

WEBVTT

NOTE duration:"01:29:42"

NOTE recognizability:0.876

NOTE language:en-us

NOTE Confidence: 0.858624616

00:00:00.000 --> 00:00:01.780 Get going, we have a lot to talk about today.

NOTE Confidence: 0.858624616

00:00:01.780 --> 00:00:03.698 This is such an exciting event and

NOTE Confidence: 0.858624616

00:00:03.698 --> 00:00:05.758 we're so happy to have you all here.

NOTE Confidence: 0.858624616

00:00:05.760 --> 00:00:07.000 My name is Sarah Goldberg,

NOTE Confidence: 0.858624616

00:00:07.000 --> 00:00:09.898 AMA medical oncologist here at Yale,

NOTE Confidence: 0.858624616

00:00:09.900 --> 00:00:12.964 and again, welcome to the Smilow shares event

NOTE Confidence: 0.858624616

00:00:12.964 --> 00:00:15.996 in honor of lung Cancer Awareness Month.

NOTE Confidence: 0.858624616

00:00:16.000 --> 00:00:18.100 Our program is entitled new

NOTE Confidence: 0.858624616

00:00:18.100 --> 00:00:19.780 treatment advances and innovations,

NOTE Confidence: 0.858624616

00:00:19.780 --> 00:00:24.380 and the the plan for this evening is to talk

NOTE Confidence: 0.858624616

00:00:24.487 --> 00:00:27.110 about various topics related to lung cancer.

NOTE Confidence: 0.858624616

00:00:27.110 --> 00:00:30.109 You'll hear a few of us speak and and show

NOTE Confidence: 0.858624616

00:00:30.109 --> 00:00:32.289 a few slides and give you a bit of an.

NOTE Confidence: 0.858624616

00:00:32.290 --> 00:00:34.834 Overview about what's happening in the
NOTE Confidence: 0.858624616

00:00:34.834 --> 00:00:37.315 field and specifically here at Yale and
NOTE Confidence: 0.858624616

00:00:37.315 --> 00:00:39.700 then we will have a lot of time for
NOTE Confidence: 0.858624616

00:00:39.770 --> 00:00:42.370 discussion and question and answer periods,
NOTE Confidence: 0.858624616

00:00:42.370 --> 00:00:44.680 and we have this wonderful group
NOTE Confidence: 0.858624616

00:00:44.680 --> 00:00:46.719 of panelists that you're seeing
NOTE Confidence: 0.858624616

00:00:46.719 --> 00:00:49.275 here and you'll hear from everyone
NOTE Confidence: 0.858624616

00:00:49.275 --> 00:00:51.500 throughout the course of the event,
NOTE Confidence: 0.858624616

00:00:51.500 --> 00:00:52.892 so I'll have them introduce themselves
NOTE Confidence: 0.858624616

00:00:52.892 --> 00:00:54.549 in in just a couple minutes.
NOTE Confidence: 0.858624616

00:00:54.550 --> 00:00:56.254 But first, I'm going to turn
NOTE Confidence: 0.858624616

00:00:56.254 --> 00:00:58.049 this over to Doctor Dan Boffa,
NOTE Confidence: 0.858624616

00:00:58.050 --> 00:01:00.010 who is a thoracic surgeon.
NOTE Confidence: 0.858624616

00:01:00.010 --> 00:01:01.380 The Chief of Thoracic surgery
NOTE Confidence: 0.858624616

00:01:01.380 --> 00:01:02.476 here at Yale and.
NOTE Confidence: 0.858624616

00:01:02.480 --> 00:01:04.872 He's going to tell you about the state

NOTE Confidence: 0.858624616

00:01:04.872 --> 00:01:07.028 of the art lung cancer treatments,

NOTE Confidence: 0.858624616

00:01:07.028 --> 00:01:09.468 and then it's all yours.

NOTE Confidence: 0.756039408

00:01:10.220 --> 00:01:14.030 Well, thank you Sarah I.

NOTE Confidence: 0.756039408

00:01:14.030 --> 00:01:16.564 I just really want to thank everybody

NOTE Confidence: 0.756039408

00:01:16.570 --> 00:01:19.738 for joining us for a little bit tonight.

NOTE Confidence: 0.756039408

00:01:19.740 --> 00:01:22.440 We're very excited to be

NOTE Confidence: 0.756039408

00:01:22.440 --> 00:01:25.140 able to talk to everybody.

NOTE Confidence: 0.756039408

00:01:25.140 --> 00:01:29.332 This is a we I'm I'm one of

NOTE Confidence: 0.756039408

00:01:29.332 --> 00:01:31.060 the people who've been here,

NOTE Confidence: 0.756039408

00:01:31.060 --> 00:01:31.960 probably the longest.

NOTE Confidence: 0.756039408

00:01:31.960 --> 00:01:35.128 I think I've been here 14 or 15 years

NOTE Confidence: 0.756039408

00:01:35.128 --> 00:01:37.809 and so I have a pretty good idea

NOTE Confidence: 0.756039408

00:01:37.810 --> 00:01:39.898 of the landscape of lung cancer,

NOTE Confidence: 0.756039408

00:01:39.900 --> 00:01:42.846 but also within our health system

NOTE Confidence: 0.756039408

00:01:42.846 --> 00:01:46.510 and what we aspire to do and and be.

NOTE Confidence: 0.756039408

00:01:46.510 --> 00:01:51.598 So tonight I am going to talk about.
NOTE Confidence: 0.756039408

00:01:51.600 --> 00:01:53.454 Lung cancer is an overview and
NOTE Confidence: 0.756039408

00:01:53.454 --> 00:01:55.970 I have the very simple task of
NOTE Confidence: 0.756039408

00:01:55.970 --> 00:01:57.582 going over everything that's
NOTE Confidence: 0.756039408

00:01:57.582 --> 00:01:59.669 ever happened in lung cancer.
NOTE Confidence: 0.756039408

00:01:59.670 --> 00:02:03.850 But I have 10 minutes, so we'll finish early.
NOTE Confidence: 0.756039408

00:02:03.850 --> 00:02:05.518 The hard thing is I can't.
NOTE Confidence: 0.756039408

00:02:05.520 --> 00:02:06.870 I can't hear you all laugh.
NOTE Confidence: 0.756039408

00:02:06.870 --> 00:02:09.313 I'm just gonna assume that you think
NOTE Confidence: 0.756039408

00:02:09.313 --> 00:02:11.687 I'm really funny so I'll keep going.
NOTE Confidence: 0.756039408

00:02:11.690 --> 00:02:13.146 Unless unless somebody chats
NOTE Confidence: 0.756039408

00:02:13.146 --> 00:02:17.610 in just get on with it so.
NOTE Confidence: 0.756039408

00:02:17.610 --> 00:02:19.536 I'm, I know that my slides
NOTE Confidence: 0.756039408

00:02:19.536 --> 00:02:21.240 are not in presenter mode,
NOTE Confidence: 0.756039408

00:02:21.240 --> 00:02:22.570 so anybody that's feeling like
NOTE Confidence: 0.756039408

00:02:22.570 --> 00:02:24.410 the urge to chat to tell me

NOTE Confidence: 0.756039408

00:02:24.410 --> 00:02:26.057 that I know that it's just they

NOTE Confidence: 0.756039408

00:02:26.057 --> 00:02:27.779 show up better in this format,

NOTE Confidence: 0.756039408

00:02:27.780 --> 00:02:33.108 so I apologize so.

NOTE Confidence: 0.756039408

00:02:33.110 --> 00:02:35.598 The I thought it was the best way

NOTE Confidence: 0.756039408

00:02:35.598 --> 00:02:38.184 to think about what's new in lung

NOTE Confidence: 0.756039408

00:02:38.184 --> 00:02:41.620 cancer is think about all of the ways

NOTE Confidence: 0.756039408

00:02:41.620 --> 00:02:44.672 that we can impact people having

NOTE Confidence: 0.756039408

00:02:44.672 --> 00:02:48.068 their lives altered by lung cancer,

NOTE Confidence: 0.756039408

00:02:48.070 --> 00:02:51.254 and one of the one of the cleanest

NOTE Confidence: 0.756039408

00:02:51.254 --> 00:02:53.700 and clearest ways is to get

NOTE Confidence: 0.756039408

00:02:53.700 --> 00:02:55.264 people to never smoke.

NOTE Confidence: 0.756039408

00:02:55.270 --> 00:02:55.672 Now,

NOTE Confidence: 0.756039408

00:02:55.672 --> 00:02:57.682 not all lung cancer happens

NOTE Confidence: 0.756039408

00:02:57.682 --> 00:02:59.290 in people who smoked,

NOTE Confidence: 0.756039408

00:02:59.290 --> 00:03:02.015 and one out of seven lung cancers takes

NOTE Confidence: 0.756039408

00:03:02.015 --> 00:03:03.895 place in somebody who never smoked in there.

NOTE Confidence: 0.756039408

00:03:03.900 --> 00:03:05.410 Life but.

NOTE Confidence: 0.756039408

00:03:05.410 --> 00:03:07.138 The majority of lung cancer does

NOTE Confidence: 0.756039408

00:03:07.138 --> 00:03:08.448 happen in people who've smoked,

NOTE Confidence: 0.756039408

00:03:08.450 --> 00:03:12.004 and so we want to get people to

NOTE Confidence: 0.756039408

00:03:12.004 --> 00:03:13.818 either never smoke or people do

NOTE Confidence: 0.756039408

00:03:13.818 --> 00:03:15.726 who have smoked to stop smoking.

NOTE Confidence: 0.756039408

00:03:15.730 --> 00:03:19.930 And so there are some real

NOTE Confidence: 0.756039408

00:03:19.930 --> 00:03:22.730 innovations in lung cancer.

NOTE Confidence: 0.756039408

00:03:22.730 --> 00:03:23.318 Quitting,

NOTE Confidence: 0.756039408

00:03:23.318 --> 00:03:27.434 smoking and and people not ever starting.

NOTE Confidence: 0.756039408

00:03:27.440 --> 00:03:30.156 So there are we have a program

NOTE Confidence: 0.756039408

00:03:30.156 --> 00:03:33.307 here that where we combine things

NOTE Confidence: 0.756039408

00:03:33.307 --> 00:03:35.839 like nicotine replacement therapy

NOTE Confidence: 0.756039408

00:03:35.839 --> 00:03:38.787 and certain medications that that

NOTE Confidence: 0.756039408

00:03:38.787 --> 00:03:41.197 curb the craving for nicotine.

NOTE Confidence: 0.756039408

00:03:41.200 --> 00:03:43.760 And we have a we have a successful

NOTE Confidence: 0.756039408

00:03:43.760 --> 00:03:46.895 program in getting people to break the habit.

NOTE Confidence: 0.756039408

00:03:46.900 --> 00:03:48.790 Lisa Fuschetto is going to be on

NOTE Confidence: 0.756039408

00:03:48.790 --> 00:03:50.801 a little bit later and we could

NOTE Confidence: 0.756039408

00:03:50.801 --> 00:03:52.860 talk about all of the things that.

NOTE Confidence: 0.756039408

00:03:52.860 --> 00:03:55.620 We use and we can talk about electronic

NOTE Confidence: 0.756039408

00:03:55.620 --> 00:03:57.460 cigarettes and things like that,

NOTE Confidence: 0.756039408

00:03:57.460 --> 00:03:59.692 but I think there's been a lot of

NOTE Confidence: 0.756039408

00:03:59.692 --> 00:04:02.205 progress in in breaking that cycle of

NOTE Confidence: 0.756039408

00:04:02.205 --> 00:04:04.095 people starting smoking and smoking

NOTE Confidence: 0.756039408

00:04:04.163 --> 00:04:06.281 rates have been declining in the

NOTE Confidence: 0.756039408

00:04:06.281 --> 00:04:08.368 United States and across the world,

NOTE Confidence: 0.756039408

00:04:08.368 --> 00:04:10.706 and I think getting people who are

NOTE Confidence: 0.756039408

00:04:10.706 --> 00:04:12.647 active smokers to stop smoking.

NOTE Confidence: 0.756039408

00:04:12.650 --> 00:04:15.266 That's a real area of innovation.

NOTE Confidence: 0.756039408

00:04:15.270 --> 00:04:18.202 So if somebody is going to develop
NOTE Confidence: 0.756039408

00:04:18.202 --> 00:04:20.614 lung cancer, it's a tough cancer.
NOTE Confidence: 0.756039408

00:04:20.620 --> 00:04:23.200 It can be a tough cancer to treat and so you.
NOTE Confidence: 0.756039408

00:04:23.200 --> 00:04:25.335 Really want to find it early and
NOTE Confidence: 0.756039408

00:04:25.335 --> 00:04:27.180 one of the biggest innovations
NOTE Confidence: 0.756039408

00:04:27.180 --> 00:04:29.759 in in lung cancer's history is
NOTE Confidence: 0.756039408

00:04:29.759 --> 00:04:32.357 the value of screening for it.
NOTE Confidence: 0.878031996

00:04:32.360 --> 00:04:35.600 And so people that get one CT scan a year.
NOTE Confidence: 0.878031996

00:04:35.600 --> 00:04:36.920 If you're eligible,
NOTE Confidence: 0.878031996

00:04:36.920 --> 00:04:39.560 it's it's almost always paid for,
NOTE Confidence: 0.878031996

00:04:39.560 --> 00:04:41.534 and it really takes very little time.
NOTE Confidence: 0.878031996

00:04:41.540 --> 00:04:44.789 It's like an hour and it can reduce your
NOTE Confidence: 0.878031996

00:04:44.789 --> 00:04:47.564 chances of dying of lung cancer by 20%.
NOTE Confidence: 0.878031996

00:04:47.570 --> 00:04:49.766 It's it's the single most impactful
NOTE Confidence: 0.878031996

00:04:49.766 --> 00:04:52.097 thing that we have in preventing
NOTE Confidence: 0.878031996

00:04:52.097 --> 00:04:54.485 people from dying of lung cancer.

NOTE Confidence: 0.878031996

00:04:54.490 --> 00:04:58.240 Is screening with CT scanning and

NOTE Confidence: 0.878031996

00:04:58.240 --> 00:05:01.638 shockingly about 7% of the people who are

NOTE Confidence: 0.878031996

00:05:01.638 --> 00:05:04.092 eligible in the United States actually

NOTE Confidence: 0.878031996

00:05:04.092 --> 00:05:07.370 are screened so 95% of people who could

NOTE Confidence: 0.878031996

00:05:07.370 --> 00:05:09.230 get screened actually don't participate

NOTE Confidence: 0.878031996

00:05:09.290 --> 00:05:12.309 in a screening program and so recently

NOTE Confidence: 0.878031996

00:05:12.309 --> 00:05:15.747 they have expanded the eligibility criteria.

NOTE Confidence: 0.878031996

00:05:15.750 --> 00:05:17.550 So just sort of bank this.

NOTE Confidence: 0.878031996

00:05:17.550 --> 00:05:19.727 This is who can get screened if

NOTE Confidence: 0.878031996

00:05:19.727 --> 00:05:21.848 you're between the ages of 50 and 80.

NOTE Confidence: 0.878031996

00:05:21.850 --> 00:05:23.887 If you've been a smoker within the

NOTE Confidence: 0.878031996

00:05:23.887 --> 00:05:24.760 past 15 years.

NOTE Confidence: 0.878031996

00:05:24.760 --> 00:05:26.476 And if you say well, it was 16 years,

NOTE Confidence: 0.878031996

00:05:26.476 --> 00:05:28.960 so I better smoke so I can get screened.

NOTE Confidence: 0.878031996

00:05:28.960 --> 00:05:30.388 You know we can.

NOTE Confidence: 0.878031996

00:05:30.388 --> 00:05:32.173 We can work with that.
NOTE Confidence: 0.878031996

00:05:32.180 --> 00:05:33.635 The don't don't start smoking
NOTE Confidence: 0.878031996

00:05:33.635 --> 00:05:35.749 just so you can get a CT scan,
NOTE Confidence: 0.878031996

00:05:35.750 --> 00:05:37.184 but if you smoked an average
NOTE Confidence: 0.878031996

00:05:37.184 --> 00:05:39.219 of a pack a day for 20 years,
NOTE Confidence: 0.878031996

00:05:39.220 --> 00:05:42.315 so that means a half a pack a day for 40
NOTE Confidence: 0.878031996

00:05:42.315 --> 00:05:44.752 years or two packs a day for 10 years.
NOTE Confidence: 0.878031996

00:05:44.752 --> 00:05:46.264 But if it's an average of a
NOTE Confidence: 0.878031996

00:05:46.264 --> 00:05:47.519 pack a day for 20 years,
NOTE Confidence: 0.878031996

00:05:47.520 --> 00:05:48.468 you are eligible.
NOTE Confidence: 0.878031996

00:05:48.468 --> 00:05:50.680 We have a lung cancer screening program.
NOTE Confidence: 0.878031996

00:05:50.680 --> 00:05:52.715 We actually have them at
NOTE Confidence: 0.878031996

00:05:52.715 --> 00:05:55.250 every site every we have them.
NOTE Confidence: 0.878031996

00:05:55.250 --> 00:05:58.298 A Greenwich Bridgeport in New Haven
NOTE Confidence: 0.878031996

00:05:58.298 --> 00:06:01.222 and in New London just give us a
NOTE Confidence: 0.878031996

00:06:01.222 --> 00:06:03.069 call and we'd be happy to get you.

NOTE Confidence: 0.878031996

00:06:03.070 --> 00:06:05.660 Signed up and again it reduces your

NOTE Confidence: 0.878031996

00:06:05.660 --> 00:06:08.416 chances of dying of lung cancer by 20%.

NOTE Confidence: 0.878031996

00:06:08.420 --> 00:06:11.500 So if you have to be treated for lung cancer,

NOTE Confidence: 0.878031996

00:06:11.500 --> 00:06:13.613 we really want to make treatment

NOTE Confidence: 0.878031996

00:06:13.613 --> 00:06:16.931 easier on patients and safer and

NOTE Confidence: 0.878031996

00:06:16.931 --> 00:06:19.995 so lung cancer surgery has become

NOTE Confidence: 0.878031996

00:06:19.995 --> 00:06:21.999 much less invasive overtime.

NOTE Confidence: 0.878031996

00:06:22.000 --> 00:06:23.770 So you can see here.

NOTE Confidence: 0.878031996

00:06:23.770 --> 00:06:27.550 This is what a classic thoracotomy was.

NOTE Confidence: 0.878031996

00:06:27.550 --> 00:06:28.501 Now we do.

NOTE Confidence: 0.878031996

00:06:28.501 --> 00:06:30.086 The vast majority of things

NOTE Confidence: 0.878031996

00:06:30.086 --> 00:06:31.380 through little incisions.

NOTE Confidence: 0.878031996

00:06:31.380 --> 00:06:33.678 So the biggest incision ends up

NOTE Confidence: 0.878031996

00:06:33.678 --> 00:06:36.120 being about an inch and a half,

NOTE Confidence: 0.878031996

00:06:36.120 --> 00:06:37.776 and it's all under the armpit.

NOTE Confidence: 0.878031996

00:06:37.780 --> 00:06:38.749 We do this.
NOTE Confidence: 0.878031996

00:06:38.749 --> 00:06:39.718 Either with VATS,
NOTE Confidence: 0.878031996

00:06:39.720 --> 00:06:41.454 which is a camera where the
NOTE Confidence: 0.878031996

00:06:41.454 --> 00:06:42.610 surgeons at the bedside,
NOTE Confidence: 0.878031996

00:06:42.610 --> 00:06:44.610 or a robot where the surgeons in the
NOTE Confidence: 0.878031996

00:06:44.610 --> 00:06:46.606 room but in the corner of the room.
NOTE Confidence: 0.878031996

00:06:46.610 --> 00:06:48.134 Either way,
NOTE Confidence: 0.878031996

00:06:48.134 --> 00:06:51.228 small incisions and it's reduces
NOTE Confidence: 0.878031996

00:06:51.228 --> 00:06:53.248 the pain and expedites the
NOTE Confidence: 0.878031996

00:06:53.248 --> 00:06:55.895 recovery and does just as good a
NOTE Confidence: 0.878031996

00:06:55.895 --> 00:06:57.935 job at treating these for cancer.
NOTE Confidence: 0.878031996

00:06:57.940 --> 00:07:00.530 I will say that if yet that
NOTE Confidence: 0.878031996

00:07:00.530 --> 00:07:01.640 thoracotomy sound horrible,
NOTE Confidence: 0.878031996

00:07:01.640 --> 00:07:03.537 but we do them here as well,
NOTE Confidence: 0.878031996

00:07:03.540 --> 00:07:05.052 and sometimes so you have to
NOTE Confidence: 0.878031996

00:07:05.052 --> 00:07:06.060 do that for cancer,

NOTE Confidence: 0.878031996

00:07:06.060 --> 00:07:07.335 and there are techniques to

NOTE Confidence: 0.878031996

00:07:07.335 --> 00:07:08.860 do that where you don't cut.

