.774724

00:52:58.550 --> 00:53:00.366 Do you have any soy products you recommend?

NOTE Confidence: 0.837142781111111

00:53:00.370 --> 00:53:02.029 I have a lot of patients who

NOTE Confidence: 0.837142781111111

00:53:02.029 --> 00:53:06.260 like supplements, tofu, tofu.

NOTE Confidence: 0.837142781111111

00:53:06.260 --> 00:53:07.588 Sounds tasty to me.

NOTE Confidence: 0.817610376666667

00:53:07.820 --> 00:53:10.478 Here's a question from Beth Allard.

NOTE Confidence: 0.817610376666667

00:53:10.480 --> 00:53:13.174 Can you address PSA testing and

NOTE Confidence: 0.817610376666667

00:53:13.174 --> 00:53:15.980 patient on on testosterone replacement,

NOTE Confidence: 0.817610376666667

00:53:15.980 --> 00:53:18.178 the frequency and cut offs for referral?

NOTE Confidence: 0.931050734

00:53:21.320 --> 00:53:22.820 Yeah, that's a great question.

NOTE Confidence: 0.931050734

00:53:22.820 --> 00:53:24.268 UM, to my knowledge,

NOTE Confidence: 0.931050734

00:53:24.268 --> 00:53:27.940 when I looked at the most recent guidelines,

NOTE Confidence: 0.931050734

00:53:27.940 --> 00:53:31.912 there was not a strong relationship

NOTE Confidence: 0.931050734

00:53:31.912 --> 00:53:34.640 between testosterone and worsening

NOTE Confidence: 0.931050734

00:53:34.640 --> 00:53:37.600 of prostate cancer outcomes.

NOTE Confidence: 0.931050734

00:53:37.600 --> 00:53:39.320 So I think the guidelines

NOTE Confidence: 0.931050734

00:53:39.320 --> 00:53:41.040 are still the same for.

NOTE Confidence: 0.931050734

00:53:41.040 --> 00:53:41.762 Those patients.

NOTE Confidence: 0.931050734

00:53:41.762 --> 00:53:43.206 But Dan, correct me

NOTE Confidence: 0.987502616666667

00:53:43.220 --> 00:53:43.748 if I'm wrong.

NOTE Confidence: 0.737959583636364

00:53:45.290 --> 00:53:47.654 Uh, it. At Harvard, they've actually

NOTE Confidence: 0.737959583636364

00:53:47.654 --> 00:53:49.900 been looking into that question.

NOTE Confidence: 0.737959583636364

00:53:49.900 --> 00:53:54.476 They do have a number grammar 7 adjustment.

NOTE Confidence: 0.737959583636364

00:53:54.480 --> 00:53:56.958 And I'm blanking on the author's name.

NOTE Confidence: 0.737959583636364

00:53:56.960 --> 00:53:59.568 I can. If if I think of it,

NOTE Confidence: 0.737959583636364

00:53:59.570 --> 00:54:00.788 I'll put it in the chat but

NOTE Confidence: 0.737959583636364

00:54:00.788 --> 00:54:01.918 but they but they have it.

NOTE Confidence: 0.737959583636364

00:54:01.920 --> 00:54:04.440 Looking at this particular issue

NOTE Confidence: 0.737959583636364

00:54:04.440 --> 00:54:05.885 interestingly I thought the other

NOTE Confidence: 0.737959583636364

00:54:05.885 --> 00:54:07.931 question would be should a man with

NOTE Confidence: 0.737959583636364

00:54:07.931 --> 00:54:09.306 prostate cancer go on androgen,

NOTE Confidence: 0.737959583636364

00:54:09.310 --> 00:54:10.128 androgen supplementation.

NOTE Confidence: 0.737959583636364

00:54:10.128 --> 00:54:12.173 That's one of the more

NOTE Confidence: 0.737959583636364

00:54:12.173 --> 00:54:13.680 controversial areas right now.

NOTE Confidence: 0.737959583636364

00:54:13.680 --> 00:54:15.816 And in fact we're actually using

NOTE Confidence: 0.737959583636364

00:54:15.816 --> 00:54:17.701 high dose testosterone in some

NOTE Confidence: 0.737959583636364

00:54:17.701 --> 00:54:19.200 patients for right with resistant

NOTE Confidence: 0.737959583636364

00:54:19.200 --> 00:54:21.220 disease and about a third of those

NOTE Confidence: 0.737959583636364

00:54:21.220 --> 00:54:22.780 patients will respond to that.