NOTE Confidence: 0.878031996

00:07:08.860 --> 00:07:10.258 Big muscles you don't crack or

NOTE Confidence: 0.878031996

00:07:10.258 --> 00:07:11.700 break ribs or things like that,

NOTE Confidence: 0.878031996

00:07:11.700 --> 00:07:14.115 and so even when we're not doing

NOTE Confidence: 0.878031996

00:07:14.115 --> 00:07:15.150 minimally invasive surgery,

NOTE Confidence: 0.878031996

00:07:15.150 --> 00:07:17.775 we're we tend to have an approach

NOTE Confidence: 0.878031996

00:07:17.775 --> 00:07:20.424 that is less traumatic and and

NOTE Confidence: 0.878031996

00:07:20.424 --> 00:07:22.336 easier to recover from.

NOTE Confidence: 0.878031996

00:07:22.340 --> 00:07:23.400 There are non-surgical options.

NOTE Confidence: 0.878031996

00:07:23.400 --> 00:07:24.990 I'm going to talk a little

NOTE Confidence: 0.927972404444444

00:07:25.039 --> 00:07:26.959 bit more about radiation in a few minutes,

NOTE Confidence: 0.927972404444444

00:07:26.960 --> 00:07:29.192 but we do have things like ablation which

NOTE Confidence: 0.927972404444444

00:07:29.192 --> 00:07:31.518 is like putting a hot wire in a tumor.

NOTE Confidence: 0.927972404444444

00:07:31.520 --> 00:07:33.412 So we've made treatment

NOTE Confidence: 0.927972404444444

00:07:33.412 --> 00:07:35.777 easier and safer for patients,
NOTE Confidence: 0.9279724044444444

00:07:35.780 --> 00:07:37.810 both by making surgery safer.
NOTE Confidence: 0.9279724044444444

00:07:37.810 --> 00:07:39.625 But we do have nonsurgical
NOTE Confidence: 0.9279724044444444

00:07:39.625 --> 00:07:41.440 treatments which are also safe,
NOTE Confidence: 0.9279724044444444

00:07:41.440 --> 00:07:43.546 and so people some people are
NOTE Confidence: 0.9279724044444444

00:07:43.546 --> 00:07:45.593 not healthy enough enough to have
NOTE Confidence: 0.9279724044444444

00:07:45.593 --> 00:07:47.346 surgery or surgery would not leave
NOTE Confidence: 0.9279724044444444

00:07:47.346 --> 00:07:49.110 them with enough lung function to
NOTE Confidence: 0.9279724044444444

00:07:49.170 --> 00:07:50.978 do the things that they want to do.
NOTE Confidence: 0.9279724044444444

00:07:50.980 --> 00:07:52.964 We really try to.
NOTE Confidence: 0.9279724044444444

00:07:52.964 --> 00:07:55.444 Taylor up treatment to meet
NOTE Confidence: 0.9279724044444444

00:07:55.450 --> 00:07:56.766 people's goals of care.
NOTE Confidence: 0.9279724044444444

00:07:56.766 --> 00:07:58.411 And so we have surgical
NOTE Confidence: 0.9279724044444444

00:07:58.411 --> 00:08:00.168 and non surgical options.
NOTE Confidence: 0.9279724044444444

00:08:00.170 --> 00:08:01.170 Uhm, chemotherapy?
NOTE Confidence: 0.9279724044444444

00:08:01.170 --> 00:08:04.670 This is traditionally been one of the

NOTE Confidence: 0.927972404444444

00:08:04.670 --> 00:08:07.427 least exciting parts of the talk,

NOTE Confidence: 0.927972404444444

00:08:07.430 --> 00:08:09.310 and that's not just 'cause I'm a surgeon,

NOTE Confidence: 0.927972404444444

00:08:09.310 --> 00:08:11.944 but it's it is an incredibly

NOTE Confidence: 0.927972404444444

00:08:11.944 --> 00:08:14.240 exciting part of the talk.

NOTE Confidence: 0.927972404444444

00:08:14.240 --> 00:08:14.677 Chemotherapy,

NOTE Confidence: 0.927972404444444

00:08:14.677 --> 00:08:18.610 now we have new ways of looking at tumors

NOTE Confidence: 0.927972404444444

00:08:18.691 --> 00:08:21.949 and understanding why tumors are growing,

NOTE Confidence: 0.927972404444444

00:08:21.950 --> 00:08:24.666 and we have new agents that take

NOTE Confidence: 0.927972404444444

00:08:24.666 --> 00:08:27.072 advantage of some of things that

NOTE Confidence: 0.927972404444444

00:08:27.072 --> 00:08:29.400 are unique to the tumor cells,

NOTE Confidence: 0.927972404444444

00:08:29.400 --> 00:08:31.248 and so there is targeted therapy

NOTE Confidence: 0.927972404444444

00:08:31.248 --> 00:08:31.864 and immunotherapy.

NOTE Confidence: 0.927972404444444

00:08:31.870 --> 00:08:34.190 So targeted therapy is basically

NOTE Confidence: 0.927972404444444

00:08:34.190 --> 00:08:36.510 a special type of chemotherapy

NOTE Confidence: 0.927972404444444

00:08:36.585 --> 00:08:38.790 that takes advantage of genetic

NOTE Confidence: 0.927972404444444

00:08:38.790 --> 00:08:41.520 changes that happen in tumor cells.
NOTE Confidence: 0.9279724044444444

00:08:41.520 --> 00:08:45.885 So Simply put. Every cell has DNA in it.
NOTE Confidence: 0.9279724044444444

00:08:45.890 --> 00:08:47.846 That's like the Book of Directions
NOTE Confidence: 0.9279724044444444

00:08:47.846 --> 00:08:49.531 that tells the cell everything
NOTE Confidence: 0.9279724044444444

00:08:49.531 --> 00:08:51.729 it needs to know how to function
NOTE Confidence: 0.9279724044444444

00:08:51.729 --> 00:08:53.210 when the cell divides,
NOTE Confidence: 0.9279724044444444

00:08:53.210 --> 00:08:55.786 it has to duplicate that book of directions.
NOTE Confidence: 0.9279724044444444

00:08:55.790 --> 00:08:57.480 It's a very sloppy process
NOTE Confidence: 0.9279724044444444

00:08:57.480 --> 00:08:58.832 and it makes mistakes.
NOTE Confidence: 0.9279724044444444

00:08:58.840 --> 00:09:01.535 And cancer cells make lots of mistakes,
NOTE Confidence: 0.9279724044444444

00:09:01.540 --> 00:09:03.736 and some of those mistakes actually
NOTE Confidence: 0.9279724044444444

00:09:03.736 --> 00:09:06.118 helped the cancer grow and so
NOTE Confidence: 0.9279724044444444

00:09:06.118 --> 00:09:07.810 targeted therapy takes advantage
NOTE Confidence: 0.9279724044444444

00:09:07.810 --> 00:09:09.502 of those specific mistakes,
NOTE Confidence: 0.9279724044444444

00:09:09.510 --> 00:09:11.385 disrupts that so that the
NOTE Confidence: 0.9279724044444444

00:09:11.385 --> 00:09:13.260 cancer cells can't grow anymore.

NOTE Confidence: 0.927972404444444

00:09:13.260 --> 00:09:14.900 And because it's something that.

NOTE Confidence: 0.927972404444444

00:09:14.900 --> 00:09:20.124 Is is a mistake or an error mutation

NOTE Confidence: 0.927972404444444

00:09:20.130 --> 00:09:21.552 you you don't really find that

NOTE Confidence: 0.927972404444444

00:09:21.552 --> 00:09:23.507 in the normal cells and so these

NOTE Confidence: 0.927972404444444

00:09:23.507 --> 00:09:24.779 targeted therapies they're they're

NOTE Confidence: 0.927972404444444

00:09:24.779 --> 00:09:26.590 really effective at the cancer cells,

NOTE Confidence: 0.927972404444444

00:09:26.590 --> 00:09:27.526 but they do.

NOTE Confidence: 0.927972404444444

00:09:27.526 --> 00:09:29.398 They're far less toxic to the

NOTE Confidence: 0.927972404444444

00:09:29.398 --> 00:09:31.367 normal cells that don't have

NOTE Confidence: 0.927972404444444

00:09:31.367 --> 00:09:32.959 these these genetic changes.

NOTE Confidence: 0.927972404444444

00:09:32.960 --> 00:09:36.448 So if this is a group of patients,

NOTE Confidence: 0.927972404444444

00:09:36.450 --> 00:09:38.975 the thing about mutations are

NOTE Confidence: 0.927972404444444

00:09:38.975 --> 00:09:40.995 they're not incredibly common,

NOTE Confidence: 0.927972404444444

00:09:41.000 --> 00:09:43.058 but they're in pockets of patients,

NOTE Confidence: 0.927972404444444

00:09:43.060 --> 00:09:44.817 and so if this is just a

NOTE Confidence: 0.927972404444444

00:09:44.817 --> 00:09:46.240 big cohort of patients.
NOTE Confidence: 0.9279724044444444

00:09:46.240 --> 00:09:47.088 And you say, well,
NOTE Confidence: 0.9279724044444444

00:09:47.088 --> 00:09:49.219 how many of them have a K RASK mutation?
NOTE Confidence: 0.9279724044444444

00:09:49.220 --> 00:09:51.383 So that's a kind of change that
NOTE Confidence: 0.9279724044444444

00:09:51.383 --> 00:09:53.858 has as a treatment for well,
NOTE Confidence: 0.9279724044444444

00:09:53.860 --> 00:09:54.802 it's about 14%.
NOTE Confidence: 0.9279724044444444

00:09:54.802 --> 00:09:57.000 So that doesn't sound like a lot,
NOTE Confidence: 0.9279724044444444

00:09:57.000 --> 00:09:59.160 but when you take into consideration
NOTE Confidence: 0.9279724044444444

00:09:59.160 --> 00:10:00.600 there's something called EGFR,
NOTE Confidence: 0.9279724044444444

00:10:00.600 --> 00:10:01.947 that's another 14%.
NOTE Confidence: 0.9279724044444444

00:10:01.947 --> 00:10:04.192 There's ALK and met changes
NOTE Confidence: 0.9279724044444444

00:10:04.192 --> 00:10:05.800 that have targets,
NOTE Confidence: 0.9279724044444444

00:10:05.800 --> 00:10:08.439 and that's another 10% between the two.
NOTE Confidence: 0.9279724044444444

00:10:08.440 --> 00:10:11.400 And then you have beer after two red.
NOTE Confidence: 0.9279724044444444

00:10:11.400 --> 00:10:13.056 So when you get to all of these changes,
NOTE Confidence: 0.9279724044444444

00:10:13.060 --> 00:10:13.860 all of a sudden,

NOTE Confidence: 0.927972404444444

00:10:13.860 --> 00:10:16.720 a significant portion of patients.

NOTE Confidence: 0.927972404444444

00:10:16.720 --> 00:10:18.660 Have a really good option

NOTE Confidence: 0.927972404444444

00:10:18.660 --> 00:10:20.600 with targeted therapy and so.

NOTE Confidence: 0.927972404444444

00:10:20.600 --> 00:10:22.684 That's something that's really

NOTE Confidence: 0.927972404444444

00:10:22.684 --> 00:10:25.289 new and is really exciting,

NOTE Confidence: 0.927972404444444

00:10:25.290 --> 00:10:27.726 and so we have options and so

NOTE Confidence: 0.927972404444444

00:10:27.726 --> 00:10:29.719 for advanced stage lung cancer,

NOTE Confidence: 0.927972404444444

00:10:29.720 --> 00:10:31.930 the stage four lung cancer

NOTE Confidence: 0.927972404444444

00:10:31.930 --> 00:10:34.140 the the survival for stage

NOTE Confidence: 0.879743919

00:10:34.223 --> 00:10:36.513 four lung cancer has quadrupled

NOTE Confidence: 0.879743919

00:10:36.513 --> 00:10:38.803 in the past five years.

NOTE Confidence: 0.879743919

00:10:38.810 --> 00:10:40.229 That's that's crazy.

NOTE Confidence: 0.879743919

00:10:40.229 --> 00:10:42.594 That's that's unheard of progress.

NOTE Confidence: 0.879743919

00:10:42.600 --> 00:10:44.448 Uhm, so anybody that tells you they

NOTE Confidence: 0.879743919

00:10:44.448 --> 00:10:46.620 they know what your future is or they

NOTE Confidence: 0.879743919

00:10:46.620 --> 00:10:48.369 know what's going to happen to you.
NOTE Confidence: 0.879743919

00:10:48.370 --> 00:10:50.880 They very well may not, because it's
NOTE Confidence: 0.879743919

00:10:50.880 --> 00:10:53.250 the field is changing so quickly.
NOTE Confidence: 0.879743919

00:10:53.250 --> 00:10:56.790 Immunotherapy immunotherapy are drugs that
NOTE Confidence: 0.879743919

00:10:56.790 --> 00:10:59.450 take advantage of your own immune system.
NOTE Confidence: 0.879743919

00:10:59.450 --> 00:11:01.905 So cancer cells can turn
NOTE Confidence: 0.879743919

00:11:01.905 --> 00:11:03.869 off the immune system.
NOTE Confidence: 0.879743919

00:11:03.870 --> 00:11:06.054 The immune system is designed to
NOTE Confidence: 0.879743919

00:11:06.054 --> 00:11:07.927 identify things that are invaders
NOTE Confidence: 0.879743919

00:11:07.927 --> 00:11:09.997 or foreign things that are not
NOTE Confidence: 0.879743919

00:11:09.997 --> 00:11:11.870 supposed to be in the body.
NOTE Confidence: 0.879743919

00:11:11.870 --> 00:11:12.788 Cancer cells are.
NOTE Confidence: 0.879743919

00:11:12.788 --> 00:11:14.624 Very different than the normal body,
NOTE Confidence: 0.879743919

00:11:14.630 --> 00:11:16.502 but the immune system can ignore
NOTE Confidence: 0.879743919

00:11:16.502 --> 00:11:18.086 them because the immune system
NOTE Confidence: 0.879743919

00:11:18.086 --> 00:11:19.997 can trick us or the cancer cells

NOTE Confidence: 0.879743919

00:11:19.997 --> 00:11:21.610 can trick the immune system.

NOTE Confidence: 0.879743919

00:11:21.610 --> 00:11:23.358 So immunotherapy are drugs

NOTE Confidence: 0.879743919

00:11:23.358 --> 00:11:25.106 that do several things.

NOTE Confidence: 0.879743919

00:11:25.110 --> 00:11:28.046 One of them is they block the tumor

NOTE Confidence: 0.879743919

00:11:28.046 --> 00:11:30.888 cells ability to trick the immune system,

NOTE Confidence: 0.879743919

00:11:30.890 --> 00:11:32.954 and so it stops ignoring it

NOTE Confidence: 0.879743919

00:11:32.954 --> 00:11:35.329 and takes out the cancer cell.

NOTE Confidence: 0.879743919

00:11:35.330 --> 00:11:38.390 Sometimes we have therapies.

NOTE Confidence: 0.879743919

00:11:38.390 --> 00:11:40.560 That are like vaccine therapies

NOTE Confidence: 0.879743919

00:11:40.560 --> 00:11:42.730 that actually teach the immune

NOTE Confidence: 0.879743919

00:11:42.807 --> 00:11:44.907 system that the cancer is bad.

NOTE Confidence: 0.879743919

00:11:44.910 --> 00:11:46.765 And then there are ways to make

NOTE Confidence: 0.879743919

00:11:46.765 --> 00:11:48.110 the immune system stronger.

NOTE Confidence: 0.879743919

00:11:48.110 --> 00:11:50.645 And there's there's actually AT

NOTE Confidence: 0.879743919

00:11:50.645 --> 00:11:53.180 cell infusions where where your

NOTE Confidence: 0.879743919

00:11:53.261 --> 00:11:55.865 blood can be removed and educated
NOTE Confidence: 0.879743919

00:11:55.865 --> 00:11:58.010 and re introduced to you.
NOTE Confidence: 0.879743919

00:11:58.010 --> 00:11:59.330 So immunotherapy and immunotherapy
NOTE Confidence: 0.879743919

00:11:59.330 --> 00:12:02.038 if we go back to that grid where
NOTE Confidence: 0.879743919

00:12:02.038 --> 00:12:04.030 those green people and red people,
NOTE Confidence: 0.879743919

00:12:04.030 --> 00:12:06.669 that's a whole another slice of the
NOTE Confidence: 0.879743919

00:12:06.669 --> 00:12:08.838 population that has a good option.
NOTE Confidence: 0.879743919

00:12:08.840 --> 00:12:10.568 Now that didn't before,
NOTE Confidence: 0.879743919

00:12:10.568 --> 00:12:14.009 so and there are markers we can tell,
NOTE Confidence: 0.879743919

00:12:14.010 --> 00:12:15.942 just like we can look for these
NOTE Confidence: 0.879743919

00:12:15.942 --> 00:12:16.494 genetic changes.
NOTE Confidence: 0.879743919

00:12:16.500 --> 00:12:17.956 There are markers that can tell up.
NOTE Confidence: 0.879743919

00:12:17.960 --> 00:12:20.270 Immune therapy is likely to work.
NOTE Confidence: 0.879743919

00:12:20.270 --> 00:12:22.658 Radiation has also become a lot
NOTE Confidence: 0.879743919

00:12:22.658 --> 00:12:25.609 safer and a lot more effective,
NOTE Confidence: 0.879743919

00:12:25.610 --> 00:12:29.002 so the the probably one of the most

NOTE Confidence: 0.879743919

00:12:29.002 --> 00:12:31.360 exciting things in radiation is

NOTE Confidence: 0.879743919

00:12:31.360 --> 00:12:34.204 the change the way it's delivered

NOTE Confidence: 0.879743919

00:12:34.204 --> 00:12:36.678 instead of the traditional form

NOTE Confidence: 0.879743919

00:12:36.680 --> 00:12:39.186 which is is a more limited number

NOTE Confidence: 0.879743919

00:12:39.186 --> 00:12:42.051 of beams coming from a more limited

NOTE Confidence: 0.879743919

00:12:42.051 --> 00:12:43.335 number of directions.

NOTE Confidence: 0.879743919

00:12:43.340 --> 00:12:47.430 There's a stereotactic radiation or

NOTE Confidence: 0.879743919

00:12:47.430 --> 00:12:49.884 stereotactic oblated radiotherapy,

NOTE Confidence: 0.879743919

00:12:49.890 --> 00:12:50.931 where instead of.

NOTE Confidence: 0.879743919

00:12:50.931 --> 00:12:53.013 Just a couple of beams coming

NOTE Confidence: 0.879743919

00:12:53.013 --> 00:12:54.699 from from front to back.

NOTE Confidence: 0.879743919

00:12:54.700 --> 00:12:56.506 There's a large number of radiation

NOTE Confidence: 0.879743919

00:12:56.506 --> 00:12:58.423 beams that come from all different

NOTE Confidence: 0.879743919

00:12:58.423 --> 00:13:00.397 directions they meet in the middle.

NOTE Confidence: 0.879743919

00:13:00.400 --> 00:13:02.600 So the thing in the middle gets a huge dose,

NOTE Confidence: 0.879743919

00:13:02.600 --> 00:13:03.620 but everything around it
NOTE Confidence: 0.879743919

00:13:03.620 --> 00:13:04.895 gets a really small dose,
NOTE Confidence: 0.879743919

00:13:04.900 --> 00:13:07.270 so there's there's far less symptoms,
NOTE Confidence: 0.879743919

00:13:07.270 --> 00:13:08.646 side effects or recovery,
NOTE Confidence: 0.879743919

00:13:08.646 --> 00:13:11.170 and so it's a really good nonsurgical
NOTE Confidence: 0.879743919

00:13:11.170 --> 00:13:14.298 option that a lot of patients have that
NOTE Confidence: 0.879743919

00:13:14.298 --> 00:13:16.645 didn't have a really ten years ago.
NOTE Confidence: 0.92770768

00:13:19.300 --> 00:13:21.658 So we have other were also.
NOTE Confidence: 0.92770768

00:13:21.660 --> 00:13:23.080 Our general approach is
NOTE Confidence: 0.92770768

00:13:23.080 --> 00:13:24.500 a little bit different.
NOTE Confidence: 0.92770768

00:13:24.500 --> 00:13:26.798 So just like a campfire that's
NOTE Confidence: 0.92770768

00:13:26.798 --> 00:13:29.060 smoldering can can can reignite.
NOTE Confidence: 0.92770768

00:13:29.060 --> 00:13:30.964 We're offering more treatments
NOTE Confidence: 0.92770768

00:13:30.964 --> 00:13:32.868 to early stage patients,
NOTE Confidence: 0.92770768

00:13:32.870 --> 00:13:34.894 so we're giving chemotherapy,
NOTE Confidence: 0.92770768

00:13:34.894 --> 00:13:37.424 realizing that that not all

NOTE Confidence: 0.92770768

00:13:37.424 --> 00:13:40.020 early stage patients are early.