NOTE Confidence: 0.737959583636364

00:54:22.780 --> 00:54:26.368 So that testosterone is a very.

NOTE Confidence: 0.737959583636364

00:54:26.370 --> 00:54:28.560 Poorly understood hormone.

NOTE Confidence: 0.737959583636364

00:54:28.560 --> 00:54:31.022 And you know, again,

NOTE Confidence: 0.737959583636364

00:54:31.022 --> 00:54:32.926 I think you really should consult with

NOTE Confidence: 0.737959583636364

00:54:32.926 --> 00:54:34.478 your physician before embarking on

NOTE Confidence: 0.737959583636364

00:54:34.478 --> 00:54:36.068 any of those particular supplements.

NOTE Confidence: 0.86761089

00:54:37.580 --> 00:54:39.140 Ryan, were you going to add to that?

NOTE Confidence: 0.55971944

00:54:41.920 --> 00:54:43.288 No, sorry, I was just

NOTE Confidence: 0.751221041111111

00:54:44.040 --> 00:54:45.762 responding. I was since the best

NOTE Confidence: 0.751221041111111

00:54:45.762 --> 00:54:47.270 question was answered, I just

NOTE Confidence: 0.8978264

00:54:48.360 --> 00:54:49.910 took it out of the queue. I'm sorry.

NOTE Confidence: 0.845975722857143

00:54:52.590 --> 00:54:54.368 Let's see another question from the chat.

NOTE Confidence: 0.845975722857143

00:54:54.370 --> 00:54:57.002 If a Dre is abnormal and the

NOTE Confidence: 0.845975722857143

00:54:57.002 --> 00:54:59.660 PSA within normal, what is the

NOTE Confidence: 0.845975722857143

00:54:59.660 --> 00:55:01.860 next step maybe going to Jerry?

NOTE Confidence: 0.760029963571429

00:55:02.710 --> 00:55:06.385 Yeah, so I would have probably recommend.

NOTE Confidence: 0.760029963571429

00:55:06.390 --> 00:55:10.254 Referring to the urologist at that point.

NOTE Confidence: 0.760029963571429

00:55:10.260 --> 00:55:14.368 Because I think we, you know.

NOTE Confidence: 0.741945946363636

00:55:18.170 --> 00:55:21.754 It's rare for me to call a Dre

NOTE Confidence: 0.741945946363636

00:55:21.754 --> 00:55:24.262 abnormal unless I, you know,

NOTE Confidence: 0.741945946363636

00:55:24.262 --> 00:55:26.886 truly, truly feel something.

NOTE Confidence: 0.741945946363636

00:55:26.890 --> 00:55:30.022 Because of the the sensitivity and

NOTE Confidence: 0.741945946363636

00:55:30.022 --> 00:55:32.486 specificity that Aaron quoted,

NOTE Confidence: 0.741945946363636

00:55:32.486 --> 00:55:35.482 so you know if if there is

NOTE Confidence: 0.741945946363636

00:55:35.482 --> 00:55:37.367 something real on the Dre,

NOTE Confidence: 0.741945946363636

00:55:37.370 --> 00:55:40.373 usually the PSA is 15 to 20

NOTE Confidence: 0.741945946363636

00:55:40.373 --> 00:55:43.020 and those patients as well.

NOTE Confidence: 0.741945946363636

00:55:43.020 --> 00:55:44.848 There are rare instances

NOTE Confidence: 0.741945946363636

00:55:44.848 --> 00:55:47.133 when that's not the case.

NOTE Confidence: 0.741945946363636

00:55:47.140 --> 00:55:48.685 And there are some instances

NOTE Confidence: 0.741945946363636

00:55:48.685 --> 00:55:50.230 where the patient is older

NOTE Confidence: 0.741945946363636

00:55:50.289 --> 00:55:51.915 and doesn't have a PSA level.

NOTE Confidence: 0.741945946363636

00:55:51.920 --> 00:55:53.906 So if the Dre is abnormal

NOTE Confidence: 0.741945946363636

00:55:53.906 --> 00:55:56.100 and we were very concerned,

NOTE Confidence: 0.741945946363636

00:55:56.100 --> 00:56:00.519 I would get a PSA on that patient and.