NOTE Confidence: 0.92770768

00:13:40.020 --> 00:13:41.690 They may have microscopic cancer

NOTE Confidence: 0.92770768

00:13:41.690 --> 00:13:44.257 that that was not seen on the CT

NOTE Confidence: 0.92770768

00:13:44.257 --> 00:13:46.210 scans and the PET scans because they

NOTE Confidence: 0.92770768

00:13:46.274 --> 00:13:48.459 really can't see microscopic cancer.

NOTE Confidence: 0.92770768

00:13:48.460 --> 00:13:49.904 So we're doing more.

NOTE Confidence: 0.92770768

00:13:49.904 --> 00:13:51.709 For people that look like

NOTE Confidence: 0.92770768

00:13:51.709 --> 00:13:53.710 their early staged UM,

NOTE Confidence: 0.92770768

00:13:53.710 --> 00:13:57.265 the in that includes these

NOTE Confidence: 0.92770768

00:13:57.265 --> 00:13:59.170 the standard chemotherapy.

NOTE Confidence: 0.92770768

00:13:59.170 --> 00:14:01.710 But there's also targeted

NOTE Confidence: 0.92770768

00:14:01.710 --> 00:14:04.030 therapy trials where were.

NOTE Confidence: 0.92770768

00:14:04.030 --> 00:14:04.582 Doctor Herbst,

NOTE Confidence: 0.92770768

00:14:04.582 --> 00:14:05.686 who's on this call,

NOTE Confidence: 0.92770768

00:14:05.690 --> 00:14:08.108 was a leading investigator that showed

NOTE Confidence: 0.92770768

00:14:08.108 --> 00:14:10.868 that that giving EGFR therapy after
NOTE Confidence: 0.92770768

00:14:10.868 --> 00:14:13.964 earlier stage lung cancer may help,
NOTE Confidence: 0.92770768

00:14:13.970 --> 00:14:15.458 and and now, immunotherapy,
NOTE Confidence: 0.92770768

00:14:15.458 --> 00:14:17.690 may have a role as well.
NOTE Confidence: 0.92770768

00:14:17.690 --> 00:14:19.330 And and for some situations,
NOTE Confidence: 0.92770768

00:14:19.330 --> 00:14:21.043 giving radiation after
NOTE Confidence: 0.92770768

00:14:21.043 --> 00:14:23.327 surgery can be helpful.
NOTE Confidence: 0.92770768

00:14:23.330 --> 00:14:25.530 Uhm?
NOTE Confidence: 0.92770768

00:14:25.530 --> 00:14:28.421 We also treat late stage cancer like
NOTE Confidence: 0.92770768

00:14:28.421 --> 00:14:30.799 it's early stage and in certain
NOTE Confidence: 0.92770768

00:14:30.799 --> 00:14:34.136 settings so we we know that if you have
NOTE Confidence: 0.92770768

00:14:34.136 --> 00:14:36.929 cancer that spreads to a vital organ,
NOTE Confidence: 0.92770768

00:14:36.930 --> 00:14:39.387 if it only spreads to a couple of spots,
NOTE Confidence: 0.92770768

00:14:39.390 --> 00:14:40.758 that's actually very different
NOTE Confidence: 0.92770768

00:14:40.758 --> 00:14:42.810 than if it spreads a lot.
NOTE Confidence: 0.92770768

00:14:42.810 --> 00:14:44.510 And so we have options.

NOTE Confidence: 0.92770768

00:14:44.510 --> 00:14:47.114 We've been come more aggressive in

NOTE Confidence: 0.92770768

00:14:47.114 --> 00:14:48.954 treating people that have cancer,

NOTE Confidence: 0.92770768

00:14:48.954 --> 00:14:52.416 that is that has spread from the lungs to

NOTE Confidence: 0.92770768

00:14:52.416 --> 00:14:54.566 other vital organs really aggressively.

NOTE Confidence: 0.92770768

00:14:54.570 --> 00:14:55.980 Now it's not for everybody.

NOTE Confidence: 0.92770768

00:14:55.980 --> 00:14:57.805 And and it's like everything

NOTE Confidence: 0.92770768

00:14:57.805 --> 00:14:59.265 that I'm talking about.

NOTE Confidence: 0.92770768

00:14:59.270 --> 00:15:01.178 We really try to match the

NOTE Confidence: 0.92770768

00:15:01.178 --> 00:15:02.450 treatment to the patients.

NOTE Confidence: 0.92770768

00:15:02.450 --> 00:15:05.434 So we maximize the chance that it helps

NOTE Confidence: 0.92770768

00:15:05.434 --> 00:15:08.296 and minimizes the chance that it's harmful.

NOTE Confidence: 0.92770768

00:15:08.300 --> 00:15:10.916 But that's that's definitely an innovation

NOTE Confidence: 0.92770768

00:15:10.916 --> 00:15:15.650 that's that's come on more recently and.

NOTE Confidence: 0.92770768

00:15:15.650 --> 00:15:17.799 It all comes down to a team.

NOTE Confidence: 0.92770768

00:15:17.800 --> 00:15:19.170 There's a saying in surgery

NOTE Confidence: 0.92770768

00:15:19.170 --> 00:15:20.540 that when you're a hammer,
NOTE Confidence: 0.92770768

00:15:20.540 --> 00:15:23.105 the world is a nail and that means if
NOTE Confidence: 0.92770768

00:15:23.105 --> 00:15:25.785 you've got one way of of doing things well,
NOTE Confidence: 0.92770768

00:15:25.790 --> 00:15:26.666 it's like magic.
NOTE Confidence: 0.92770768

00:15:26.666 --> 00:15:29.080 That way is the right way every time,
NOTE Confidence: 0.92770768

00:15:29.080 --> 00:15:31.327 but we all know that that the
NOTE Confidence: 0.92770768

00:15:31.327 --> 00:15:33.270 world is more complicated.
NOTE Confidence: 0.92770768

00:15:33.270 --> 00:15:34.510 That and cancer is more
NOTE Confidence: 0.92770768

00:15:34.510 --> 00:15:35.254 complicated than that,
NOTE Confidence: 0.92770768

00:15:35.260 --> 00:15:38.716 and so we pride ourselves on being a
NOTE Confidence: 0.92770768

00:15:38.716 --> 00:15:42.065 really big team with a lot of experts
NOTE Confidence: 0.92770768

00:15:42.070 --> 00:15:45.395 so that we can really offer what?
NOTE Confidence: 0.92770768

00:15:45.400 --> 00:15:48.662 Is the best for every patient because
NOTE Confidence: 0.92770768

00:15:48.662 --> 00:15:51.042 every patient represents a different
NOTE Confidence: 0.92770768

00:15:51.042 --> 00:15:53.988 battle against cancer and they have
NOTE Confidence: 0.92770768

00:15:53.988 --> 00:15:56.917 different goals and they have different.

NOTE Confidence: 0.92770768

00:15:56.920 --> 00:15:59.872 Histories and different medical

NOTE Confidence: 0.92770768

00:15:59.872 --> 00:16:02.086 strengths and limitations,

NOTE Confidence: 0.92770768

00:16:02.090 --> 00:16:05.834 and so we really try to tailor the best

NOTE Confidence: 0.92770768

00:16:05.834 --> 00:16:08.965 treatment to the patient and their tumor.

NOTE Confidence: 0.92770768

00:16:08.970 --> 00:16:10.950 So I think I did finish a little early.

NOTE Confidence: 0.92770768

00:16:10.950 --> 00:16:11.898 I hope so.

NOTE Confidence: 0.92770768

00:16:11.898 --> 00:16:14.110 I'm sure you guys got all that.

NOTE Confidence: 0.92770768

00:16:14.110 --> 00:16:16.470 There's no opportunity to review any of that.

NOTE Confidence: 0.92770768

00:16:16.470 --> 00:16:17.258 And no,

NOTE Confidence: 0.92770768

00:16:17.258 --> 00:16:20.410 I'm I'm happy if I if there are

NOTE Confidence: 0.92770768

00:16:20.514 --> 00:16:21.930 any questions,

NOTE Confidence: 0.92770768

00:16:21.930 --> 00:16:24.258 please ask me at the end.

NOTE Confidence: 0.957769488

00:16:26.590 --> 00:16:27.530 Thank you so much Dan.

NOTE Confidence: 0.957769488

00:16:27.530 --> 00:16:29.560 That was a wonderful whirlwind

NOTE Confidence: 0.957769488

00:16:29.560 --> 00:16:32.590 tour of of advances in lung cancer,

NOTE Confidence: 0.957769488

00:16:32.590 --> 00:16:35.890 so that's fantastic, so I'll ask.
NOTE Confidence: 0.957769488

00:16:35.890 --> 00:16:37.658 I think most if not all of our
NOTE Confidence: 0.957769488

00:16:37.658 --> 00:16:38.773 panelists have their videos on
NOTE Confidence: 0.957769488

00:16:38.773 --> 00:16:40.470 turn them on if you if you can.
NOTE Confidence: 0.957769488

00:16:40.470 --> 00:16:42.955 So so our audience can see us,
NOTE Confidence: 0.957769488

00:16:42.960 --> 00:16:45.704 and I think now what we're going to
NOTE Confidence: 0.957769488

00:16:45.704 --> 00:16:48.986 do is is spend some time to talking
NOTE Confidence: 0.957769488

00:16:48.986 --> 00:16:51.322 about the different treatments and
NOTE Confidence: 0.957769488

00:16:51.322 --> 00:16:54.190 modalities we have for for treating
NOTE Confidence: 0.957769488

00:16:54.272 --> 00:16:57.040 lung cancer and touch on some of the.
NOTE Confidence: 0.957769488

00:16:57.040 --> 00:16:58.700 Topics that Dan brought up.
NOTE Confidence: 0.957769488

00:16:58.700 --> 00:17:00.440 And so I'm going to open it up to the panel.
NOTE Confidence: 0.957769488

00:17:00.440 --> 00:17:02.736 I I like everyone to introduce themselves.
NOTE Confidence: 0.957769488

00:17:02.740 --> 00:17:05.272 I'll I'll call you out, but in the meantime,
NOTE Confidence: 0.957769488

00:17:05.272 --> 00:17:06.284 while we're doing that,
NOTE Confidence: 0.957769488

00:17:06.290 --> 00:17:07.534 if people have questions,

NOTE Confidence: 0.957769488

00:17:07.534 --> 00:17:09.867 post them in the chat and I will

NOTE Confidence: 0.957769488

00:17:09.867 --> 00:17:11.070 try to get to everyone's questions.

NOTE Confidence: 0.957769488

00:17:11.070 --> 00:17:11.920 We have it like I said,

NOTE Confidence: 0.957769488

00:17:11.920 --> 00:17:13.211 we have a good amount of time

NOTE Confidence: 0.957769488

00:17:13.211 --> 00:17:14.596 to have a nice discussion,

NOTE Confidence: 0.957769488

00:17:14.600 --> 00:17:15.872 so so let's.

NOTE Confidence: 0.957769488

00:17:15.872 --> 00:17:17.992 Let's have the panelists introduce

NOTE Confidence: 0.957769488

00:17:17.992 --> 00:17:18.416 themselves.

NOTE Confidence: 0.957769488

00:17:18.420 --> 00:17:21.282 We've tried to have good representation

NOTE Confidence: 0.957769488

00:17:21.282 --> 00:17:23.190 from various teams throughout

NOTE Confidence: 0.957769488

00:17:23.268 --> 00:17:25.800 our our network at various sites

NOTE Confidence: 0.957769488

00:17:25.800 --> 00:17:27.770 in different specialties and so.

NOTE Confidence: 0.957769488

00:17:27.770 --> 00:17:30.946 Let's let's hear tell us for our panelists.

NOTE Confidence: 0.957769488

00:17:30.950 --> 00:17:32.090 Tell everybody who you are,

NOTE Confidence: 0.957769488

00:17:32.090 --> 00:17:34.538 what you do and where you work really hurts.

NOTE Confidence: 0.957769488

00:17:34.540 --> 00:17:35.380 Would you like to start?
NOTE Confidence: 0.800787375714286

00:17:35.650 --> 00:17:36.310 Yeah, thanks Sarah.
NOTE Confidence: 0.800787375714286

00:17:36.310 --> 00:17:38.614 Great to be here. So I'm Roy Herbst,
NOTE Confidence: 0.800787375714286

00:17:38.614 --> 00:17:40.750 I'm the chief of medical oncology
NOTE Confidence: 0.800787375714286

00:17:40.822 --> 00:17:43.204 here at Yale and Smile and the
NOTE Confidence: 0.800787375714286

00:17:43.204 --> 00:17:44.952 associate director for Translational
NOTE Confidence: 0.800787375714286

00:17:44.952 --> 00:17:47.230 research at the Cancer Center,
NOTE Confidence: 0.800787375714286

00:17:47.230 --> 00:17:48.664 and I guess most appropriate for
NOTE Confidence: 0.800787375714286

00:17:48.664 --> 00:17:50.473 night is I'm the rector of the
NOTE Confidence: 0.800787375714286

00:17:50.473 --> 00:17:52.081 Spencer with the Basic cancers and
NOTE Confidence: 0.800787375714286

00:17:52.081 --> 00:17:53.616 really happy to be here tonight.
NOTE Confidence: 0.795047605

00:17:55.470 --> 00:17:56.301 Great thanks Eric.
NOTE Confidence: 0.795047605

00:17:56.301 --> 00:17:57.686 Great to have you here.
NOTE Confidence: 0.795047605

00:17:57.690 --> 00:17:58.672 Jennifer possick.
NOTE Confidence: 0.795047605

00:17:58.672 --> 00:18:00.636 Tell us about yourself.
NOTE Confidence: 0.724693391666667

00:18:01.720 --> 00:18:03.452 Hi, I'm Jennifer possick.

NOTE Confidence: 0.724693391666667
00:18:03.452 --> 00:18:06.789 I'm a pulmonologist and the director
NOTE Confidence: 0.724693391666667
00:18:06.789 --> 00:18:08.858 of the Winchester Center for Lung
NOTE Confidence: 0.724693391666667
00:18:08.860 --> 00:18:11.527 Disease and I practice out at North
NOTE Confidence: 0.724693391666667
00:18:11.527 --> 00:18:14.368 Haven both as part of the Thoracic
NOTE Confidence: 0.724693391666667
00:18:14.368 --> 00:18:16.792 oncology program and as part of
NOTE Confidence: 0.724693391666667
00:18:16.800 --> 00:18:18.768 the Winchester Pulmonary Clinic.
NOTE Confidence: 0.850178295555555
00:18:20.240 --> 00:18:22.805 Great, it's great to have you on the panel.
NOTE Confidence: 0.850178295555555
00:18:22.810 --> 00:18:23.848 Holly Robinson, you're going to be
NOTE Confidence: 0.850178295555555
00:18:23.848 --> 00:18:25.049 talking to us in a few minutes,
NOTE Confidence: 0.850178295555555
00:18:25.050 --> 00:18:27.234 but let's introduce you to the
NOTE Confidence: 0.850178295555555
00:18:27.234 --> 00:18:29.458 to the group. Go ahead everyone.
NOTE Confidence: 0.835174913076923
00:18:29.570 --> 00:18:30.488 I'm Holly Robinson.
NOTE Confidence: 0.835174913076923
00:18:30.488 --> 00:18:32.018 I'm the clinical social worker
NOTE Confidence: 0.835174913076923
00:18:32.018 --> 00:18:33.880 with the thoracic oncology team.
NOTE Confidence: 0.835174913076923
00:18:33.880 --> 00:18:36.099 I work with both medical oncology and
NOTE Confidence: 0.835174913076923

00:18:36.099 --> 00:18:38.270 surgery in the outpatient setting.
NOTE Confidence: 0.835174913076923

00:18:38.270 --> 00:18:40.601 Arpal Menology team any of our patients
NOTE Confidence: 0.835174913076923

00:18:40.601 --> 00:18:42.720 that come through thoracic oncology?
NOTE Confidence: 0.890460565

00:18:45.720 --> 00:18:46.490 Jennifer Pope
NOTE Confidence: 0.5999736

00:18:48.890 --> 00:18:50.810 hi, my name is Jennifer Pope.
NOTE Confidence: 0.877239629

00:18:50.810 --> 00:18:53.642 I'm the clinical trials team manager
NOTE Confidence: 0.877239629

00:18:53.642 --> 00:18:56.650 for the thoracic oncology group,
NOTE Confidence: 0.877239629

00:18:56.650 --> 00:18:58.484 so I work for the Cancer Center.
NOTE Confidence: 0.877239629

00:18:58.490 --> 00:19:00.340 In the Clinical Trials Office
NOTE Confidence: 0.877239629

00:19:00.340 --> 00:19:02.190 with a group of individuals
NOTE Confidence: 0.877239629

00:19:02.257 --> 00:19:04.009 who helped facilitate that.
NOTE Confidence: 0.877239629

00:19:04.010 --> 00:19:05.702 All of the clinical trials in
NOTE Confidence: 0.877239629

00:19:05.702 --> 00:19:06.860 the thoracic oncology group.
NOTE Confidence: 0.880547648333333

00:19:08.460 --> 00:19:11.160 Great, thank you. And Mike Connor.
NOTE Confidence: 0.6141560975

00:19:12.690 --> 00:19:14.726 I'm by telling your ram one
NOTE Confidence: 0.6141560975

00:19:14.726 --> 00:19:16.300 of the medical oncologists

NOTE Confidence: 0.80323891125

00:19:16.310 --> 00:19:17.845 stand in the Trumbull and

NOTE Confidence: 0.80323891125

00:19:17.845 --> 00:19:18.766 Fairfield Care centers.

NOTE Confidence: 0.765959366

00:19:19.130 --> 00:19:23.840 Come and I have a special interest and focus

NOTE Confidence: 0.851242066666667

00:19:23.850 --> 00:19:27.080 on thoracic malignancies and feel

NOTE Confidence: 0.876985

00:19:27.090 --> 00:19:29.140 very lucky to be able to lean on

NOTE Confidence: 0.876985

00:19:29.140 --> 00:19:31.009 Sarah and Doctor Herbst and Doctor

NOTE Confidence: 0.876985

00:19:31.009 --> 00:19:32.574 Dettinger and Doctor Boffa whenever

NOTE Confidence: 0.76643831

00:19:32.590 --> 00:19:33.340 I have questions.

NOTE Confidence: 0.93978537

00:19:35.900 --> 00:19:36.580 And Henry.

NOTE Confidence: 0.86405298

00:19:39.080 --> 00:19:40.480 Hi everybody, I'm Henry park. I'm a

NOTE Confidence: 0.729287823

00:19:40.490 --> 00:19:42.450 radiation oncologist and then the

NOTE Confidence: 0.729287823

00:19:42.450 --> 00:19:44.410 chief of thoracic radius dumb.

NOTE Confidence: 0.729287823

00:19:44.410 --> 00:19:46.480 I'm sorry, sorry I'm the

NOTE Confidence: 0.729287823

00:19:46.480 --> 00:19:47.320 chief of thoracic radiation.

NOTE Confidence: 0.729287823

00:19:47.320 --> 00:19:50.195 IO at Yale and I I work out of New

NOTE Confidence: 0.729287823

00:19:50.195 --> 00:19:51.893 Haven and in Waterford as well.
NOTE Confidence: 0.827835351428572

00:19:52.970 --> 00:19:55.934 And we had an do explaining
NOTE Confidence: 0.827835351428572

00:19:55.934 --> 00:19:57.060 radiation. Excellence.
NOTE Confidence: 0.891143158461538

00:19:59.170 --> 00:20:00.170 Great, OK, so wonderful.
NOTE Confidence: 0.891143158461538

00:20:00.170 --> 00:20:02.569 So thank you again to all of our panelists.
NOTE Confidence: 0.891143158461538

00:20:02.570 --> 00:20:04.706 It's a it's always fun to get together.
NOTE Confidence: 0.891143158461538

00:20:04.710 --> 00:20:06.762 It's too bad we couldn't all be in person,
NOTE Confidence: 0.891143158461538

00:20:06.770 --> 00:20:08.778 but it's it's wonderful to see you all.
NOTE Confidence: 0.891143158461538

00:20:08.780 --> 00:20:10.444 Thanks again for joining.
NOTE Confidence: 0.891143158461538

00:20:10.444 --> 00:20:12.940 So we have some great questions
NOTE Confidence: 0.891143158461538

00:20:13.013 --> 00:20:14.981 in the chat and let's get
NOTE Confidence: 0.891143158461538

00:20:14.981 --> 00:20:17.200 started on on the first one.
NOTE Confidence: 0.891143158461538

00:20:17.200 --> 00:20:18.370 So let's see.
NOTE Confidence: 0.891143158461538

00:20:18.370 --> 00:20:20.290 I'm Jennifer Possick Dr plastic.
NOTE Confidence: 0.891143158461538

00:20:20.290 --> 00:20:21.984 I'm going to ask you this question
NOTE Confidence: 0.891143158461538

00:20:21.984 --> 00:20:24.430 first so John Anderson is asking.

NOTE Confidence: 0.891143158461538
00:20:24.430 --> 00:20:26.146 He says his lung cancer showed
NOTE Confidence: 0.891143158461538
00:20:26.146 --> 00:20:28.010 up 39 years after he stopped.
NOTE Confidence: 0.891143158461538
00:20:28.010 --> 00:20:29.786 I assume he means stop smoking.
NOTE Confidence: 0.891143158461538
00:20:29.790 --> 00:20:31.610 Is there a relationship there?
NOTE Confidence: 0.923443758
00:20:33.020 --> 00:20:35.936 So I think one of the things that highlights
NOTE Confidence: 0.923443758
00:20:35.936 --> 00:20:38.477 is that all cancers are different.
NOTE Confidence: 0.923443758
00:20:38.480 --> 00:20:42.544 You know, we, we know from screening and
NOTE Confidence: 0.923443758
00:20:42.544 --> 00:20:46.054 also just from observing the clinical path
NOTE Confidence: 0.923443758
00:20:46.054 --> 00:20:48.310 that our patients go on that you know,
NOTE Confidence: 0.923443758
00:20:48.310 --> 00:20:51.026 some cancers grow quickly, others grow slow.
NOTE Confidence: 0.923443758
00:20:51.030 --> 00:20:53.795 We also know that those cigarette smoking
NOTE Confidence: 0.923443758
00:20:53.795 --> 00:20:56.959 is of course the exposure and risk factor
NOTE Confidence: 0.923443758
00:20:56.959 --> 00:21:00.039 for lung cancer that is most prominent,
NOTE Confidence: 0.923443758
00:21:00.040 --> 00:21:01.725 most common in that we're
NOTE Confidence: 0.923443758
00:21:01.725 --> 00:21:02.736 most concerned about.
NOTE Confidence: 0.923443758

00:21:02.740 --> 00:21:04.510 There are many other reasons.
NOTE Confidence: 0.923443758

00:21:04.510 --> 00:21:06.250 White people develop lung cancer.
NOTE Confidence: 0.923443758

00:21:06.250 --> 00:21:08.098 There are other exposure risk factors
NOTE Confidence: 0.923443758

00:21:08.098 --> 00:21:10.110 and there are plenty of people for
NOTE Confidence: 0.923443758

00:21:10.110 --> 00:21:12.102 whom we never identify at risk,
NOTE Confidence: 0.923443758

00:21:12.102 --> 00:21:14.646 and I think as Dan highlighted,
NOTE Confidence: 0.923443758

00:21:14.650 --> 00:21:16.793 you know there are there are many
NOTE Confidence: 0.923443758

00:21:16.793 --> 00:21:18.491 patients who develop lung cancer who
NOTE Confidence: 0.923443758

00:21:18.491 --> 00:21:20.313 aren't smokers and who don't have
NOTE Confidence: 0.923443758

00:21:20.313 --> 00:21:21.764 significant secondhand smoke exposure.
NOTE Confidence: 0.923443758

00:21:21.764 --> 00:21:24.802 So similarly there are people who can
NOTE Confidence: 0.923443758

00:21:24.802 --> 00:21:27.509 have personal histories of smoking that's
NOTE Confidence: 0.923443758

00:21:27.509 --> 00:21:30.155 fairly limited or fairly long ago,
NOTE Confidence: 0.923443758

00:21:30.160 --> 00:21:34.640 but do do still go on to develop.
NOTE Confidence: 0.923443758

00:21:34.640 --> 00:21:37.832 Develop cancers that we treat you know.
NOTE Confidence: 0.923443758

00:21:37.832 --> 00:21:38.614 Of course,

NOTE Confidence: 0.923443758

00:21:38.614 --> 00:21:40.960 the guidelines for screening are developed

NOTE Confidence: 0.923443758

00:21:41.024 --> 00:21:43.298 around trying to set parameters that

NOTE Confidence: 0.923443758

00:21:43.298 --> 00:21:45.460 catch the majority of people right,

NOTE Confidence: 0.923443758

00:21:45.460 --> 00:21:47.335 and they're driven by experience

NOTE Confidence: 0.923443758

00:21:47.335 --> 00:21:48.835 and large clinical trials,

NOTE Confidence: 0.923443758

00:21:48.840 --> 00:21:50.530 but they won't catch everything,

NOTE Confidence: 0.923443758

00:21:50.530 --> 00:21:53.714 and so we have to be vigilant to pick

NOTE Confidence: 0.923443758

00:21:53.714 --> 00:21:55.690 those up in other ways other than just.

NOTE Confidence: 0.897369403333333

00:21:58.520 --> 00:22:01.985 Great, thank you. We see that a lot

NOTE Confidence: 0.897369403333333

00:22:01.985 --> 00:22:03.660 where people smoked a long time ago,

NOTE Confidence: 0.897369403333333

00:22:03.660 --> 00:22:06.692 and it's always a question if it's related

NOTE Confidence: 0.897369403333333

00:22:06.692 --> 00:22:10.218 or if it's just sometimes happens right?

NOTE Confidence: 0.897369403333333

00:22:10.220 --> 00:22:12.390 OK, amazing questions and great

NOTE Confidence: 0.897369403333333

00:22:12.390 --> 00:22:15.190 great group here who are really,

NOTE Confidence: 0.897369403333333

00:22:15.190 --> 00:22:18.100 really engaged, which is wonderful.

NOTE Confidence: 0.897369403333333

00:22:18.100 --> 00:22:20.508 So Roy, I'm going to ask you this
NOTE Confidence: 0.8973694033333333

00:22:20.508 --> 00:22:22.665 question so Peter Dubner is asking how
NOTE Confidence: 0.8973694033333333

00:22:22.665 --> 00:22:25.708 common today is the use of some form of
NOTE Confidence: 0.8973694033333333

00:22:25.708 --> 00:22:27.838 chemotherapy for early stage lung cancer.
NOTE Confidence: 0.8973694033333333

00:22:27.840 --> 00:22:30.270 In addition to surgery and SBRT,
NOTE Confidence: 0.8973694033333333

00:22:30.270 --> 00:22:31.414 he's asking specifically for
NOTE Confidence: 0.8973694033333333

00:22:31.414 --> 00:22:32.558 the percent of cases.
NOTE Confidence: 0.8973694033333333

00:22:32.560 --> 00:22:33.838 If you can give a percent.
NOTE Confidence: 0.924067857368421

00:22:35.310 --> 00:22:37.464 Well, you know the the reason
NOTE Confidence: 0.924067857368421

00:22:37.464 --> 00:22:39.594 why we're making progress in lung
NOTE Confidence: 0.924067857368421

00:22:39.594 --> 00:22:41.778 cancer and we are still not enough,
NOTE Confidence: 0.924067857368421

00:22:41.780 --> 00:22:43.928 but we're continuing to raise bars
NOTE Confidence: 0.924067857368421

00:22:43.928 --> 00:22:46.850 because we work in a multi modality way.
NOTE Confidence: 0.924067857368421

00:22:46.850 --> 00:22:48.938 So if we have a lung cancer and
NOTE Confidence: 0.924067857368421

00:22:48.938 --> 00:22:51.305 even if it's early and even if you
NOTE Confidence: 0.924067857368421

00:22:51.305 --> 00:22:53.500 can be treated by Dan expertly as

NOTE Confidence: 0.924067857368421

00:22:53.500 --> 00:22:55.705 you heard or by Henry with with

NOTE Confidence: 0.924067857368421

00:22:55.710 --> 00:22:57.930 surgery and or Henry with radiation,

NOTE Confidence: 0.924067857368421

00:22:57.930 --> 00:22:59.982 we still worry that the cancer

NOTE Confidence: 0.924067857368421

00:22:59.982 --> 00:23:01.350 can spread or metastasize.

NOTE Confidence: 0.924067857368421

00:23:01.350 --> 00:23:03.990 And that's why we use chemotherapy.

NOTE Confidence: 0.924067857368421

00:23:03.990 --> 00:23:04.842 So chemotherapy.

NOTE Confidence: 0.924067857368421

00:23:04.842 --> 00:23:07.824 Definitely is a big part of our

NOTE Confidence: 0.924067857368421

00:23:07.824 --> 00:23:10.320 treatment plan and in early lung cancer

NOTE Confidence: 0.924067857368421

00:23:10.320 --> 00:23:12.310 would depend on the stage that's

NOTE Confidence: 0.924067857368421

00:23:12.310 --> 00:23:14.630 dependent on the size of the tumor and

NOTE Confidence: 0.924067857368421

00:23:14.630 --> 00:23:16.780 whether or not there are any lymph nodes.

NOTE Confidence: 0.924067857368421

00:23:16.780 --> 00:23:18.852 But in a large number of early lung

NOTE Confidence: 0.924067857368421

00:23:18.852 --> 00:23:20.807 cancers we are recommending chemotherapy

NOTE Confidence: 0.924067857368421

00:23:20.807 --> 00:23:23.092 has been demonstrated through large

NOTE Confidence: 0.924067857368421

00:23:23.092 --> 00:23:25.198 clinical trials to improve survival.

NOTE Confidence: 0.924067857368421

00:23:25.200 --> 00:23:26.766 The thing that's even more exciting
NOTE Confidence: 0.924067857368421

00:23:26.766 --> 00:23:29.205 is that now we know that some of
NOTE Confidence: 0.924067857368421

00:23:29.205 --> 00:23:30.875 these new targeted therapies and
NOTE Confidence: 0.924067857368421

00:23:30.875 --> 00:23:32.630 immunotherapy that doctor told us about.
NOTE Confidence: 0.924067857368421

00:23:32.630 --> 00:23:35.150 We now know that why wait with those until?
NOTE Confidence: 0.924067857368421

00:23:35.150 --> 00:23:36.642 The cancer has spread.
NOTE Confidence: 0.924067857368421

00:23:36.642 --> 00:23:39.614 We now have opportunities and a lot of
NOTE Confidence: 0.924067857368421

00:23:39.614 --> 00:23:41.931 that's come out of science from this
NOTE Confidence: 0.924067857368421

00:23:41.931 --> 00:23:45.350 team to give an oral drug a targeted
NOTE Confidence: 0.924067857368421

00:23:45.350 --> 00:23:48.240 therapy after surgery in specific patients.
NOTE Confidence: 0.924067857368421

00:23:48.240 --> 00:23:49.750 If they have the right.
NOTE Confidence: 0.924067857368421

00:23:49.750 --> 00:23:51.015 You know genetics in their
NOTE Confidence: 0.924067857368421

00:23:51.015 --> 00:23:52.630 tumor is Dan was talking about.
NOTE Confidence: 0.924067857368421

00:23:52.630 --> 00:23:54.766 Or we could even use immunotherapy.
NOTE Confidence: 0.924067857368421

00:23:54.770 --> 00:23:57.266 So it is important to do what's called
NOTE Confidence: 0.924067857368421

00:23:57.266 --> 00:23:59.448 agement therapy in the right circumstance.

NOTE Confidence: 0.924067857368421
00:23:59.450 --> 00:24:01.004 And that's why when you come to
NOTE Confidence: 0.924067857368421
00:24:01.004 --> 00:24:02.492 see us will discuss will discuss
NOTE Confidence: 0.924067857368421
00:24:02.492 --> 00:24:04.270 it on a call just like this.
NOTE Confidence: 0.924067857368421
00:24:04.270 --> 00:24:05.520 We call it tumor board.
NOTE Confidence: 0.924067857368421
00:24:05.520 --> 00:24:07.725 And will make the best decision to
NOTE Confidence: 0.924067857368421
00:24:07.725 --> 00:24:09.869 best inform and improve your care.
NOTE Confidence: 0.7481912
00:24:12.170 --> 00:24:14.610 Great, thank you.
NOTE Confidence: 0.928235228571428
00:24:14.610 --> 00:24:16.710 So there's a couple of questions about,
NOTE Confidence: 0.928235228571428
00:24:16.710 --> 00:24:20.830 UM, about different risk factors for
NOTE Confidence: 0.928235228571428
00:24:20.830 --> 00:24:22.940 cancer and one one person in particular.
NOTE Confidence: 0.928235228571428
00:24:22.940 --> 00:24:24.775 Mary Winchell is asking about
NOTE Confidence: 0.928235228571428
00:24:24.775 --> 00:24:26.610 carcinoid tumors and and and
NOTE Confidence: 0.928235228571428
00:24:26.677 --> 00:24:28.637 and different and risk factors.
NOTE Confidence: 0.928235228571428
00:24:28.640 --> 00:24:30.005 Specifically asking about burning in
NOTE Confidence: 0.928235228571428
00:24:30.005 --> 00:24:32.290 a wood stove. But this is a common.
NOTE Confidence: 0.928235228571428

00:24:32.290 --> 00:24:33.674 This is a common issue that comes up,
NOTE Confidence: 0.928235228571428

00:24:33.680 --> 00:24:35.842 you know, we know about smoking, but what?
NOTE Confidence: 0.928235228571428

00:24:35.842 --> 00:24:37.310 What are other risk factors
NOTE Confidence: 0.928235228571428

00:24:37.310 --> 00:24:38.785 for lung cancer or carcinoid?
NOTE Confidence: 0.928235228571428

00:24:38.790 --> 00:24:39.738 And do you want to do?
NOTE Confidence: 0.928235228571428

00:24:39.740 --> 00:24:40.640 You want to take that?
NOTE Confidence: 0.928235228571428

00:24:41.470 --> 00:24:44.660 Sure, so.
NOTE Confidence: 0.907980992352941

00:24:44.660 --> 00:24:46.599 There we we know that one out
NOTE Confidence: 0.907980992352941

00:24:46.599 --> 00:24:48.326 of seven lung cancers happens
NOTE Confidence: 0.907980992352941

00:24:48.326 --> 00:24:50.396 in somebody who never smoked.
NOTE Confidence: 0.907980992352941

00:24:50.400 --> 00:24:53.935 So there there is certainly a genetic
NOTE Confidence: 0.907980992352941

00:24:53.935 --> 00:24:57.487 component and and I talked about cancers
NOTE Confidence: 0.907980992352941

00:24:57.487 --> 00:25:00.881 and books of directions and so that
NOTE Confidence: 0.907980992352941

00:25:00.881 --> 00:25:04.178 can affect when a cancer that error,
NOTE Confidence: 0.907980992352941

00:25:04.180 --> 00:25:08.408 that happens when one cell becomes 2.
NOTE Confidence: 0.907980992352941

00:25:08.410 --> 00:25:10.530 Can actually trigger the cancer.

NOTE Confidence: 0.907980992352941

00:25:10.530 --> 00:25:14.877 Also those errors can come about because

NOTE Confidence: 0.907980992352941

00:25:14.880 --> 00:25:17.284 chemicals or exposures radiation,

NOTE Confidence: 0.907980992352941

00:25:17.284 --> 00:25:20.289 not the kind Henry gives,

NOTE Confidence: 0.907980992352941

00:25:20.290 --> 00:25:23.026 but from the sun or from other sources

NOTE Confidence: 0.907980992352941

00:25:23.026 --> 00:25:25.612 they can damage the book of directions

NOTE Confidence: 0.907980992352941

00:25:25.612 --> 00:25:28.676 and so if it damages it in a way

NOTE Confidence: 0.907980992352941

00:25:28.676 --> 00:25:30.832 that it makes a mistake that causes

NOTE Confidence: 0.907980992352941

00:25:30.832 --> 00:25:33.646 the cell to lose control of itself,

NOTE Confidence: 0.907980992352941

00:25:33.650 --> 00:25:36.442 then then a cancer can develop and so

NOTE Confidence: 0.907980992352941

00:25:36.442 --> 00:25:39.370 there are a number of things that that.

NOTE Confidence: 0.907980992352941

00:25:39.370 --> 00:25:41.134 They're called carcinogens and

NOTE Confidence: 0.907980992352941

00:25:41.134 --> 00:25:43.339 exposures that increase the risk

NOTE Confidence: 0.907980992352941

00:25:43.339 --> 00:25:45.520 of these mistakes happening.

NOTE Confidence: 0.907980992352941

00:25:45.520 --> 00:25:49.579 Radon is one that we hear a lot about.

NOTE Confidence: 0.907980992352941

00:25:49.580 --> 00:25:52.128 Arsenic actually is one,

NOTE Confidence: 0.907980992352941

00:25:52.128 --> 00:25:55.950 but there are family histories where
NOTE Confidence: 0.907980992352941

00:25:55.950 --> 00:25:58.950 either they you you start with a book
NOTE Confidence: 0.907980992352941

00:25:58.950 --> 00:26:01.618 of directions that's kind of primed for
NOTE Confidence: 0.907980992352941

00:26:01.618 --> 00:26:04.562 a mistake to happen or your your every
NOTE Confidence: 0.907980992352941

00:26:04.562 --> 00:26:07.530 cell has an ability to correct mistakes.
NOTE Confidence: 0.907980992352941

00:26:07.530 --> 00:26:09.498 Kind of a proofreading.
NOTE Confidence: 0.907980992352941

00:26:09.498 --> 00:26:13.103 Mechanism there are families that that have
NOTE Confidence: 0.907980992352941

00:26:13.103 --> 00:26:15.948 faulty or less effective proofreading,
NOTE Confidence: 0.907980992352941

00:26:15.950 --> 00:26:17.504 and so they just make more mistakes.
NOTE Confidence: 0.907980992352941

00:26:17.510 --> 00:26:22.816 So I think John had asked about.
NOTE Confidence: 0.907980992352941

00:26:22.820 --> 00:26:25.010 About skin cancer and so this
NOTE Confidence: 0.907980992352941

00:26:25.010 --> 00:26:27.241 is what's shocking is that the
NOTE Confidence: 0.907980992352941

00:26:27.241 --> 00:26:29.691 number of mistakes in the body is
NOTE Confidence: 0.907980992352941

00:26:29.691 --> 00:26:31.979 really good at protecting itself.
NOTE Confidence: 0.907980992352941

00:26:31.980 --> 00:26:33.450 So it's not just one mistake.
NOTE Confidence: 0.907980992352941

00:26:33.450 --> 00:26:35.934 Usually usually have a bunch of

NOTE Confidence: 0.907980992352941

00:26:35.934 --> 00:26:39.055 changes in your book of directions or

NOTE Confidence: 0.907980992352941

00:26:39.055 --> 00:26:41.815 your DNA before it cancer develops,

NOTE Confidence: 0.907980992352941

00:26:41.820 --> 00:26:44.492 and you can tolerate a whole bunch of

NOTE Confidence: 0.907980992352941

00:26:44.492 --> 00:26:47.378 these before it actually turns into a cancer.

NOTE Confidence: 0.907980992352941

00:26:47.380 --> 00:26:49.942 But what's shocking is in order for

NOTE Confidence: 0.907980992352941

00:26:49.942 --> 00:26:52.726 one cell to become a cancer, actually.

NOTE Confidence: 0.907980992352941

00:26:52.726 --> 00:26:54.862 All of those mistakes probably have

NOTE Confidence: 0.907980992352941

00:26:54.862 --> 00:26:56.470 happened in millions of cells.

NOTE Confidence: 0.907980992352941

00:26:56.470 --> 00:26:58.852 It's actually a miracle that people

NOTE Confidence: 0.907980992352941

00:26:58.852 --> 00:27:01.349 don't get hundreds of cancers and,

NOTE Confidence: 0.907980992352941

00:27:01.350 --> 00:27:02.870 and you probably cancers probably

NOTE Confidence: 0.907980992352941

00:27:02.870 --> 00:27:05.088 develop all the time in your body

NOTE Confidence: 0.907980992352941

00:27:05.088 --> 00:27:06.048 does eliminate them.

NOTE Confidence: 0.907980992352941

00:27:06.050 --> 00:27:10.554 So it turns out that about 25% of people

NOTE Confidence: 0.907980992352941

00:27:10.554 --> 00:27:13.062 that have lung cancer have already

NOTE Confidence: 0.907980992352941

00:27:13.062 --> 00:27:15.438 had another cancer in their lifetime,
NOTE Confidence: 0.907980992352941

00:27:15.440 --> 00:27:19.265 and there is a real risk of a subsequent
NOTE Confidence: 0.907980992352941

00:27:19.265 --> 00:27:20.814 cancer after having lung cancer.
NOTE Confidence: 0.907980992352941

00:27:20.814 --> 00:27:22.854 And so the more the more things
NOTE Confidence: 0.907980992352941

00:27:22.854 --> 00:27:23.739 we can screen.
NOTE Confidence: 0.907980992352941

00:27:23.740 --> 00:27:26.125 For the more diligent you
NOTE Confidence: 0.907980992352941

00:27:26.125 --> 00:27:28.510 are about looking for things.
NOTE Confidence: 0.907980992352941

00:27:28.510 --> 00:27:31.422 The more likely you are to find something
NOTE Confidence: 0.907980992352941

00:27:31.422 --> 00:27:34.307 that is in a in a curable stage now,
NOTE Confidence: 0.907980992352941

00:27:34.310 --> 00:27:35.200 the carcinoid.
NOTE Confidence: 0.907980992352941

00:27:35.200 --> 00:27:37.870 That's one where there really is.
NOTE Confidence: 0.907980992352941

00:27:37.870 --> 00:27:40.860 I'm not aware of Carcinoids
NOTE Confidence: 0.907980992352941

00:27:40.860 --> 00:27:42.654 linked to smoking.
NOTE Confidence: 0.907980992352941

00:27:42.660 --> 00:27:44.220 That's one that we think is.
NOTE Confidence: 0.907980992352941

00:27:44.220 --> 00:27:46.252 It's something that develops
NOTE Confidence: 0.907980992352941

00:27:46.252 --> 00:27:48.284 in non smoking cancers,

NOTE Confidence: 0.907980992352941

00:27:48.290 --> 00:27:49.910 but it's and there was the

NOTE Confidence: 0.907980992352941

00:27:49.910 --> 00:27:51.270 question about 39 years ago.