NOTE Confidence: 0.741945946363636

00:56:00.520 --> 00:56:02.299 There have been patients that have

NOTE Confidence: 0.741945946363636

00:56:02.299 --> 00:56:04.477 been diagnosed that way who have

NOTE Confidence: 0.741945946363636

00:56:04.477 --> 00:56:06.572 stopped PSA screening because of their

NOTE Confidence: 0.741945946363636

00:56:06.572 --> 00:56:09.440 age and the Dre was very concerning.

NOTE Confidence: 0.914776776666667

00:56:11.120 --> 00:56:12.338 Yeah, but I think it's important.

NOTE Confidence: 0.914776776666667

00:56:12.340 --> 00:56:13.714 If the DVR is abnormal it

NOTE Confidence: 0.914776776666667

00:56:13.714 --> 00:56:15.120 it needs a second opinion.

NOTE Confidence: 0.800570215

00:56:18.980 --> 00:56:19.450 I agree.

NOTE Confidence: 0.70869264

00:56:24.020 --> 00:56:25.118 Nope, and I think you're on

NOTE Confidence: 0.671645566666667

00:56:25.130 --> 00:56:29.149 mute. Having an epidemic of mute.

NOTE Confidence: 0.671645566666667

00:56:29.150 --> 00:56:30.980 Any data on acupuncture for

NOTE Confidence: 0.671645566666667

00:56:30.980 --> 00:56:32.444 hot flashes and flashes?

NOTE Confidence: 0.671645566666667

00:56:32.450 --> 00:56:33.670 Keep these questions coming in.

NOTE Confidence: 0.671645566666667

00:56:33.670 --> 00:56:34.810 They're fantastic.

NOTE Confidence: 0.727500584

00:56:38.300 --> 00:56:40.140 No, not that I found. Dan anything?

NOTE Confidence: 0.7536266275

00:56:41.150 --> 00:56:44.064 I've not found that either. I found

NOTE Confidence: 0.7536266275

00:56:44.064 --> 00:56:46.326 mixed mixed mixed experiences with it.

NOTE Confidence: 0.736617605555556

00:56:51.140 --> 00:56:55.406 And then why stop PSA at 75 years old?

NOTE Confidence: 0.35445680575

00:56:59.300 --> 00:57:01.328 How proud here this

NOTE Confidence: 0.527658442

00:57:01.340 --> 00:57:06.590 is actually. Pretty controversial, uh?

NOTE Confidence: 0.527658442

00:57:06.590 --> 00:57:08.974 The AUA guidelines actually

NOTE Confidence: 0.527658442

00:57:08.974 --> 00:57:11.358 recommend 55 to 70.

NOTE Confidence: 0.527658442

00:57:11.360 --> 00:57:13.694 I I did have a discussion

NOTE Confidence: 0.527658442

00:57:13.694 --> 00:57:15.950 with my patients at age 75.

NOTE Confidence: 0.527658442

00:57:15.950 --> 00:57:18.475 And we discussed the harms

NOTE Confidence: 0.527658442

00:57:18.475 --> 00:57:20.495 of continuing to test.

NOTE Confidence: 0.527658442

00:57:20.500 --> 00:57:22.940 The problem is when you can.

NOTE Confidence: 0.527658442

00:57:22.940 --> 00:57:24.848 When you tell a patient to

NOTE Confidence: 0.527658442

00:57:24.848 --> 00:57:25.919 consider life expectancy,

NOTE Confidence: 0.527658442

00:57:25.920 --> 00:57:27.420 that's not something that

NOTE Confidence: 0.527658442

00:57:27.420 --> 00:57:28.920 they want to consider.

NOTE Confidence: 0.527658442

00:57:28.920 --> 00:57:32.376 So it's it's it's it is difficult to stop

NOTE Confidence: 0.527658442

00:57:32.376 --> 00:57:35.720 testing at 75 because most patients will.

NOTE Confidence: 0.527658442

00:57:35.720 --> 00:57:38.492 I I've had, I've had a lot of patients

NOTE Confidence: 0.527658442

00:57:38.492 --> 00:57:40.767 who've come to see me who were

NOTE Confidence: 0.527658442

00:57:40.767 --> 00:57:42.790 told by their previous urologist.

NOTE Confidence: 0.527658442

00:57:42.790 --> 00:57:44.844 You're you're going to die anyway.