NOTE Confidence: 0.907980992352941

00:27:51.270 --> 00:27:54.566 Just so you know that that anytime you

NOTE Confidence: 0.907980992352941

00:27:54.566 --> 00:27:56.874 stop smoking you make yourself live

NOTE Confidence: 0.907980992352941

00:27:56.874 --> 00:28:00.239 longer so the smoking is a horrible idea.

NOTE Confidence: 0.907980992352941

00:28:00.240 --> 00:28:01.460 For a lot of reasons,

NOTE Confidence: 0.907980992352941

00:28:01.460 --> 00:28:03.644 lung cancer is one of those reasons,

NOTE Confidence: 0.907980992352941

00:28:03.650 --> 00:28:06.212 but the people on average smokers live

NOTE Confidence: 0.907980992352941

00:28:06.212 --> 00:28:09.110 about 12 years shorter than non smokers.

NOTE Confidence: 0.907980992352941

00:28:09.110 --> 00:28:10.480 And it's not the lung.

NOTE Confidence: 0.912422896

00:28:10.480 --> 00:28:11.964 Cancer is the most common way you

NOTE Confidence: 0.912422896

00:28:11.964 --> 00:28:13.900 get into trouble, it's emphysema.

NOTE Confidence: 0.912422896

00:28:13.900 --> 00:28:15.850 It's other cancers.

NOTE Confidence: 0.912422896

00:28:15.850 --> 00:28:18.286 So by stopping 39 years ago you

NOTE Confidence: 0.912422896

00:28:18.286 --> 00:28:20.577 you made your you have made

NOTE Confidence: 0.912422896

00:28:20.577 --> 00:28:22.899 yourself lived longer so it wasn't
NOTE Confidence: 0.912422896

00:28:22.899 --> 00:28:26.640 a wasted thing but the the lung
NOTE Confidence: 0.912422896

00:28:26.640 --> 00:28:28.980 cancer probably developed because.
NOTE Confidence: 0.912422896

00:28:28.980 --> 00:28:31.732 Some of the changes to the DNA happened
NOTE Confidence: 0.912422896

00:28:31.732 --> 00:28:34.549 and overtime additional changes accumulated,
NOTE Confidence: 0.912422896

00:28:34.550 --> 00:28:36.370 and then it finally got to the
NOTE Confidence: 0.912422896

00:28:36.370 --> 00:28:38.075 point that there were enough changes
NOTE Confidence: 0.912422896

00:28:38.075 --> 00:28:39.803 in the Book of Directions that
NOTE Confidence: 0.912422896

00:28:39.803 --> 00:28:41.368 a cancer cell developed.
NOTE Confidence: 0.912422896

00:28:41.370 --> 00:28:43.530 That was a really short answer,
NOTE Confidence: 0.912422896

00:28:43.530 --> 00:28:46.230 very thorough.
NOTE Confidence: 0.9076731675

00:28:46.230 --> 00:28:48.758 OK Henry, I'm gonna ask you a question.
NOTE Confidence: 0.9076731675

00:28:48.760 --> 00:28:50.391 You know. I think this this comes
NOTE Confidence: 0.9076731675

00:28:50.391 --> 00:28:51.960 up a lot and it's something
NOTE Confidence: 0.9076731675

00:28:51.960 --> 00:28:53.586 we all discuss as a team.
NOTE Confidence: 0.9076731675

00:28:53.590 --> 00:28:57.020 How do how does a patient know

NOTE Confidence: 0.9076731675

00:28:57.020 --> 00:28:59.545 whether they should be thinking

NOTE Confidence: 0.9076731675

00:28:59.545 --> 00:29:01.565 about surgery or radiation?

NOTE Confidence: 0.9076731675

00:29:01.570 --> 00:29:03.730 And does every patient with lung

NOTE Confidence: 0.9076731675

00:29:03.730 --> 00:29:06.402 cancer need to meet with with all

NOTE Confidence: 0.9076731675

00:29:06.402 --> 00:29:07.563 different different specialties

NOTE Confidence: 0.9076731675

00:29:07.563 --> 00:29:09.950 or or is 1 sufficient?

NOTE Confidence: 0.9076731675

00:29:09.950 --> 00:29:10.790 Well, I think it really depends

NOTE Confidence: 0.810646467857143

00:29:10.800 --> 00:29:13.488 on the stage of the patient that the

NOTE Confidence: 0.810646467857143

00:29:13.488 --> 00:29:15.587 other countries that the patient has.

NOTE Confidence: 0.810646467857143

00:29:15.590 --> 00:29:17.258 So it's for early stage cancers

NOTE Confidence: 0.810646467857143

00:29:17.258 --> 00:29:19.370 like we talked about a lot of times

NOTE Confidence: 0.810646467857143

00:29:19.370 --> 00:29:21.270 surgery or SBRT are very good options,

NOTE Confidence: 0.810646467857143

00:29:21.270 --> 00:29:24.285 and for some people to have to have something

NOTE Confidence: 0.810646467857143

00:29:24.285 --> 00:29:26.276 called ablation as well, like that,

NOTE Confidence: 0.810646467857143

00:29:26.276 --> 00:29:28.012 like like we heard from Dan earlier.

NOTE Confidence: 0.810646467857143

00:29:28.020 --> 00:29:29.916 I think it really depends on
NOTE Confidence: 0.810646467857143

00:29:29.916 --> 00:29:31.650 your overall your overall health
NOTE Confidence: 0.810646467857143

00:29:31.650 --> 00:29:33.286 or other medical conditions.
NOTE Confidence: 0.810646467857143

00:29:33.290 --> 00:29:35.492 You have your ability to undergo
NOTE Confidence: 0.810646467857143

00:29:35.492 --> 00:29:38.309 surgery and and and and you're you're.
NOTE Confidence: 0.810646467857143

00:29:38.310 --> 00:29:40.508 You're also your goals of care generally.
NOTE Confidence: 0.810646467857143

00:29:40.510 --> 00:29:42.643 In terms of if you even want to undergo
NOTE Confidence: 0.810646467857143

00:29:42.643 --> 00:29:44.782 surgery and really want to have this
NOTE Confidence: 0.810646467857143

00:29:44.782 --> 00:29:46.569 removed versus undergo something like SBRT,
NOTE Confidence: 0.810646467857143

00:29:46.570 --> 00:29:49.978 which is not invasive and and and we're
NOTE Confidence: 0.810646467857143

00:29:49.978 --> 00:29:53.740 able to treat on sorry lights went out.
NOTE Confidence: 0.810646467857143

00:29:53.740 --> 00:29:56.040 Thank you, still see me.
NOTE Confidence: 0.810646467857143

00:29:56.040 --> 00:29:57.033 So we can,
NOTE Confidence: 0.810646467857143

00:29:57.033 --> 00:29:59.740 so I think it's very helpful for most
NOTE Confidence: 0.810646467857143

00:29:59.740 --> 00:30:01.676 of a lot of patients with early stage
NOTE Confidence: 0.810646467857143

00:30:01.676 --> 00:30:03.565 lung cancers to meet with both the

NOTE Confidence: 0.810646467857143

00:30:03.565 --> 00:30:05.217 surgeon and a radiation oncologist to

NOTE Confidence: 0.810646467857143

00:30:05.217 --> 00:30:06.946 discuss their options and see you know

NOTE Confidence: 0.810646467857143

00:30:06.946 --> 00:30:09.580 where you know the your overall goals,

NOTE Confidence: 0.810646467857143

00:30:09.580 --> 00:30:10.270 align the best,

NOTE Confidence: 0.810646467857143

00:30:10.270 --> 00:30:12.159 and we work very well together as a

NOTE Confidence: 0.810646467857143

00:30:12.159 --> 00:30:13.734 team here to to really discuss things

NOTE Confidence: 0.810646467857143

00:30:13.734 --> 00:30:15.596 at tumor board and with each other over

NOTE Confidence: 0.810646467857143

00:30:15.596 --> 00:30:17.484 the phone as well as with each patient.

NOTE Confidence: 0.810646467857143

00:30:17.484 --> 00:30:19.280 To really make sure that you're really

NOTE Confidence: 0.810646467857143

00:30:19.280 --> 00:30:21.770 aligns well for stage three lung cancers

NOTE Confidence: 0.810646467857143

00:30:21.770 --> 00:30:23.954 or even stage two lung cancers where

NOTE Confidence: 0.810646467857143

00:30:23.954 --> 00:30:26.630 we are not always using surgery for.

NOTE Confidence: 0.810646467857143

00:30:26.630 --> 00:30:27.078 For some,

NOTE Confidence: 0.810646467857143

00:30:27.078 --> 00:30:28.422 for certain patients who may not

NOTE Confidence: 0.810646467857143

00:30:28.422 --> 00:30:30.057 be the best candidates for them,

NOTE Confidence: 0.810646467857143

00:30:30.060 --> 00:30:34.127 we often use we often use radiation.
NOTE Confidence: 0.810646467857143

00:30:34.130 --> 00:30:35.529 It's a tough man,
NOTE Confidence: 0.810646467857143

00:30:35.529 --> 00:30:36.648 conjunction with chemotherapy
NOTE Confidence: 0.810646467857143

00:30:36.650 --> 00:30:37.934 or just radiation alone.
NOTE Confidence: 0.810646467857143

00:30:37.934 --> 00:30:39.866 The help of those patients too.
NOTE Confidence: 0.810646467857143

00:30:39.870 --> 00:30:41.742 So and then also for stage
NOTE Confidence: 0.810646467857143

00:30:41.742 --> 00:30:42.990 four patients we like,
NOTE Confidence: 0.810646467857143

00:30:42.990 --> 00:30:43.970 we heard from Daniel ER,
NOTE Confidence: 0.810646467857143

00:30:43.970 --> 00:30:46.903 we often treat them or be treat
NOTE Confidence: 0.810646467857143

00:30:46.903 --> 00:30:50.261 certain areas like you know with local
NOTE Confidence: 0.810646467857143

00:30:50.261 --> 00:30:52.776 therapy like surgery or radiation.
NOTE Confidence: 0.810646467857143

00:30:52.780 --> 00:30:53.622 With men,
NOTE Confidence: 0.810646467857143

00:30:53.622 --> 00:30:55.727 it's often in conjunction with
NOTE Confidence: 0.810646467857143

00:30:55.727 --> 00:30:56.990 chemotherapy or immunotherapy,
NOTE Confidence: 0.810646467857143

00:30:56.990 --> 00:30:58.433 or targeted therapy,
NOTE Confidence: 0.810646467857143

00:30:58.433 --> 00:31:01.650 to help out as many patients as possible.

NOTE Confidence: 0.810646467857143

00:31:01.650 --> 00:31:03.882 So I think I'm often involved in the

NOTE Confidence: 0.810646467857143

00:31:03.882 --> 00:31:06.279 care of patients from of all stages,

NOTE Confidence: 0.810646467857143

00:31:06.280 --> 00:31:07.880 with all sorts of conditions,

NOTE Confidence: 0.810646467857143

00:31:07.880 --> 00:31:09.889 and I work very closely with the

NOTE Confidence: 0.810646467857143

00:31:09.889 --> 00:31:11.313 medical oncologists and the surgeons

NOTE Confidence: 0.810646467857143

00:31:11.313 --> 00:31:13.321 to really find where we fit in best.

NOTE Confidence: 0.924232374166667

00:31:14.610 --> 00:31:16.066 And you want to take this last

NOTE Confidence: 0.924232374166667

00:31:16.066 --> 00:31:17.553 question that was just posted 20.

NOTE Confidence: 0.924232374166667

00:31:17.553 --> 00:31:18.692 Maybe the second last,

NOTE Confidence: 0.924232374166667

00:31:18.692 --> 00:31:20.306 I guess now, which is related

NOTE Confidence: 0.924232374166667

00:31:20.306 --> 00:31:21.816 to what you're talking about,

NOTE Confidence: 0.924232374166667

00:31:21.820 --> 00:31:23.755 but I think again this comes up a lot.

NOTE Confidence: 0.924232374166667

00:31:23.760 --> 00:31:26.238 Why not give radiation even to

NOTE Confidence: 0.924232374166667

00:31:26.238 --> 00:31:28.600 people with stage four disease?

NOTE Confidence: 0.924232374166667

00:31:28.600 --> 00:31:29.750 So we sometimes do give

NOTE Confidence: 0.7066986075

00:31:29.760 --> 00:31:30.720 Falcon radiation for patients
NOTE Confidence: 0.7066986075

00:31:30.720 --> 00:31:31.680 with stage four disease,
NOTE Confidence: 0.7066986075

00:31:31.680 --> 00:31:34.590 especially if there if there aren't
NOTE Confidence: 0.7066986075

00:31:34.590 --> 00:31:37.012 too many areas that are that are
NOTE Confidence: 0.7066986075

00:31:37.012 --> 00:31:38.677 spread beyond the Chester beyond
NOTE Confidence: 0.7066986075

00:31:38.677 --> 00:31:40.682 the the the either the primary
NOTE Confidence: 0.7066986075

00:31:40.682 --> 00:31:42.660 lung cancer where it came from,
NOTE Confidence: 0.7066986075

00:31:42.660 --> 00:31:43.588 or the lymph nodes.
NOTE Confidence: 0.7066986075

00:31:43.588 --> 00:31:45.222 Sometimes it goes to the brain or
NOTE Confidence: 0.7066986075

00:31:45.222 --> 00:31:46.742 it goes to other the other part of
NOTE Confidence: 0.7066986075

00:31:46.742 --> 00:31:48.253 the lung or the I mean the other
NOTE Confidence: 0.7066986075

00:31:48.253 --> 00:31:49.780 lung or or other organs in the body.
NOTE Confidence: 0.7066986075

00:31:49.780 --> 00:31:51.440 And if there's only a few number,
NOTE Confidence: 0.7066986075

00:31:51.440 --> 00:31:52.742 then we're often able to give
NOTE Confidence: 0.7066986075

00:31:52.742 --> 00:31:54.572 radiation to all of those sites,
NOTE Confidence: 0.7066986075

00:31:54.572 --> 00:31:56.424 but we can't sometimes treat

NOTE Confidence: 0.7066986075

00:31:56.424 --> 00:31:58.680 every single spot if there's many,

NOTE Confidence: 0.7066986075

00:31:58.680 --> 00:31:59.676 there's many areas.

NOTE Confidence: 0.7066986075

00:31:59.676 --> 00:32:01.004 Because it's the the,

NOTE Confidence: 0.7066986075

00:32:01.010 --> 00:32:03.186 the side effects go up for every site

NOTE Confidence: 0.7066986075

00:32:03.186 --> 00:32:05.844 that we treat in the larger areas as well.

NOTE Confidence: 0.7066986075

00:32:05.850 --> 00:32:08.882 So it really depends a lot on each

NOTE Confidence: 0.7066986075

00:32:08.882 --> 00:32:10.467 individual patient and as well

NOTE Confidence: 0.7066986075

00:32:10.467 --> 00:32:12.065 as the overall burden of disease

NOTE Confidence: 0.7066986075

00:32:12.065 --> 00:32:13.883 that they have in terms of how

NOTE Confidence: 0.7066986075

00:32:13.883 --> 00:32:15.315 much we can safely treat.

NOTE Confidence: 0.7066986075

00:32:15.315 --> 00:32:17.200 But that's a conversation we have.

NOTE Confidence: 0.7066986075

00:32:17.200 --> 00:32:18.766 I mean often at the beginning,

NOTE Confidence: 0.7066986075

00:32:18.770 --> 00:32:20.891 but we we will often start with

NOTE Confidence: 0.7066986075

00:32:20.891 --> 00:32:22.355 systemic therapy first to make

NOTE Confidence: 0.7066986075

00:32:22.355 --> 00:32:24.084 sure that you have a drug that

NOTE Confidence: 0.7066986075

00:32:24.084 --> 00:32:25.570 works well for you overall.
NOTE Confidence: 0.7066986075

00:32:25.570 --> 00:32:27.658 And then if things are working well then we
NOTE Confidence: 0.7066986075

00:32:27.658 --> 00:32:29.770 can consider what's called consolidation,
NOTE Confidence: 0.7066986075

00:32:29.770 --> 00:32:30.392 meaning that.
NOTE Confidence: 0.7066986075

00:32:30.392 --> 00:32:32.569 You treat all the sites of disease
NOTE Confidence: 0.7066986075

00:32:32.569 --> 00:32:34.562 that they that you have at the
NOTE Confidence: 0.7066986075

00:32:34.562 --> 00:32:36.100 beginning or we save radiation
NOTE Confidence: 0.7066986075

00:32:36.100 --> 00:32:38.194 for if everything is stable for a
NOTE Confidence: 0.7066986075

00:32:38.194 --> 00:32:39.910 long time and then something just
NOTE Confidence: 0.7066986075

00:32:39.910 --> 00:32:42.309 a few spots grow or then we may
NOTE Confidence: 0.7066986075

00:32:42.309 --> 00:32:44.269 be able to have some benefit with
NOTE Confidence: 0.7066986075

00:32:44.332 --> 00:32:46.507 using radiation for those patients.
NOTE Confidence: 0.902976736666667

00:32:48.550 --> 00:32:51.960 Great thanks, complicated Mike.
NOTE Confidence: 0.902976736666667

00:32:51.960 --> 00:32:54.120 I'm going to ask you a question and then
NOTE Confidence: 0.902976736666667

00:32:54.181 --> 00:32:56.155 I think will will close this portion
NOTE Confidence: 0.902976736666667

00:32:56.155 --> 00:32:58.212 of the discussion and I'll I'll give

NOTE Confidence: 0.902976736666667
00:32:58.212 --> 00:32:59.940 a few words about clinical research,
NOTE Confidence: 0.902976736666667
00:32:59.940 --> 00:33:01.710 clinical trials and research and
NOTE Confidence: 0.902976736666667
00:33:01.710 --> 00:33:03.480 will take some more questions.
NOTE Confidence: 0.902976736666667
00:33:03.480 --> 00:33:06.366 So the question for you is
NOTE Confidence: 0.902976736666667
00:33:06.366 --> 00:33:07.930 is about lung nodules.
NOTE Confidence: 0.902976736666667
00:33:07.930 --> 00:33:10.450 So this is something that as as
NOTE Confidence: 0.902976736666667
00:33:10.525 --> 00:33:12.823 a thoracic oncologist we we often
NOTE Confidence: 0.902976736666667
00:33:12.823 --> 00:33:16.771 have to address someone is asking
NOTE Confidence: 0.902976736666667
00:33:16.771 --> 00:33:18.556 about they have lung nodules.
NOTE Confidence: 0.902976736666667
00:33:18.560 --> 00:33:21.824 One is 6 millimeters, one is 3 millimeters.
NOTE Confidence: 0.902976736666667
00:33:21.830 --> 00:33:23.705 Would those nodules require study
NOTE Confidence: 0.902976736666667
00:33:23.705 --> 00:33:26.430 for cancer or do we just watch?
NOTE Confidence: 0.902976736666667
00:33:26.430 --> 00:33:28.278 Especially I guess in this in
NOTE Confidence: 0.902976736666667
00:33:28.278 --> 00:33:29.454 this patient's history there's a
NOTE Confidence: 0.902976736666667
00:33:29.454 --> 00:33:30.750 history of head and neck cancer.
NOTE Confidence: 0.902976736666667

00:33:30.750 --> 00:33:32.390 So what do we do with lung nodules?
NOTE Confidence: 0.902976736666667

00:33:32.390 --> 00:33:33.080 These come up a lot.
NOTE Confidence: 0.902976736666667

00:33:33.080 --> 00:33:34.284 These very tiny nodules.
NOTE Confidence: 0.902976736666667

00:33:34.284 --> 00:33:35.682 How do we think about those?
NOTE Confidence: 0.902976736666667

00:33:35.682 --> 00:33:36.708 How do you think about those?
NOTE Confidence: 0.902976736666667

00:33:36.708 --> 00:33:37.628 You're on mute if you're
NOTE Confidence: 0.902976736666667

00:33:37.628 --> 00:33:38.500 going to start talking.
NOTE Confidence: 0.8600822075

00:33:40.190 --> 00:33:43.060 Yeah, I think those are always very
NOTE Confidence: 0.8600822075

00:33:43.060 --> 00:33:45.830 tricky and very anxiety provoking.
NOTE Confidence: 0.8600822075

00:33:45.830 --> 00:33:47.920 UM, you know, I I.
NOTE Confidence: 0.8600822075

00:33:47.920 --> 00:33:49.646 I don't know exactly what the numbers
NOTE Confidence: 0.8600822075

00:33:49.646 --> 00:33:52.265 are but I would say that a substantial
NOTE Confidence: 0.8600822075

00:33:52.265 --> 00:33:55.570 number of completely healthy otherwise
NOTE Confidence: 0.8600822075

00:33:55.570 --> 00:33:57.795 healthy people have lung nodules.
NOTE Confidence: 0.8600822075

00:33:57.800 --> 00:34:00.026 And then it can happen from a prior
NOTE Confidence: 0.8600822075

00:34:00.026 --> 00:34:02.779 pneumonia, some some exposures.

NOTE Confidence: 0.8600822075
00:34:02.780 --> 00:34:05.066 But I think that being said,
NOTE Confidence: 0.8600822075
00:34:05.070 --> 00:34:07.702 part of it depends on what they look like,
NOTE Confidence: 0.8600822075
00:34:07.702 --> 00:34:10.368 how big they are, what the pattern is.
NOTE Confidence: 0.669636743333333
00:34:10.770 --> 00:34:11.298 And and are
NOTE Confidence: 0.797779186666667
00:34:11.310 --> 00:34:12.780 they changing? That's
NOTE Confidence: 0.949360396666667
00:34:12.840 --> 00:34:15.990 probably the biggest factor,
NOTE Confidence: 0.949360396666667
00:34:15.990 --> 00:34:18.760 so we think for you know someone who
NOTE Confidence: 0.898190338
00:34:18.770 --> 00:34:19.840 comes in and they're worried
NOTE Confidence: 0.901653846666667
00:34:19.850 --> 00:34:20.810 about their nodules.
NOTE Confidence: 0.888195211428572
00:34:21.100 --> 00:34:25.496 You know. Generally we will repeat scans
NOTE Confidence: 0.907601766
00:34:23.570 --> 00:34:24.520 at a certain period of
NOTE Confidence: 0.920278976666667
00:34:24.530 --> 00:34:25.490 time, and if
NOTE Confidence: 0.8504562875
00:34:25.500 --> 00:34:28.480 they change then the concern goes
NOTE Confidence: 0.8504562875
00:34:28.480 --> 00:34:30.714 up quite a bit. And if it doesn't,
NOTE Confidence: 0.8504562875
00:34:30.714 --> 00:34:32.058 then we might wait them out.
NOTE Confidence: 0.875901376666667

00:34:32.070 --> 00:34:33.360 Continue to follow
NOTE Confidence: 0.85497389

00:34:33.930 --> 00:34:34.518 and we think if
NOTE Confidence: 0.84893444

00:34:34.530 --> 00:34:36.910 there is steady significant change then
NOTE Confidence: 0.84893444

00:34:36.910 --> 00:34:38.740 I think that would definitely work.
NOTE Confidence: 0.90664953

00:34:41.590 --> 00:34:43.180 Diving in and and
NOTE Confidence: 0.7895016275

00:34:43.190 --> 00:34:44.180 knowing for sure,
NOTE Confidence: 0.7895016275

00:34:44.180 --> 00:34:47.120 but probably by a biopsy, if
NOTE Confidence: 0.7755503425

00:34:47.130 --> 00:34:48.260 not by a pet scan.
NOTE Confidence: 0.9007075075

00:34:50.870 --> 00:34:53.310 Great, thank you, Mike.
NOTE Confidence: 0.9007075075

00:34:53.310 --> 00:34:55.830 OK, I'm gonna take a break from the
NOTE Confidence: 0.9007075075

00:34:55.830 --> 00:34:58.358 panel in the discussion and I'm gonna
NOTE Confidence: 0.9007075075

00:34:58.358 --> 00:35:01.274 give a few words about research and then
NOTE Confidence: 0.9007075075

00:35:01.274 --> 00:35:03.050 we're going to come back to our panel.
NOTE Confidence: 0.9007075075

00:35:03.050 --> 00:35:04.808 We will inspire some more questions
NOTE Confidence: 0.9007075075

00:35:04.808 --> 00:35:06.404 or they're already are quite a
NOTE Confidence: 0.9007075075

00:35:06.404 --> 00:35:07.550 few that we're going to get to

NOTE Confidence: 0.9007075075

00:35:07.550 --> 00:35:08.438 in in just a few minutes.

NOTE Confidence: 0.9007075075

00:35:08.440 --> 00:35:10.340 So would you go anywhere?

NOTE Confidence: 0.912617847142857

00:35:12.760 --> 00:35:16.176 I'm going to share my screen here.

NOTE Confidence: 0.912617847142857

00:35:16.180 --> 00:35:18.180 Talk a little bit about research and then

NOTE Confidence: 0.912617847142857

00:35:18.180 --> 00:35:22.090 we'll come back to the full group. OK, so.

NOTE Confidence: 0.879055586428572

00:35:25.240 --> 00:35:27.361 And when we were putting together this

NOTE Confidence: 0.879055586428572

00:35:27.361 --> 00:35:29.727 program we we really wanted to address

NOTE Confidence: 0.879055586428572

00:35:29.730 --> 00:35:32.565 topics that were of interest to our

NOTE Confidence: 0.879055586428572

00:35:32.565 --> 00:35:35.788 our patients in our Community and and

NOTE Confidence: 0.879055586428572

00:35:35.788 --> 00:35:39.834 answer questions that that people have in

NOTE Confidence: 0.730012688

00:35:38.800 --> 00:35:39.830 our, our, you know we. We

NOTE Confidence: 0.852009946

00:35:39.840 --> 00:35:41.751 are commonly asked in clinic and and

NOTE Confidence: 0.852009946

00:35:41.751 --> 00:35:43.997 that are on a lot of people's minds.

NOTE Confidence: 0.852009946

00:35:44.000 --> 00:35:46.184 And one thing that we think is so

NOTE Confidence: 0.852009946

00:35:46.184 --> 00:35:48.024 important here and I think many of you

NOTE Confidence: 0.852009946

00:35:48.024 --> 00:35:50.323 do too is is research and and really
NOTE Confidence: 0.852009946

00:35:50.323 --> 00:35:52.249 thinking about what the advances have
NOTE Confidence: 0.852009946

00:35:52.249 --> 00:35:54.282 been in lung Cancer Research and.
NOTE Confidence: 0.852009946

00:35:54.282 --> 00:35:55.690 And where we're going.
NOTE Confidence: 0.852009946

00:35:55.690 --> 00:35:56.943 And so I wanted to just address
NOTE Confidence: 0.852009946

00:35:56.943 --> 00:35:57.800 some of those things.
NOTE Confidence: 0.852009946

00:35:57.800 --> 00:35:59.650 There's also some very basic
NOTE Confidence: 0.852009946

00:35:59.650 --> 00:36:01.130 topics related to research,
NOTE Confidence: 0.852009946

00:36:01.130 --> 00:36:03.533 such as what is a clinical trial that I
NOTE Confidence: 0.852009946

00:36:03.533 --> 00:36:05.860 thought we would just start out by talking,
NOTE Confidence: 0.852009946

00:36:05.860 --> 00:36:06.517 talking about that,
NOTE Confidence: 0.852009946

00:36:06.517 --> 00:36:08.050 and then I'm going to give you
NOTE Confidence: 0.852009946

00:36:08.098 --> 00:36:09.488 some examples of some really
NOTE Confidence: 0.852009946

00:36:09.488 --> 00:36:10.600 amazing advances we've seen.
NOTE Confidence: 0.832258398571429

00:36:14.280 --> 00:36:16.877 So, so first is very basic definitions.
NOTE Confidence: 0.832258398571429

00:36:16.880 --> 00:36:20.930 This is from the NCI website the the

NOTE Confidence: 0.832258398571429
00:36:20.930 --> 00:36:23.308 the government branch that deals
NOTE Confidence: 0.832258398571429
00:36:23.308 --> 00:36:25.870 with cancer and helps with funding
NOTE Confidence: 0.832258398571429
00:36:25.938 --> 00:36:27.754 research and clinical clinical
NOTE Confidence: 0.832258398571429
00:36:27.754 --> 00:36:30.478 trials and other research in cancer.
NOTE Confidence: 0.832258398571429
00:36:30.480 --> 00:36:31.113 Among other things.
NOTE Confidence: 0.832258398571429
00:36:31.113 --> 00:36:32.379 Mike, I'm gonna ask you about
NOTE Confidence: 0.832258398571429
00:36:32.379 --> 00:36:33.326 yourself on mute if you can.
NOTE Confidence: 0.8346169
00:36:34.770 --> 00:36:35.840 Just that's my dog.
NOTE Confidence: 0.924059473333333
00:36:37.860 --> 00:36:39.510 OK, So what are clinical trials?
NOTE Confidence: 0.924059473333333
00:36:39.510 --> 00:36:40.306 And this is again,
NOTE Confidence: 0.924059473333333
00:36:40.306 --> 00:36:41.500 this is a very basic question,
NOTE Confidence: 0.924059473333333
00:36:41.500 --> 00:36:43.570 but it's something that a lot of people ask.
NOTE Confidence: 0.924059473333333
00:36:43.570 --> 00:36:45.418 I get this question a lot in clinic,
NOTE Confidence: 0.924059473333333
00:36:45.420 --> 00:36:47.513 so clinical trials by the NCI definition
NOTE Confidence: 0.924059473333333
00:36:47.513 --> 00:36:49.193 are research studies that involve
NOTE Confidence: 0.924059473333333

00:36:49.193 --> 00:36:50.645 people so pretty straightforward
NOTE Confidence: 0.9240594733333333

00:36:50.645 --> 00:36:52.457 and really important because through
NOTE Confidence: 0.9240594733333333

00:36:52.457 --> 00:36:54.585 clinical trials we find new ways to
NOTE Confidence: 0.9240594733333333

00:36:54.585 --> 00:36:56.259 improve treatments and the quality
NOTE Confidence: 0.9240594733333333

00:36:56.259 --> 00:36:58.377 of life for people with disease.
NOTE Confidence: 0.9240594733333333

00:36:58.380 --> 00:37:00.074 The other thing that's really important to
NOTE Confidence: 0.9240594733333333

00:37:00.074 --> 00:37:01.801 know is that clinical trials are really
NOTE Confidence: 0.9240594733333333

00:37:01.801 --> 00:37:03.511 the final step in this long process
NOTE Confidence: 0.9240594733333333

00:37:03.511 --> 00:37:05.170 that starts with research in a lab.
NOTE Confidence: 0.9240594733333333

00:37:05.170 --> 00:37:07.984 So the very beginning of any new
NOTE Confidence: 0.9240594733333333

00:37:07.984 --> 00:37:10.220 drug or treatment or strategy
NOTE Confidence: 0.9240594733333333

00:37:10.220 --> 00:37:12.575 for dealing with any disease,
NOTE Confidence: 0.9240594733333333

00:37:12.580 --> 00:37:13.276 including cancer,
NOTE Confidence: 0.9240594733333333

00:37:13.276 --> 00:37:15.364 is usually starting in a lab.
NOTE Confidence: 0.9240594733333333

00:37:15.370 --> 00:37:16.975 Seeing something that that works
NOTE Confidence: 0.9240594733333333

00:37:16.975 --> 00:37:19.647 in a cell or works in in an animal,

NOTE Confidence: 0.924059473333333

00:37:19.650 --> 00:37:22.014 and then bringing it through very

NOTE Confidence: 0.924059473333333

00:37:22.014 --> 00:37:23.590 painstaking process many years,

NOTE Confidence: 0.924059473333333

00:37:23.590 --> 00:37:25.666 typically into into the clinic where

NOTE Confidence: 0.924059473333333

00:37:25.666 --> 00:37:27.050 we can treat people.

NOTE Confidence: 0.924059473333333

00:37:27.050 --> 00:37:28.270 And so there's this says.

NOTE Confidence: 0.924059473333333

00:37:28.270 --> 00:37:29.692 Before any new treatment is used

NOTE Confidence: 0.924059473333333

00:37:29.692 --> 00:37:30.980 with people in clinical trials,

NOTE Confidence: 0.924059473333333

00:37:30.980 --> 00:37:32.975 researchers worked for many years

NOTE Confidence: 0.924059473333333

00:37:32.975 --> 00:37:35.701 to understand its effect in the lab

NOTE Confidence: 0.924059473333333

00:37:35.701 --> 00:37:37.699 and animals and also to understand

NOTE Confidence: 0.924059473333333

00:37:37.699 --> 00:37:38.960 its side effects.

NOTE Confidence: 0.924059473333333

00:37:38.960 --> 00:37:41.011 So you all have probably heard about

NOTE Confidence: 0.924059473333333

00:37:41.011 --> 00:37:42.789 different phases of clinical trials.

NOTE Confidence: 0.924059473333333

00:37:42.790 --> 00:37:44.310 There's a phase one trial,

NOTE Confidence: 0.924059473333333

00:37:44.310 --> 00:37:46.055 which sometimes people will call

NOTE Confidence: 0.924059473333333

00:37:46.055 --> 00:37:47.800 an early phase clinical trial.
NOTE Confidence: 0.9240594733333333

00:37:47.800 --> 00:37:49.864 This is really the typically the
NOTE Confidence: 0.9240594733333333

00:37:49.864 --> 00:37:52.485 first time a drug or medication is
NOTE Confidence: 0.9240594733333333

00:37:52.485 --> 00:37:54.825 brought into the clinic and child,
NOTE Confidence: 0.9240594733333333

00:37:54.830 --> 00:37:55.816 and people.
NOTE Confidence: 0.9240594733333333

00:37:55.816 --> 00:37:57.788 Sometimes it's actually also,
NOTE Confidence: 0.9240594733333333

00:37:57.790 --> 00:38:00.338 it can be medicines that have been
NOTE Confidence: 0.9240594733333333

00:38:00.338 --> 00:38:03.590 tested or even approved for use by the FDA,
NOTE Confidence: 0.9240594733333333

00:38:03.590 --> 00:38:05.564 but it's being tried in a different
NOTE Confidence: 0.9240594733333333

00:38:05.564 --> 00:38:05.846 combination.
NOTE Confidence: 0.9240594733333333

00:38:05.850 --> 00:38:07.656 So if you're putting two drugs that
NOTE Confidence: 0.9240594733333333

00:38:07.656 --> 00:38:09.239 have never been tried together.
NOTE Confidence: 0.9240594733333333

00:38:09.240 --> 00:38:10.374 And you're using that as a treatment
NOTE Confidence: 0.9240594733333333

00:38:10.374 --> 00:38:11.060 for the first time.
NOTE Confidence: 0.9240594733333333

00:38:11.060 --> 00:38:12.536 Sometimes that's a phase one study,
NOTE Confidence: 0.9240594733333333

00:38:12.540 --> 00:38:14.451 even if those drugs are very far

NOTE Confidence: 0.924059473333333

00:38:14.451 --> 00:38:16.200 along in development or even approved,

NOTE Confidence: 0.924059473333333

00:38:16.200 --> 00:38:17.677 and the main question in a phase

NOTE Confidence: 0.924059473333333

00:38:17.677 --> 00:38:18.310 one trial is,

NOTE Confidence: 0.924059473333333

00:38:18.310 --> 00:38:21.089 is the treatment safe and often also

NOTE Confidence: 0.924059473333333

00:38:21.089 --> 00:38:24.028 to find the best or safest dose?

NOTE Confidence: 0.924059473333333

00:38:24.030 --> 00:38:25.260 But you know the amazing thing

NOTE Confidence: 0.924059473333333

00:38:25.260 --> 00:38:26.080 with phase one trials.

NOTE Confidence: 0.924059473333333

00:38:26.080 --> 00:38:27.610 These early trials more and more.

NOTE Confidence: 0.924059473333333

00:38:27.610 --> 00:38:29.948 Now these days we are seeing pretty

NOTE Confidence: 0.924059473333333

00:38:29.948 --> 00:38:31.721 amazing activity and and benefit

NOTE Confidence: 0.924059473333333

00:38:31.721 --> 00:38:33.481 in these trials because they're

NOTE Confidence: 0.924059473333333

00:38:33.481 --> 00:38:35.569 starting to get very much smarter

NOTE Confidence: 0.924059473333333

00:38:35.569 --> 00:38:37.501 in how we're using the medicines

NOTE Confidence: 0.924059473333333

00:38:37.501 --> 00:38:39.486 and which patients were treated.

NOTE Confidence: 0.924059473333333

00:38:39.486 --> 00:38:40.728 And so again,

NOTE Confidence: 0.924059473333333

00:38:40.730 --> 00:38:42.634 the goal is typically to make sure the
NOTE Confidence: 0.9240594733333333

00:38:42.634 --> 00:38:44.639 medicine is safe and to find the best dose.
NOTE Confidence: 0.9240594733333333

00:38:44.640 --> 00:38:46.494 But it's also to see how well it works
NOTE Confidence: 0.9240594733333333

00:38:46.494 --> 00:38:48.466 and how it affects the body and fights.
NOTE Confidence: 0.9240594733333333

00:38:48.470 --> 00:38:49.922 Cancer phase two studies,
NOTE Confidence: 0.9240594733333333

00:38:49.922 --> 00:38:52.829 or when the drug gets through phase one.
NOTE Confidence: 0.9240594733333333

00:38:52.830 --> 00:38:54.378 So it's proven to be safe.
NOTE Confidence: 0.9240594733333333

00:38:54.380 --> 00:38:56.516 We know the best dose and we have
NOTE Confidence: 0.9240594733333333

00:38:56.516 --> 00:38:57.942 some indication that there might
NOTE Confidence: 0.9240594733333333

00:38:57.942 --> 00:38:59.337 be a good benefit there,
NOTE Confidence: 0.9240594733333333

00:38:59.340 --> 00:39:00.691 and so then it's brought into a
NOTE Confidence: 0.9240594733333333

00:39:00.691 --> 00:39:02.051 bigger study which is a phase two
NOTE Confidence: 0.9240594733333333

00:39:02.051 --> 00:39:03.320 study and the main question there is,
NOTE Confidence: 0.9240594733333333

00:39:03.320 --> 00:39:04.660 does the treatment work?
NOTE Confidence: 0.9240594733333333

00:39:04.660 --> 00:39:05.330 And again,
NOTE Confidence: 0.9240594733333333

00:39:05.330 --> 00:39:06.805 we're really trying to understand

NOTE Confidence: 0.924059473333333

00:39:06.805 --> 00:39:08.566 if there's a positive effect on

NOTE Confidence: 0.924059473333333

00:39:08.566 --> 00:39:09.280 a certain cancer,

NOTE Confidence: 0.862311533

00:39:09.280 --> 00:39:10.900 so usually phase two studies

NOTE Confidence: 0.862311533

00:39:10.900 --> 00:39:12.520 are in a particular cancer.

NOTE Confidence: 0.862311533

00:39:12.520 --> 00:39:15.103 It's not in a lot of different cancer types,

NOTE Confidence: 0.862311533

00:39:15.110 --> 00:39:16.631 and again, the the other goal is to see

NOTE Confidence: 0.862311533

00:39:16.631 --> 00:39:18.056 how the treatment affects the body.

NOTE Confidence: 0.862311533

00:39:18.060 --> 00:39:19.686 We're also still in every phase

NOTE Confidence: 0.862311533

00:39:19.686 --> 00:39:21.470 looking very closely at side effects,

NOTE Confidence: 0.862311533

00:39:21.470 --> 00:39:23.018 making sure the treatments are not

NOTE Confidence: 0.862311533

00:39:23.018 --> 00:39:25.210 dangerous in any way for people.

NOTE Confidence: 0.862311533

00:39:25.210 --> 00:39:26.190 And then in phase three,

NOTE Confidence: 0.862311533

00:39:26.190 --> 00:39:28.230 these are usually the larger trials.