NOTE Confidence: 0.527658442

00:57:44.844 --> 00:57:46.082 Why? Why test your PSA?

NOTE Confidence: 0.527658442

00:57:46.082 --> 00:57:49.127 And they don't like hearing that, so, uh, it.

NOTE Confidence: 0.527658442

00:57:49.127 --> 00:57:52.022 I usually look at their

NOTE Confidence: 0.527658442

00:57:52.022 --> 00:57:54.890 medications and comorbidities.

NOTE Confidence: 0.527658442

00:57:54.890 --> 00:57:57.368 If the patient is on Plavix and

NOTE Confidence: 0.527658442

00:57:57.368 --> 00:57:59.789 aspirin and has had three stents,

NOTE Confidence: 0.527658442

00:57:59.790 --> 00:58:00.610 you know,

NOTE Confidence: 0.527658442

00:58:00.610 --> 00:58:02.660 the chance that you're gonna

NOTE Confidence: 0.527658442

00:58:02.660 --> 00:58:04.300 increase their lifespan with

NOTE Confidence: 0.527658442

00:58:04.300 --> 00:58:06.005 PSA testing is pretty low.

NOTE Confidence: 0.527658442

00:58:06.010 --> 00:58:08.830 Most prostate cancer that's intermediate

NOTE Confidence: 0.527658442

00:58:08.830 --> 00:58:12.145 risk probably takes anywhere from 7

NOTE Confidence: 0.527658442

00:58:12.145 --> 00:58:14.629 to 10 years to actually metastasize.

NOTE Confidence: 0.527658442

00:58:14.630 --> 00:58:14.968 So.

NOTE Confidence: 0.527658442

00:58:14.968 --> 00:58:16.996 That's why the 10 year life

NOTE Confidence: 0.527658442

00:58:16.996 --> 00:58:19.377 expectancy is a good rule as well.

NOTE Confidence: 0.822020705

00:58:23.530 --> 00:58:26.288 Got it. We were talking about Dre

NOTE Confidence: 0.822020705

00:58:26.288 --> 00:58:29.160 also earlier in in the planning and

NOTE Confidence: 0.822020705

00:58:29.160 --> 00:58:32.250 it is something that many of us are

NOTE Confidence: 0.822020705

00:58:32.250 --> 00:58:35.341 have grown up in a certain way and

NOTE Confidence: 0.822020705

00:58:35.341 --> 00:58:38.445 it it marks their dates us I guess.

NOTE Confidence: 0.822020705

00:58:38.450 --> 00:58:41.201 Karen Ryan, any thoughts on on on

NOTE Confidence: 0.822020705

00:58:41.201 --> 00:58:44.358 the Dre and and how things have

NOTE Confidence: 0.822020705

00:58:44.358 --> 00:58:47.650 changed recommendations over time?

NOTE Confidence: 0.822020705

00:58:47.650 --> 00:58:48.120 So

NOTE Confidence: 0.92695143

00:58:48.130 --> 00:58:49.530 I was going to ask a different

NOTE Confidence: 0.92695143

00:58:49.530 --> 00:58:51.738 question, but a quick story.

NOTE Confidence: 0.737154565

00:58:51.790 --> 00:58:53.116 Remember, I once told the patient,

NOTE Confidence: 0.737154565

00:58:53.120 --> 00:58:54.994 this is 20 years ago, back when it was,

NOTE Confidence: 0.737154565

00:58:54.994 --> 00:58:57.530 I think, still a standard of care about

NOTE Confidence: 0.737154565

00:58:57.530 --> 00:58:59.598 to do a digital rectal exam. And he said,

NOTE Confidence: 0.792343765

00:58:59.690 --> 00:59:02.978 oh, they're digital now.

NOTE Confidence: 0.792343765

00:59:02.980 --> 00:59:05.259 True story, true story.

NOTE Confidence: 0.792343765

00:59:05.260 --> 00:59:06.690 No, I think you know what. What we

NOTE Confidence: 0.872251888181818

00:59:06.700 --> 00:59:08.182 find, and I'll be really interested

NOTE Confidence: 0.872251888181818

00:59:08.182 --> 00:59:09.610 in Karen's perspective as well, is

NOTE Confidence: 0.900636734

00:59:09.620 --> 00:59:10.830 that, you know, old habits

NOTE Confidence: 0.76244468

00:59:10.840 --> 00:59:12.298 die hard and,

NOTE Confidence: 0.908166156666667

00:59:12.420 --> 00:59:14.808 you know, it's hard to convince

NOTE Confidence: 0.831238543333333

00:59:15.080 --> 00:59:20.300 people that the evidence is evolved. And,

NOTE Confidence: 0.908320963333333

00:59:18.520 --> 00:59:18.988 you know, we

NOTE Confidence: 0.909836433333333

00:59:19.000 --> 00:59:20.290 find that, you

NOTE Confidence: 0.787446900588235

00:59:20.300 --> 00:59:22.360 know. Conversations like this

NOTE Confidence: 0.787446900588235

00:59:22.360 --> 00:59:24.935 or presentations like this are

NOTE Confidence: 0.787446900588235

00:59:24.935 --> 00:59:27.910 ways in which we can share best

NOTE Confidence: 0.787446900588235

00:59:27.910 --> 00:59:30.820 evidence and evolve practice.

NOTE Confidence: 0.787446900588235

00:59:30.820 --> 00:59:32.700 But you know for the record when I

NOTE Confidence: 0.787446900588235

00:59:32.700 --> 00:59:34.895 trained it was the standard of care

NOTE Confidence: 0.787446900588235

00:59:34.895 --> 00:59:36.668 and I'm wrapping my head around it.

NOTE Confidence: 0.787446900588235

00:59:36.670 --> 00:59:38.160 So Karen, I don't know

NOTE Confidence: 0.819550056

00:59:38.170 --> 00:59:39.580 more thoughtful answer than mine.

NOTE Confidence: 0.67945423

00:59:41.990 --> 00:59:45.250 I mean the answer that

NOTE Confidence: 0.890008486666667

00:59:45.380 --> 00:59:47.977 I mean Aaron presented some of the

NOTE Confidence: 0.890008486666667

00:59:47.977 --> 00:59:51.609 statistics we we do get a lot of false

NOTE Confidence: 0.890008486666667

00:59:51.609 --> 00:59:53.390 positives and urology consultation I

NOTE Confidence: 0.890008486666667

00:59:53.390 --> 00:59:55.042 still consider a precious resource

NOTE Confidence: 0.890008486666667

00:59:55.042 --> 00:59:58.259 and so you know I want to make sure

NOTE Confidence: 0.890008486666667

00:59:58.259 --> 01:00:00.891 that most of the people who most need

NOTE Confidence: 0.890008486666667

01:00:00.891 --> 01:00:03.284 to get there do and and the reality

NOTE Confidence: 0.890008486666667

01:00:03.284 --> 01:00:05.267 is and and it's kind of funny because

NOTE Confidence: 0.890008486666667

01:00:05.267 --> 01:00:07.416 ten years ago we weren't saying this,

NOTE Confidence: 0.890008486666667

01:00:07.420 --> 01:00:10.800 but the blood test does work remarkably well.

NOTE Confidence: 0.890008486666667

01:00:10.800 --> 01:00:12.870 It's not perfect,

NOTE Confidence: 0.890008486666667

01:00:12.870 --> 01:00:15.718 but I think most of us have really.

NOTE Confidence: 0.890008486666667

01:00:15.720 --> 01:00:16.896 At the same time,

NOTE Confidence: 0.890008486666667

01:00:16.896 --> 01:00:18.660 we decreased our our rectal exams,

NOTE Confidence: 0.890008486666667

01:00:18.660 --> 01:00:21.090 we increased our PSA and and

NOTE Confidence: 0.890008486666667

01:00:21.090 --> 01:00:24.490 so on a kind of summary level,

NOTE Confidence: 0.890008486666667

01:00:24.490 --> 01:00:25.408 you know, my,

NOTE Confidence: 0.890008486666667

01:00:25.408 --> 01:00:27.550 my guess is that we're finding more

NOTE Confidence: 0.890008486666667

01:00:27.616 --> 01:00:30.178 prostate cancer and being more sensitive.

NOTE Confidence: 0.890008486666667

01:00:30.180 --> 01:00:31.360 I mean I, I,

NOTE Confidence: 0.890008486666667

01:00:31.360 --> 01:00:32.860 I offered every man, I said,

NOTE Confidence: 0.882029092857143

01:00:32.870 --> 01:00:35.612 you know, I don't, I'm not required to

NOTE Confidence: 0.882029092857143

01:00:35.612 --> 01:00:37.540 do a rectal exam anymore, but I'm happy

NOTE Confidence: 0.922311652857143

01:00:37.550 --> 01:00:39.377 to do one if you would like.