NOTE Confidence: 0.862311533

00:39:28.230 --> 00:39:29.958 Very often these are randomized trials

NOTE Confidence: 0.862311533

00:39:29.958 --> 00:39:31.791 where some people get one treatment

NOTE Confidence: 0.862311533

00:39:31.791 --> 00:39:33.663 and some people get another treatment,
NOTE Confidence: 0.862311533

00:39:33.670 --> 00:39:35.152 sometimes multiple different
NOTE Confidence: 0.862311533

00:39:35.152 --> 00:39:37.128 groups of treatment options,
NOTE Confidence: 0.862311533

00:39:37.130 --> 00:39:38.761 and the purpose here is to compare
NOTE Confidence: 0.862311533

00:39:38.761 --> 00:39:40.849 it to the current standard of care.
NOTE Confidence: 0.862311533

00:39:40.850 --> 00:39:42.821 So this is a question that often comes up
NOTE Confidence: 0.862311533

00:39:42.821 --> 00:39:44.895 when I'm talking to people about trials is,
NOTE Confidence: 0.862311533

00:39:44.900 --> 00:39:45.950 well, I might.
NOTE Confidence: 0.862311533

00:39:45.950 --> 00:39:49.469 I get a pasivo or sugar pill in oncology.
NOTE Confidence: 0.862311533

00:39:49.470 --> 00:39:50.990 That's actually pretty rare.
NOTE Confidence: 0.862311533

00:39:50.990 --> 00:39:53.270 We really don't typically do that,
NOTE Confidence: 0.862311533

00:39:53.270 --> 00:39:54.396 and that's because it really
NOTE Confidence: 0.862311533

00:39:54.396 --> 00:39:55.619 wouldn't typically be.
NOTE Confidence: 0.862311533

00:39:55.619 --> 00:39:57.502 Ethical to not give someone any treatment
NOTE Confidence: 0.862311533

00:39:57.502 --> 00:39:59.957 and so usually what a phase three trial is.
NOTE Confidence: 0.862311533

00:39:59.960 --> 00:40:01.969 It's comparing this new treatment that we

NOTE Confidence: 0.862311533

00:40:01.969 --> 00:40:04.367 think might be better than what's available,

NOTE Confidence: 0.862311533

00:40:04.370 --> 00:40:06.314 and so we're comparing the new

NOTE Confidence: 0.862311533

00:40:06.314 --> 00:40:07.943 treatment to the current standard.

NOTE Confidence: 0.862311533

00:40:07.943 --> 00:40:10.740 So let's say one chemotherapy to another

NOTE Confidence: 0.862311533

00:40:10.740 --> 00:40:14.239 or a targeted therapy to the chemotherapy.

NOTE Confidence: 0.862311533

00:40:14.240 --> 00:40:16.607 So what are the benefits and risks of trials?

NOTE Confidence: 0.862311533

00:40:16.610 --> 00:40:16.862 Well,

NOTE Confidence: 0.862311533

00:40:16.862 --> 00:40:19.130 I guess the way that I think about the

NOTE Confidence: 0.862311533

00:40:19.187 --> 00:40:21.291 benefits is it really isn't a way to

NOTE Confidence: 0.862311533

00:40:21.291 --> 00:40:23.310 get early access to new treatments.

NOTE Confidence: 0.862311533

00:40:23.310 --> 00:40:25.137 These are drugs that are have shown

NOTE Confidence: 0.862311533

00:40:25.137 --> 00:40:26.983 promise in the lab and now are

NOTE Confidence: 0.862311533

00:40:26.983 --> 00:40:28.489 coming into clinic or have shown

NOTE Confidence: 0.862311533

00:40:28.544 --> 00:40:29.800 promise in early trials.

NOTE Confidence: 0.862311533

00:40:29.800 --> 00:40:31.264 But now we're moving along in

NOTE Confidence: 0.862311533

00:40:31.264 --> 00:40:32.929 development and then I think a lot
NOTE Confidence: 0.862311533

00:40:32.929 --> 00:40:34.406 of people really like the idea of
NOTE Confidence: 0.862311533

00:40:34.462 --> 00:40:36.177 advancing medical knowledge and and
NOTE Confidence: 0.862311533

00:40:36.177 --> 00:40:37.892 thinking that they're they're helping
NOTE Confidence: 0.862311533

00:40:37.900 --> 00:40:39.910 to us to understand the disease
NOTE Confidence: 0.862311533

00:40:39.910 --> 00:40:42.370 better and and trying to get better
NOTE Confidence: 0.862311533

00:40:42.370 --> 00:40:44.476 treatments for people in the future.
NOTE Confidence: 0.862311533

00:40:44.480 --> 00:40:46.020 And then there are of course risks.
NOTE Confidence: 0.862311533

00:40:46.020 --> 00:40:48.428 And with every clinical trial we always
NOTE Confidence: 0.862311533

00:40:48.428 --> 00:40:50.485 talk to people about the possible
NOTE Confidence: 0.862311533

00:40:50.485 --> 00:40:52.520 risks we we know that actually many
NOTE Confidence: 0.862311533

00:40:52.520 --> 00:40:54.060 times where you know we're we have
NOTE Confidence: 0.862311533

00:40:54.060 --> 00:40:55.699 a medicine that's very promising.
NOTE Confidence: 0.862311533

00:40:55.700 --> 00:40:57.058 But it turns out it's actually not
NOTE Confidence: 0.862311533

00:40:57.058 --> 00:40:58.340 better than the standard of care.
NOTE Confidence: 0.862311533

00:40:58.340 --> 00:41:00.100 And so if someone is on a trial,

NOTE Confidence: 0.862311533

00:41:00.100 --> 00:41:01.654 they might get a medicine that's not

NOTE Confidence: 0.862311533

00:41:01.654 --> 00:41:03.182 clearly better than the standard treatment.

NOTE Confidence: 0.862311533

00:41:03.182 --> 00:41:05.714 There could be unexpected side effects.

NOTE Confidence: 0.862311533

00:41:05.720 --> 00:41:07.360 This is followed so closely,

NOTE Confidence: 0.862311533

00:41:07.360 --> 00:41:09.168 and it's a huge effort to make sure

NOTE Confidence: 0.862311533

00:41:09.168 --> 00:41:10.895 the side effects aren't going to

NOTE Confidence: 0.862311533

00:41:10.895 --> 00:41:12.719 be harmful or dangerous for people.

NOTE Confidence: 0.862311533

00:41:12.720 --> 00:41:14.488 But it still could happen on a trial.

NOTE Confidence: 0.862311533

00:41:14.490 --> 00:41:16.258 And I will say that sometimes on trials

NOTE Confidence: 0.862311533

00:41:16.258 --> 00:41:18.030 there's more visits and testing just again,

NOTE Confidence: 0.862311533

00:41:18.030 --> 00:41:19.335 because we're watching people so

NOTE Confidence: 0.862311533

00:41:19.335 --> 00:41:21.139 closely to make sure that it's safe.

NOTE Confidence: 0.945753635

00:41:23.330 --> 00:41:25.160 I wanted to also talk about

NOTE Confidence: 0.945753635

00:41:25.160 --> 00:41:25.770 translational research.

NOTE Confidence: 0.945753635

00:41:25.770 --> 00:41:27.443 This is a topic that come that

NOTE Confidence: 0.945753635

00:41:27.443 --> 00:41:29.391 we also will talk a lot about in
NOTE Confidence: 0.945753635

00:41:29.391 --> 00:41:31.385 clinic because we do a lot of these
NOTE Confidence: 0.945753635

00:41:31.385 --> 00:41:33.177 types of studies here at Yale and
NOTE Confidence: 0.945753635

00:41:33.180 --> 00:41:34.990 many academic centers do this.
NOTE Confidence: 0.945753635

00:41:34.990 --> 00:41:37.357 The idea is that this can go both ways.
NOTE Confidence: 0.945753635

00:41:37.360 --> 00:41:39.677 It goes from the bench or the
NOTE Confidence: 0.945753635

00:41:39.677 --> 00:41:41.868 laboratory to the clinic and back,
NOTE Confidence: 0.945753635

00:41:41.870 --> 00:41:44.222 and so the part of this is that
NOTE Confidence: 0.945753635

00:41:44.222 --> 00:41:45.950 outcomes obtained in the laboratory.
NOTE Confidence: 0.945753635

00:41:45.950 --> 00:41:47.150 So like interesting findings,
NOTE Confidence: 0.945753635

00:41:47.150 --> 00:41:49.350 may be a new medicine that someone
NOTE Confidence: 0.945753635

00:41:49.350 --> 00:41:51.050 is developing in a laboratory.
NOTE Confidence: 0.945753635

00:41:51.050 --> 00:41:52.457 We can then bring into the clinic
NOTE Confidence: 0.945753635

00:41:52.457 --> 00:41:54.028 and see if we get able to help.
NOTE Confidence: 0.945753635

00:41:54.030 --> 00:41:54.585 People with it,
NOTE Confidence: 0.945753635

00:41:54.585 --> 00:41:56.090 but it also can go the other way,

NOTE Confidence: 0.945753635

00:41:56.090 --> 00:41:57.402 where sometimes things we've

NOTE Confidence: 0.945753635

00:41:57.402 --> 00:41:58.714 seen in the clinic.

NOTE Confidence: 0.945753635

00:41:58.720 --> 00:42:00.155 Someone who has an amazing

NOTE Confidence: 0.945753635

00:42:00.155 --> 00:42:01.303 response to a treatment,

NOTE Confidence: 0.945753635

00:42:01.310 --> 00:42:02.696 even more than we would expect,

NOTE Confidence: 0.945753635

00:42:02.700 --> 00:42:05.820 or some interesting different.

NOTE Confidence: 0.945753635

00:42:05.820 --> 00:42:08.348 Side effect or or unique aspect.

NOTE Confidence: 0.945753635

00:42:08.348 --> 00:42:10.224 We might then either take a piece

NOTE Confidence: 0.945753635

00:42:10.224 --> 00:42:12.024 of the tumor or a blood sample

NOTE Confidence: 0.945753635

00:42:12.024 --> 00:42:13.702 and study it in the laboratory

NOTE Confidence: 0.945753635

00:42:13.702 --> 00:42:15.358 to understand that better,

NOTE Confidence: 0.945753635

00:42:15.360 --> 00:42:16.298 and so it can go both ways.

NOTE Confidence: 0.945753635

00:42:16.300 --> 00:42:18.364 And this is really an important

NOTE Confidence: 0.945753635

00:42:18.364 --> 00:42:20.150 area of research as well.

NOTE Confidence: 0.945753635

00:42:20.150 --> 00:42:21.998 I wanted to just give an example

NOTE Confidence: 0.945753635

00:42:21.998 --> 00:42:23.366 of translational research and how
NOTE Confidence: 0.945753635

00:42:23.366 --> 00:42:24.950 it's really helped us to improve
NOTE Confidence: 0.945753635

00:42:24.950 --> 00:42:26.208 our understanding of lung cancer.
NOTE Confidence: 0.945753635

00:42:26.210 --> 00:42:27.680 Dan alluded to this before and I'll
NOTE Confidence: 0.945753635

00:42:27.680 --> 00:42:29.427 just show you a little bit more detail,
NOTE Confidence: 0.945753635

00:42:29.430 --> 00:42:31.800 so this is a bit of a timeline in how
NOTE Confidence: 0.945753635

00:42:31.865 --> 00:42:33.979 we have started to how we really,
NOTE Confidence: 0.945753635

00:42:33.980 --> 00:42:35.476 the understanding of mutations
NOTE Confidence: 0.945753635

00:42:35.476 --> 00:42:37.346 in lung cancer have evolved.
NOTE Confidence: 0.945753635

00:42:37.350 --> 00:42:39.961 So back in 2004 we really only
NOTE Confidence: 0.945753635

00:42:39.961 --> 00:42:42.239 knew about two main drivers,
NOTE Confidence: 0.945753635

00:42:42.240 --> 00:42:44.270 two main driver mutations in lung cancer,
NOTE Confidence: 0.945753635

00:42:44.270 --> 00:42:45.419 EGFR and KRAS.
NOTE Confidence: 0.945753635

00:42:45.419 --> 00:42:47.334 This wasn't that long ago,
NOTE Confidence: 0.945753635

00:42:47.340 --> 00:42:49.446 just you know, 1617 years ago.
NOTE Confidence: 0.945753635

00:42:49.450 --> 00:42:51.418 Over the next couple of years.

NOTE Confidence: 0.945753635

00:42:51.420 --> 00:42:53.070 We started to understand more about

NOTE Confidence: 0.945753635

00:42:53.070 --> 00:42:54.530 the different mutations in cancer.

NOTE Confidence: 0.945753635

00:42:54.530 --> 00:42:56.651 This is what Dan was talking about

NOTE Confidence: 0.945753635

00:42:56.651 --> 00:42:58.466 with the different when they show

NOTE Confidence: 0.945753635

00:42:58.466 --> 00:42:59.976 the different people in different

NOTE Confidence: 0.945753635

00:42:59.976 --> 00:43:01.380 colors and different mutations

NOTE Confidence: 0.945753635

00:43:01.380 --> 00:43:03.108 that we might find in the cancer.

NOTE Confidence: 0.945753635

00:43:03.108 --> 00:43:04.928 And so as we started to understand

NOTE Confidence: 0.945753635

00:43:04.928 --> 00:43:05.790 things better,

NOTE Confidence: 0.945753635

00:43:05.790 --> 00:43:07.548 we started to develop better treatments.

NOTE Confidence: 0.945753635

00:43:07.550 --> 00:43:08.816 But you could see there's still

NOTE Confidence: 0.945753635

00:43:08.816 --> 00:43:10.503 this big piece of the pie where we

NOTE Confidence: 0.945753635

00:43:10.503 --> 00:43:11.953 didn't know what was going on in

NOTE Confidence: 0.945753635

00:43:11.953 --> 00:43:13.219 the tumors of those patients and

NOTE Confidence: 0.945753635

00:43:13.219 --> 00:43:14.769 it really was by getting biopsies

NOTE Confidence: 0.945753635

00:43:14.769 --> 00:43:16.284 and studying those tumor samples

NOTE Confidence: 0.945753635

00:43:16.284 --> 00:43:18.055 in the lab that we started to

NOTE Confidence: 0.945753635

00:43:18.055 --> 00:43:19.370 be able to fill this in.

NOTE Confidence: 0.945753635

00:43:19.370 --> 00:43:20.714 And you can see here just

NOTE Confidence: 0.945753635

00:43:20.714 --> 00:43:21.870 a couple of years ago.

NOTE Confidence: 0.945753635

00:43:21.870 --> 00:43:22.686 Or understanding more,

NOTE Confidence: 0.945753635

00:43:22.686 --> 00:43:23.502 we're getting additional

NOTE Confidence: 0.945753635

00:43:23.502 --> 00:43:25.009 pieces of the pie you know.

NOTE Confidence: 0.945753635

00:43:25.010 --> 00:43:25.763 Back in 2009,

NOTE Confidence: 0.945753635

00:43:25.763 --> 00:43:27.269 we didn't know about this alteration,

NOTE Confidence: 0.945753635

00:43:27.270 --> 00:43:28.485 called Ross one.

NOTE Confidence: 0.945753635

00:43:28.485 --> 00:43:31.214 Now we do a very important finding

NOTE Confidence: 0.945753635

00:43:31.214 --> 00:43:32.978 in lung cancer because we have

NOTE Confidence: 0.945753635

00:43:32.978 --> 00:43:34.195 good targeted therapies and

NOTE Confidence: 0.945753635

00:43:34.195 --> 00:43:35.615 there's many other examples too.

NOTE Confidence: 0.945753635

00:43:35.620 --> 00:43:36.766 And then here we are today.

NOTE Confidence: 0.945753635

00:43:36.770 --> 00:43:38.840 So we now look at this, this pie.

NOTE Confidence: 0.945753635

00:43:38.840 --> 00:43:39.822 This is, I think,

NOTE Confidence: 0.945753635

00:43:39.822 --> 00:43:40.118 beautiful.

NOTE Confidence: 0.945753635

00:43:40.118 --> 00:43:42.170 We really understand so much more

NOTE Confidence: 0.945753635

00:43:42.170 --> 00:43:43.265 about lung cancer.

NOTE Confidence: 0.945753635

00:43:43.270 --> 00:43:44.355 And of course the best part is

NOTE Confidence: 0.945753635

00:43:44.355 --> 00:43:46.220 that we're able to target so many

NOTE Confidence: 0.945753635

00:43:46.220 --> 00:43:47.770 of these alterations with really

NOTE Confidence: 0.933405850833333

00:43:47.836 --> 00:43:48.740 effective drugs.

NOTE Confidence: 0.933405850833333

00:43:48.740 --> 00:43:50.126 And so this is an example.

NOTE Confidence: 0.933405850833333

00:43:50.130 --> 00:43:51.210 I wanted to show you because

NOTE Confidence: 0.933405850833333

00:43:51.210 --> 00:43:52.190 it was a study that.

NOTE Confidence: 0.933405850833333

00:43:52.190 --> 00:43:54.010 That we participated in here at Yale.

NOTE Confidence: 0.933405850833333

00:43:54.010 --> 00:43:55.555 Many other sites across the

NOTE Confidence: 0.933405850833333

00:43:55.555 --> 00:43:57.100 country participated in as well.

NOTE Confidence: 0.933405850833333

00:43:57.100 --> 00:43:58.876 Again, what we did was we.
NOTE Confidence: 0.933405850833333

00:43:58.880 --> 00:44:01.448 We looked at biopsies from patients.
NOTE Confidence: 0.933405850833333

00:44:01.450 --> 00:44:03.470 Mostly the patients had biopsies
NOTE Confidence: 0.933405850833333

00:44:03.470 --> 00:44:05.490 done for their clinical care,
NOTE Confidence: 0.933405850833333

00:44:05.490 --> 00:44:07.079 and then we studied these in the
NOTE Confidence: 0.933405850833333

00:44:07.079 --> 00:44:08.313 lab in collaboration with all
NOTE Confidence: 0.933405850833333

00:44:08.313 --> 00:44:09.578 these other really wonderful cancer
NOTE Confidence: 0.933405850833333

00:44:09.578 --> 00:44:11.254 centers and we were able to fill
NOTE Confidence: 0.933405850833333

00:44:11.254 --> 00:44:12.562 in this pie and really understand
NOTE Confidence: 0.933405850833333

00:44:12.570 --> 00:44:13.782 what was happening in lung cancer
NOTE Confidence: 0.933405850833333

00:44:13.782 --> 00:44:15.290 and so why is that important?
NOTE Confidence: 0.933405850833333

00:44:15.290 --> 00:44:17.650 Well, because now we can really have this
NOTE Confidence: 0.933405850833333

00:44:17.650 --> 00:44:19.050 personalized therapy for lung cancer.
NOTE Confidence: 0.933405850833333

00:44:19.050 --> 00:44:20.114 This was, you know,
NOTE Confidence: 0.933405850833333

00:44:20.114 --> 00:44:21.710 20 years ago where everybody with
NOTE Confidence: 0.933405850833333

00:44:21.763 --> 00:44:23.367 lung cancer especially advanced.

NOTE Confidence: 0.933405850833333
00:44:23.370 --> 00:44:24.755 Disease got really the same
NOTE Confidence: 0.933405850833333
00:44:24.755 --> 00:44:25.863 treatment which was chemotherapy,
NOTE Confidence: 0.933405850833333
00:44:25.870 --> 00:44:27.742 and now that we understand the
NOTE Confidence: 0.933405850833333
00:44:27.742 --> 00:44:29.450 mutations in lung cancer better,
NOTE Confidence: 0.933405850833333
00:44:29.450 --> 00:44:31.473 we can really have personalized therapy or
NOTE Confidence: 0.933405850833333
00:44:31.473 --> 00:44:33.719 some people will call it precision medicine,
NOTE Confidence: 0.933405850833333
00:44:33.720 --> 00:44:35.640 where if we find one mutation you get
NOTE Confidence: 0.933405850833333
00:44:35.640 --> 00:44:37.200 treatment a a different mutation,
NOTE Confidence: 0.933405850833333
00:44:37.200 --> 00:44:38.058 treatment, being, etc.
NOTE Confidence: 0.933405850833333
00:44:38.058 --> 00:44:40.060 And they think of this as like
NOTE Confidence: 0.933405850833333
00:44:40.119 --> 00:44:40.927 a lock and key.
NOTE Confidence: 0.933405850833333
00:44:40.930 --> 00:44:42.106 If we understand,
NOTE Confidence: 0.933405850833333
00:44:42.106 --> 00:44:44.458 you know what key will open,
NOTE Confidence: 0.933405850833333
00:44:44.460 --> 00:44:45.172 what lock.
NOTE Confidence: 0.933405850833333
00:44:45.172 --> 00:44:47.308 We really can be most effective
NOTE Confidence: 0.933405850833333

00:44:47.308 --> 00:44:48.900 in our treatments.
NOTE Confidence: 0.933405850833333

00:44:48.900 --> 00:44:50.556 And this is from several years ago now,
NOTE Confidence: 0.933405850833333

00:44:50.560 --> 00:44:52.736 but this really made a splash in the
NOTE Confidence: 0.933405850833333

00:44:52.736 --> 00:44:54.569 news because it it worked so well
NOTE Confidence: 0.933405850833333

00:44:54.569 --> 00:44:56.585 for some people and you can see here
NOTE Confidence: 0.933405850833333

00:44:56.585 --> 00:44:58.666 in the Boston Globe a drug that works.
NOTE Confidence: 0.933405850833333

00:44:58.666 --> 00:44:59.398 For some,
NOTE Confidence: 0.933405850833333

00:44:59.398 --> 00:45:01.960 this is looking at the EGFR therapies.
NOTE Confidence: 0.933405850833333

00:45:01.960 --> 00:45:03.826 Once we understand that some people
NOTE Confidence: 0.933405850833333

00:45:03.826 --> 00:45:05.988 had this EGFR mutation in their cancer.
NOTE Confidence: 0.933405850833333

00:45:05.990 --> 00:45:07.817 The medication was found to work very,
NOTE Confidence: 0.933405850833333

00:45:07.820 --> 00:45:10.230 very well.
NOTE Confidence: 0.933405850833333

00:45:10.230 --> 00:45:11.748 So I wanted to talk about
NOTE Confidence: 0.933405850833333

00:45:11.748 --> 00:45:12.760 immune therapy very briefly.
NOTE Confidence: 0.933405850833333

00:45:12.760 --> 00:45:14.590 Dan mentioned what this was,
NOTE Confidence: 0.933405850833333

00:45:14.590 --> 00:45:15.386 what this was about,

NOTE Confidence: 0.933405850833333

00:45:15.386 --> 00:45:17.098 and I just wanted to talk about it

NOTE Confidence: 0.933405850833333

00:45:17.098 --> 00:45:18.496 in the context of clinical trials.