NOTE Confidence: 0.922311652857143

01:00:39.380 --> 01:00:41.420 And I find that actually most patients

NOTE Confidence: 0.922311652857143

01:00:41.420 --> 01:00:43.850 are far more happy to give it up than

NOTE Confidence: 0.922311652857143

01:00:43.850 --> 01:00:46.930 if I phrased it any other way. Uh, but

NOTE Confidence: 0.818237412

01:00:48.060 --> 01:00:50.972 you know. I mean, everything we do,

NOTE Confidence: 0.818237412

01:00:50.972 --> 01:00:53.059 there's always a risk of missing something

NOTE Confidence: 0.817327743

01:00:53.170 --> 01:00:56.176 and and so everything we do just has to

NOTE Confidence: 0.817327743

01:00:56.176 --> 01:00:58.886 be with the greatest good in mind and and

NOTE Confidence: 0.817327743

01:00:58.886 --> 01:01:01.558 what we can do routinely for everybody.

NOTE Confidence: 0.817286335

01:01:03.020 --> 01:01:04.496 Just want to make one point.

NOTE Confidence: 0.817286335

01:01:04.500 --> 01:01:06.564 I think it's great that you

NOTE Confidence: 0.817286335

01:01:06.564 --> 01:01:07.596 having that discussion.

NOTE Confidence: 0.817286335

01:01:07.600 --> 01:01:09.560 Going back to the preventative task force,

NOTE Confidence: 0.817286335

01:01:09.560 --> 01:01:11.816 there was a study that was done at

NOTE Confidence: 0.817286335

01:01:11.816 --> 01:01:14.968 ASCO presented at Asco Gu this year

NOTE Confidence: 0.817286335

01:01:14.968 --> 01:01:18.923 where they look state by state at the

NOTE Confidence: 0.817286335

01:01:18.923 --> 01:01:21.845 incidence of prostate cancer and the.

NOTE Confidence: 0.817286335

01:01:21.850 --> 01:01:24.150 The development of metastatic disease

NOTE Confidence: 0.817286335

01:01:24.150 --> 01:01:27.154 and there's been a 28% increase in

NOTE Confidence: 0.817286335

01:01:27.154 --> 01:01:29.094 metastatic disease since that task

NOTE Confidence: 0.817286335

01:01:29.094 --> 01:01:31.209 force made that recommendation.

NOTE Confidence: 0.817286335

01:01:31.210 --> 01:01:33.121 So I'm glad that we're getting back

NOTE Confidence: 0.817286335

01:01:33.121 --> 01:01:34.587 to having shared discussions because

NOTE Confidence: 0.817286335

01:01:34.587 --> 01:01:36.939 clearly we want to move to a curable

NOTE Confidence: 0.817286335

01:01:36.999 --> 01:01:39.209 situation rather than incurable situation.

NOTE Confidence: 0.25415978

01:01:40.670 --> 01:01:43.558 And that's go ahead, Chris.

NOTE Confidence: 0.78851936

01:01:43.650 --> 01:01:45.936 I was just going to add to that that

NOTE Confidence: 0.78851936

01:01:45.936 --> 01:01:48.097 you know Jerry and Dan and I are.

NOTE Confidence: 0.78851936

01:01:48.100 --> 01:01:50.200 Are managing these days really a really

NOTE Confidence: 0.78851936

01:01:50.200 --> 01:01:52.499 high number of gentlemen in their late,

NOTE Confidence: 0.78851936

01:01:52.500 --> 01:01:55.308 mid to late 70s to early 80s who have

NOTE Confidence: 0.78851936

01:01:55.308 --> 01:01:57.577 great longevity in their family,

NOTE Confidence: 0.78851936

01:01:57.580 --> 01:01:59.615 relatively few comorbidities and they

NOTE Confidence: 0.78851936

01:01:59.615 --> 01:02:02.308 have Gleason 8-9 disease and no Mets

NOTE Confidence: 0.78851936

01:02:02.308 --> 01:02:04.380 on on advanced imaging and I think

NOTE Confidence: 0.78851936

01:02:04.380 --> 01:02:06.888 these guys are are gentlemen where they

NOTE Confidence: 0.78851936

01:02:06.888 --> 01:02:08.935 don't all need treatment but I think

NOTE Confidence: 0.78851936

01:02:08.935 --> 01:02:10.675 quite a few of them really do benefit

NOTE Confidence: 0.78851936

01:02:10.675 --> 01:02:12.715 from treatment you know they and and I

NOTE Confidence: 0.78851936

01:02:12.720 --> 01:02:13.994 what the this part of the discussion

NOTE Confidence: 0.78851936

01:02:14.000 --> 01:02:16.024 I have with guys is that you know

NOTE Confidence: 0.78851936

01:02:16.024 --> 01:02:18.048 long before prostate cancer kills you.

NOTE Confidence: 0.78851936

01:02:18.050 --> 01:02:20.253 If it spreads it creates a considerable

NOTE Confidence: 0.78851936

01:02:20.253 --> 01:02:22.659 reduction in your quality of life

NOTE Confidence: 0.78851936

01:02:22.659 --> 01:02:25.031 and so you know the the offer

NOTE Confidence: 0.78851936

01:02:25.031 --> 01:02:26.626 treatment is trying to help survival.

NOTE Confidence: 0.78851936

01:02:26.626 --> 01:02:28.313 But as maybe even before that with

NOTE Confidence: 0.78851936

01:02:28.313 --> 01:02:29.537 that older gentleman it's hey can

NOTE Confidence: 0.78851936

01:02:29.537 --> 01:02:31.759 I can I keep you from being on long

NOTE Confidence: 0.78851936

01:02:31.759 --> 01:02:32.803 term manager deprivation having

NOTE Confidence: 0.78851936

01:02:32.810 --> 01:02:35.096 bone Mets with pain a fracture.

NOTE Confidence: 0.78851936

01:02:35.100 --> 01:02:37.622 And I think these are all really important

NOTE Confidence: 0.78851936

01:02:37.622 --> 01:02:40.184 discussions to to have so I think.

NOTE Confidence: 0.78851936

01:02:40.190 --> 01:02:42.465 You know being more flexible and you

NOTE Confidence: 0.78851936

01:02:42.465 --> 01:02:44.112 know individualized with PSA screening

NOTE Confidence: 0.78851936

01:02:44.112 --> 01:02:45.966 these things and maybe going a

NOTE Confidence: 0.78851936

01:02:45.966 --> 01:02:47.808 little longer I think is paying off.

NOTE Confidence: 0.78851936

01:02:47.810 --> 01:02:49.525 We're just seeing a lot of these

NOTE Confidence: 0.78851936

01:02:49.525 --> 01:02:51.298 guys these days who fit that that

NOTE Confidence: 0.78851936

01:02:51.298 --> 01:02:53.057 description and and if we pick some

NOTE Confidence: 0.78851936

01:02:53.057 --> 01:02:54.897 up and it's released in six or seven

NOTE Confidence: 0.78851936

01:02:54.897 --> 01:02:56.415 and like Jerry's referring to they

NOTE Confidence: 0.78851936

01:02:56.415 --> 01:02:57.443 don't all need treatment.

NOTE Confidence: 0.78851936

01:02:57.450 --> 01:02:59.088 But again there are a lot of these guys,

NOTE Confidence: 0.78851936

01:02:59.090 --> 01:03:00.590 the higher grade disease that I

NOTE Confidence: 0.78851936

01:03:00.590 --> 01:03:01.590 think need need attention.

NOTE Confidence: 0.3220430825

01:03:02.350 --> 01:03:03.598 I think that actually

NOTE Confidence: 0.814645543333333

01:03:03.610 --> 01:03:05.515 that attitude that's allowed us

NOTE Confidence: 0.814645543333333

01:03:05.515 --> 01:03:07.739 to feel more comfortable with more

NOTE Confidence: 0.814645543333333

01:03:07.739 --> 01:03:10.070 PSA screening, I mean it there.

NOTE Confidence: 0.814645543333333

01:03:10.070 --> 01:03:12.683 There was a point where it felt a little bit

NOTE Confidence: 0.814645543333333

01:03:12.683 --> 01:03:15.198 like if you had an elevated PSA, you know,

NOTE Confidence: 0.814645543333333

01:03:15.198 --> 01:03:17.466 the people may be getting unnecessary care,

NOTE Confidence: 0.814645543333333

01:03:17.470 --> 01:03:19.409 some component of the care was under.

NOTE Confidence: 0.814645543333333

01:03:19.410 --> 01:03:21.768 And with the better risk stratification

NOTE Confidence: 0.814645543333333

01:03:21.768 --> 01:03:24.841 and attention to the kind of geriatric

NOTE Confidence: 0.814645543333333

01:03:24.841 --> 01:03:27.560 and comorbid medical concerns that,

NOTE Confidence: 0.814645543333333

01:03:27.560 --> 01:03:29.920 you know, I feel like even if there

NOTE Confidence: 0.814645543333333

01:03:29.920 --> 01:03:32.589 is a PSA that's mildly elevated.

NOTE Confidence: 0.814645543333333

01:03:32.590 --> 01:03:35.442 People get the right care, you know,

NOTE Confidence: 0.814645543333333

01:03:35.442 --> 01:03:37.098 on both ends of the urology

NOTE Confidence: 0.814645543333333

01:03:37.098 --> 01:03:38.210 primary care spectrum.

NOTE Confidence: 0.814645543333333

01:03:38.210 --> 01:03:39.542 And have you had that same

NOTE Confidence: 0.814645543333333

01:03:39.542 --> 01:03:41.261 kind of ability to let go and

NOTE Confidence: 0.814645543333333

01:03:41.261 --> 01:03:42.556 feel more comfortable doing it?

NOTE Confidence: 0.606352826666667

01:03:43.730 --> 01:03:45.728 No, it's it's definitely added to,

NOTE Confidence: 0.606352826666667

01:03:45.730 --> 01:03:48.554 I think my comfort as well as my

NOTE Confidence: 0.606352826666667

01:03:48.554 --> 01:03:50.929 patients knowing that there's you know,

NOTE Confidence: 0.606352826666667

01:03:50.930 --> 01:03:52.658 a procedure, there's great

NOTE Confidence: 0.606352826666667

01:03:52.658 --> 01:03:54.818 specialists who are highly involved.

NOTE Confidence: 0.606352826666667

01:03:54.820 --> 01:03:58.271 There's so much to offer these patients

NOTE Confidence: 0.606352826666667

01:03:58.271 --> 01:04:02.308 now versus you know 20 years ago we we

NOTE Confidence: 0.606352826666667

01:04:02.308 --> 01:04:05.229 just haven't had this explosion in.

NOTE Confidence: 0.606352826666667

01:04:05.230 --> 01:04:07.870 And tech and and options.

NOTE Confidence: 0.606352826666667

01:04:07.870 --> 01:04:09.290 I think it's a great development.

NOTE Confidence: 0.7558675249375

01:04:10.060 --> 01:04:12.780 And I think that shared decision making is

NOTE Confidence: 0.7558675249375

01:04:12.780 --> 01:04:15.540 employed is it's what we're doing today too.

NOTE Confidence: 0.7558675249375

01:04:15.540 --> 01:04:18.460 So in the Smiler shares with primary care.

NOTE Confidence: 0.7558675249375

01:04:18.460 --> 01:04:21.100 So we have run out of time unfortunately.

NOTE Confidence: 0.7558675249375

01:04:21.100 --> 01:04:22.780 It's been fantastic discussion,

NOTE Confidence: 0.7558675249375

01:04:22.780 --> 01:04:25.300 a few more questions that maybe

NOTE Confidence: 0.7558675249375

01:04:25.367 --> 01:04:27.299 we can answer after the fact,

NOTE Confidence: 0.7558675249375

01:04:27.300 --> 01:04:31.017 but really appreciate all of the panelists.

NOTE Confidence: 0.7558675249375

01:04:31.020 --> 01:04:32.860 Karen Ryan are really pleased

NOTE Confidence: 0.7558675249375

01:04:32.860 --> 01:04:35.118 with the attendance and tell your

NOTE Confidence: 0.7558675249375

01:04:35.118 --> 01:04:37.188 friends we'll be back next month.

NOTE Confidence: 0.7558675249375

01:04:37.190 --> 01:04:39.254 Thanks so much. OK.

NOTE Confidence: 0.7558675249375

01:04:39.254 --> 01:04:42.000 Thanks, everybody. Thank you.