NOTE Confidence: 0.933405850833333

00:45:18.500 --> 00:45:20.652 In the lab and this was done by

NOTE Confidence: 0.933405850833333

00:45:20.652 --> 00:45:22.359 researchers at Yale and elsewhere,

NOTE Confidence: 0.933405850833333

00:45:22.360 --> 00:45:23.335 it was started.

NOTE Confidence: 0.933405850833333

00:45:23.335 --> 00:45:24.960 People were starting to understand

NOTE Confidence: 0.933405850833333

00:45:24.960 --> 00:45:26.594 that immune therapy might be

NOTE Confidence: 0.933405850833333

00:45:26.594 --> 00:45:28.134 very effective for for cancer,

NOTE Confidence: 0.933405850833333

00:45:28.140 --> 00:45:28.830 including lung cancer,

NOTE Confidence: 0.933405850833333

00:45:28.830 --> 00:45:30.210 and so this was brought into

NOTE Confidence: 0.933405850833333

00:45:30.210 --> 00:45:31.536 the clinic in an early phase.

NOTE Confidence: 0.933405850833333

00:45:31.540 --> 00:45:33.724 Clinical trial is a phase one trial,

NOTE Confidence: 0.933405850833333

00:45:33.730 --> 00:45:35.506 the medication that's now known as

NOTE Confidence: 0.933405850833333

00:45:35.506 --> 00:45:37.317 Nimbola Mab was called M DX 1106,

NOTE Confidence: 0.933405850833333

00:45:37.317 --> 00:45:38.780 and Yale was one of the first

NOTE Confidence: 0.933405850833333

00:45:38.840 --> 00:45:40.380 sites to have this medication
NOTE Confidence: 0.933405850833333

00:45:40.380 --> 00:45:41.612 to having in therapies,
NOTE Confidence: 0.933405850833333

00:45:41.620 --> 00:45:43.204 and this is a patient of doctor again,
NOTE Confidence: 0.933405850833333

00:45:43.210 --> 00:45:44.698 just maybe she's even on the call today.
NOTE Confidence: 0.933405850833333

00:45:44.700 --> 00:45:47.139 I don't know, but this was in a magazine,
NOTE Confidence: 0.933405850833333

00:45:47.140 --> 00:45:49.268 so that's why I'm showing her picture.
NOTE Confidence: 0.933405850833333

00:45:49.270 --> 00:45:50.824 And she was treated in June of
NOTE Confidence: 0.933405850833333

00:45:50.824 --> 00:45:52.368 2010 and she had a beautiful,
NOTE Confidence: 0.933405850833333

00:45:52.370 --> 00:45:54.130 beautiful response to this treatment.
NOTE Confidence: 0.933405850833333

00:45:54.130 --> 00:45:56.116 On this phase one trial and
NOTE Confidence: 0.933405850833333

00:45:56.116 --> 00:45:57.910 she's still doing well today.
NOTE Confidence: 0.933405850833333

00:45:57.910 --> 00:45:58.370 So really,
NOTE Confidence: 0.933405850833333

00:45:58.370 --> 00:45:59.580 a wonderful story of immune
NOTE Confidence: 0.933405850833333

00:45:59.580 --> 00:46:02.820 therapy and in clinical research.
NOTE Confidence: 0.933405850833333

00:46:02.820 --> 00:46:03.918 And so this is another story.
NOTE Confidence: 0.933405850833333

00:46:03.920 --> 00:46:05.300 I wanted to show here,

NOTE Confidence: 0.933405850833333

00:46:05.300 --> 00:46:06.973 and I'm actually going to ask Doctor

NOTE Confidence: 0.933405850833333

00:46:06.973 --> 00:46:09.159 Herbst if he can tell us about this study,

NOTE Confidence: 0.933405850833333

00:46:09.160 --> 00:46:10.948 because he's one of the lead

NOTE Confidence: 0.933405850833333

00:46:10.948 --> 00:46:12.140 investigators on this and

NOTE Confidence: 0.920300175769231

00:46:12.203 --> 00:46:13.723 it's really an amazing study

NOTE Confidence: 0.920300175769231

00:46:13.723 --> 00:46:15.243 that we've learned so much

NOTE Confidence: 0.920300175769231

00:46:15.300 --> 00:46:16.956 from and is still ongoing now.

NOTE Confidence: 0.920300175769231

00:46:16.960 --> 00:46:19.570 So Roy, do you want to tell us a

NOTE Confidence: 0.920300175769231

00:46:19.570 --> 00:46:22.070 bit about this study? Absolutely

NOTE Confidence: 0.583858142

00:46:22.080 --> 00:46:24.792 yeah thanks. Uh Sarah.

NOTE Confidence: 0.583858142

00:46:24.792 --> 00:46:27.773 So this is a study called the lung

NOTE Confidence: 0.583858142

00:46:27.773 --> 00:46:29.678 Cancer Master protocol and know what.

NOTE Confidence: 0.583858142

00:46:29.680 --> 00:46:32.844 Basically this is it's a public

NOTE Confidence: 0.583858142

00:46:32.844 --> 00:46:34.901 private partnership where what we've

NOTE Confidence: 0.583858142

00:46:34.901 --> 00:46:37.861 done is we have set up a study that's

NOTE Confidence: 0.583858142

00:46:37.861 --> 00:46:40.555 open all over the United States and
NOTE Confidence: 0.583858142

00:46:40.555 --> 00:46:42.670 the drugs that we get you can see on
NOTE Confidence: 0.583858142

00:46:42.732 --> 00:46:45.420 the bottom right come from different
NOTE Confidence: 0.583858142

00:46:45.420 --> 00:46:46.914 pharmaceutical companies and and
NOTE Confidence: 0.583858142

00:46:46.914 --> 00:46:48.993 and what they do is they provide
NOTE Confidence: 0.583858142

00:46:48.993 --> 00:46:50.796 the drugs and and and resources.
NOTE Confidence: 0.583858142

00:46:50.796 --> 00:46:53.187 Is something called the F NIH the foundation
NOTE Confidence: 0.583858142

00:46:53.187 --> 00:46:55.245 for the National Institute of Health?
NOTE Confidence: 0.583858142

00:46:55.250 --> 00:46:58.018 That's in the upper right of that circle.
NOTE Confidence: 0.583858142

00:46:58.020 --> 00:46:59.890 And why that's important is
NOTE Confidence: 0.583858142

00:46:59.890 --> 00:47:01.760 because with those resources were
NOTE Confidence: 0.583858142

00:47:01.829 --> 00:47:03.816 able to provide tumor profiling,
NOTE Confidence: 0.583858142

00:47:03.816 --> 00:47:06.997 meaning sequencing of tumors free to all
NOTE Confidence: 0.583858142

00:47:06.997 --> 00:47:09.740 sites that have this open around the US.
NOTE Confidence: 0.583858142

00:47:09.740 --> 00:47:12.218 And that's now almost 700 sites,
NOTE Confidence: 0.583858142

00:47:12.220 --> 00:47:12.962 including Yale,

NOTE Confidence: 0.583858142

00:47:12.962 --> 00:47:15.930 the Smilow Cancer Hospital at all of our

NOTE Confidence: 0.583858142

00:47:15.999 --> 00:47:19.058 15 plus locations and also the Veterans

NOTE Confidence: 0.583858142

00:47:19.058 --> 00:47:21.169 Administration Hospital in West Haven.

NOTE Confidence: 0.583858142

00:47:21.170 --> 00:47:22.759 And if you look on the right,

NOTE Confidence: 0.583858142

00:47:22.760 --> 00:47:24.488 what you can see is that this is a

NOTE Confidence: 0.583858142

00:47:24.488 --> 00:47:25.636 collaborative study between multiple groups

NOTE Confidence: 0.583858142

00:47:25.636 --> 00:47:27.609 and I don't know if there's another slide,

NOTE Confidence: 0.583858142

00:47:27.610 --> 00:47:31.528 but basically is if there is.

NOTE Confidence: 0.583858142

00:47:31.530 --> 00:47:32.952 Has that one perfect?

NOTE Confidence: 0.583858142

00:47:32.952 --> 00:47:33.828 Yeah yeah, yeah.

NOTE Confidence: 0.583858142

00:47:33.828 --> 00:47:35.288 So they're all the sites

NOTE Confidence: 0.583858142

00:47:35.288 --> 00:47:36.819 that's not a COVID map though.

NOTE Confidence: 0.583858142

00:47:36.820 --> 00:47:38.884 Those are all sites where someone

NOTE Confidence: 0.583858142

00:47:38.884 --> 00:47:40.918 can go and get this study,

NOTE Confidence: 0.583858142

00:47:40.918 --> 00:47:42.234 and that's important because

NOTE Confidence: 0.583858142

00:47:42.234 --> 00:47:43.550 not everyone can travel.
NOTE Confidence: 0.583858142

00:47:43.550 --> 00:47:45.517 So that's why we have our care
NOTE Confidence: 0.583858142

00:47:45.517 --> 00:47:47.006 centers all throughout Connecticut,
NOTE Confidence: 0.583858142

00:47:47.006 --> 00:47:47.810 Rhode Island.
NOTE Confidence: 0.583858142

00:47:47.810 --> 00:47:49.250 And that's why we have these sites now.
NOTE Confidence: 0.583858142

00:47:49.250 --> 00:47:50.888 You can take away that picture for a second,
NOTE Confidence: 0.583858142

00:47:50.890 --> 00:47:51.856 go one back.
NOTE Confidence: 0.583858142

00:47:51.856 --> 00:47:53.788 What we have is basically everyone
NOTE Confidence: 0.583858142

00:47:53.788 --> 00:47:54.730 gets screened.
NOTE Confidence: 0.583858142

00:47:54.730 --> 00:47:56.480 One of the frustrations about
NOTE Confidence: 0.583858142

00:47:56.480 --> 00:47:58.116 protocols is you get screened and
NOTE Confidence: 0.583858142

00:47:58.116 --> 00:47:59.520 then you're not eligible and that
NOTE Confidence: 0.583858142

00:47:59.572 --> 00:48:01.048 will still happen with this study.
NOTE Confidence: 0.583858142

00:48:01.050 --> 00:48:02.408 But the hope is with this study.
NOTE Confidence: 0.583858142

00:48:02.410 --> 00:48:04.165 You get screened in the upper and the top.
NOTE Confidence: 0.583858142

00:48:04.170 --> 00:48:06.424 Sarah can sort of point that out

NOTE Confidence: 0.583858142

00:48:06.424 --> 00:48:08.238 screening protocols and then based on

NOTE Confidence: 0.583858142

00:48:08.238 --> 00:48:10.666 that result you can either on the left

NOTE Confidence: 0.583858142

00:48:10.666 --> 00:48:12.794 or the right you you get different

NOTE Confidence: 0.583858142

00:48:12.794 --> 00:48:15.538 drugs based on what your tumor shows.

NOTE Confidence: 0.583858142

00:48:15.538 --> 00:48:18.658 This is the personalized medicine.

NOTE Confidence: 0.583858142

00:48:18.660 --> 00:48:20.390 Putting the right drug for

NOTE Confidence: 0.583858142

00:48:20.390 --> 00:48:22.540 the cancer at the right time.

NOTE Confidence: 0.583858142

00:48:22.540 --> 00:48:24.340 So we're very proud that you know many of

NOTE Confidence: 0.583858142

00:48:24.340 --> 00:48:26.318 us here are involved that to get insured.

NOTE Confidence: 0.583858142

00:48:26.320 --> 00:48:27.856 Dr Goldberg, Dr.

NOTE Confidence: 0.583858142

00:48:27.856 --> 00:48:28.880 Chang myself,

NOTE Confidence: 0.583858142

00:48:28.880 --> 00:48:30.692 you know Jennifer Pope over there

NOTE Confidence: 0.583858142

00:48:30.692 --> 00:48:32.690 and our screen she's so important.

NOTE Confidence: 0.583858142

00:48:32.690 --> 00:48:34.436 In getting these trials open and

NOTE Confidence: 0.583858142

00:48:34.436 --> 00:48:35.946 running through the group so

NOTE Confidence: 0.583858142

00:48:35.946 --> 00:48:37.692 it's really exciting that we have
NOTE Confidence: 0.583858142

00:48:37.692 --> 00:48:39.023 these drugs available 'cause we
NOTE Confidence: 0.583858142

00:48:39.023 --> 00:48:40.430 want to be able to say OK.
NOTE Confidence: 0.583858142

00:48:40.430 --> 00:48:42.050 What's causing this tumor to grow?
NOTE Confidence: 0.583858142

00:48:42.050 --> 00:48:44.409 What's the engine Dan talked about that,
NOTE Confidence: 0.583858142

00:48:44.410 --> 00:48:45.730 and how can we get the right drug?
NOTE Confidence: 0.583858142

00:48:45.730 --> 00:48:47.396 So thanks Sarah for bringing this up.
NOTE Confidence: 0.8606060175

00:48:47.890 --> 00:48:49.026 Now this is great.
NOTE Confidence: 0.8606060175

00:48:49.026 --> 00:48:50.730 It's it's just such a wonderful
NOTE Confidence: 0.8606060175

00:48:50.791 --> 00:48:52.750 example of of a study that that
NOTE Confidence: 0.8606060175

00:48:52.750 --> 00:48:54.690 we're so involved in here at Yale.
NOTE Confidence: 0.8606060175

00:48:54.690 --> 00:48:55.390 But as you could see,
NOTE Confidence: 0.8606060175

00:48:55.390 --> 00:48:57.125 is all throughout the country
NOTE Confidence: 0.8606060175

00:48:57.125 --> 00:48:59.390 and is really making an impact.
NOTE Confidence: 0.8606060175

00:48:59.390 --> 00:49:02.198 So I I also just wanted to show this,
NOTE Confidence: 0.8606060175

00:49:02.200 --> 00:49:03.635 you know again, with all of the

NOTE Confidence: 0.8606060175

00:49:03.635 --> 00:49:04.599 different studies that we have,

NOTE Confidence: 0.8606060175

00:49:04.600 --> 00:49:06.415 we've really made amazing progress

NOTE Confidence: 0.8606060175

00:49:06.415 --> 00:49:08.230 that we've had several drugs.

NOTE Confidence: 0.8606060175

00:49:08.230 --> 00:49:10.038 You could see. Some of the examples here.

NOTE Confidence: 0.8606060175

00:49:10.040 --> 00:49:11.636 These have now been approved by the FDA.

NOTE Confidence: 0.8606060175

00:49:11.636 --> 00:49:13.325 And you, they're available as part

NOTE Confidence: 0.8606060175

00:49:13.325 --> 00:49:15.215 of standard treatment and and these

NOTE Confidence: 0.8606060175

00:49:15.215 --> 00:49:17.160 were drugs that were studied here.

NOTE Confidence: 0.8606060175

00:49:17.160 --> 00:49:18.160 And again,

NOTE Confidence: 0.8606060175

00:49:18.160 --> 00:49:20.072 this is the way to get them initially

NOTE Confidence: 0.8606060175

00:49:20.072 --> 00:49:21.641 before they were approved was on

NOTE Confidence: 0.8606060175

00:49:21.641 --> 00:49:23.195 these clinical trials and and it

NOTE Confidence: 0.8606060175

00:49:23.246 --> 00:49:25.004 was the trials that helped us

NOTE Confidence: 0.8606060175

00:49:25.004 --> 00:49:27.730 understand how beneficial they were.

NOTE Confidence: 0.8606060175

00:49:27.730 --> 00:49:29.249 Then when I showed the same picture,

NOTE Confidence: 0.8606060175

00:49:29.250 --> 00:49:30.370 I think we both really like it.
NOTE Confidence: 0.8606060175

00:49:30.370 --> 00:49:31.890 It's I think this is one of the
NOTE Confidence: 0.8606060175

00:49:31.890 --> 00:49:33.401 last times the whole team was
NOTE Confidence: 0.8606060175

00:49:33.401 --> 00:49:34.485 together before the pandemic.
NOTE Confidence: 0.8606060175

00:49:34.490 --> 00:49:35.678 Now we all see each other
NOTE Confidence: 0.8606060175

00:49:35.678 --> 00:49:36.930 on zoom calls all the time.
NOTE Confidence: 0.8606060175

00:49:36.930 --> 00:49:38.550 But this is our team.
NOTE Confidence: 0.8606060175

00:49:38.550 --> 00:49:40.110 It's a really a fantastic team.
NOTE Confidence: 0.8606060175

00:49:40.110 --> 00:49:41.950 Many different disciplines coming together
NOTE Confidence: 0.8606060175

00:49:41.950 --> 00:49:44.870 to study and treat and fight lung cancer.
NOTE Confidence: 0.8606060175

00:49:44.870 --> 00:49:46.142 And it's really a wonderful
NOTE Confidence: 0.8606060175

00:49:46.142 --> 00:49:47.115 team to be part of.
NOTE Confidence: 0.8606060175

00:49:47.115 --> 00:49:48.465 Roy mentioned this that we're at
NOTE Confidence: 0.8606060175

00:49:48.465 --> 00:49:49.669 so many different sites across
NOTE Confidence: 0.8606060175

00:49:49.669 --> 00:49:50.879 Connecticut and now Rhode Island
NOTE Confidence: 0.8606060175

00:49:50.879 --> 00:49:52.647 two and that also is wonderful and

NOTE Confidence: 0.8606060175
00:49:52.647 --> 00:49:53.897 you have some representatives from
NOTE Confidence: 0.8606060175
00:49:53.897 --> 00:49:55.775 the different sites on this panel
NOTE Confidence: 0.8606060175
00:49:55.775 --> 00:49:57.400 today which is also fantastic.
NOTE Confidence: 0.91963756
00:49:59.490 --> 00:50:03.390 Alright. So I'm going to stop
NOTE Confidence: 0.91963756
00:50:03.390 --> 00:50:05.540 sharing and open up for discussion.
NOTE Confidence: 0.91963756
00:50:05.540 --> 00:50:08.295 Maybe I'll I'll start and
NOTE Confidence: 0.91963756
00:50:08.295 --> 00:50:10.499 ask Jenn Popa question.
NOTE Confidence: 0.91963756
00:50:10.500 --> 00:50:12.410 Jen is Roy mentioned you.
NOTE Confidence: 0.91963756
00:50:12.410 --> 00:50:14.876 You're such an integral part of
NOTE Confidence: 0.91963756
00:50:14.876 --> 00:50:17.492 our our research team and I think
NOTE Confidence: 0.91963756
00:50:17.492 --> 00:50:19.774 you know all of the progress that
NOTE Confidence: 0.91963756
00:50:19.774 --> 00:50:22.133 we've we've seen in in that in
NOTE Confidence: 0.91963756
00:50:22.133 --> 00:50:24.140 clinical trials and in research.
NOTE Confidence: 0.91963756
00:50:24.140 --> 00:50:25.640 There's a whole engine behind it,
NOTE Confidence: 0.91963756
00:50:25.640 --> 00:50:27.005 and you're such a part of that.
NOTE Confidence: 0.91963756

00:50:27.010 --> 00:50:28.710 To make all these trials,
NOTE Confidence: 0.91963756

00:50:28.710 --> 00:50:32.007 these trials work, which is just fantastic.
NOTE Confidence: 0.91963756

00:50:32.010 --> 00:50:33.487 There's a lot of questions that often
NOTE Confidence: 0.91963756

00:50:33.487 --> 00:50:35.000 come up about logistics of trials,
NOTE Confidence: 0.91963756

00:50:35.000 --> 00:50:36.498 and I would love to just hear
NOTE Confidence: 0.91963756

00:50:36.498 --> 00:50:37.858 your thoughts on this and and
NOTE Confidence: 0.91963756

00:50:37.858 --> 00:50:38.963 how you think about this.
NOTE Confidence: 0.91963756

00:50:38.970 --> 00:50:41.150 Tell us about, you know,
NOTE Confidence: 0.91963756

00:50:41.150 --> 00:50:41.945 just again, logistically,
NOTE Confidence: 0.91963756

00:50:41.945 --> 00:50:43.535 how does it work for patients
NOTE Confidence: 0.91963756

00:50:43.535 --> 00:50:44.689 when they're on a trial?
NOTE Confidence: 0.91963756

00:50:44.690 --> 00:50:46.244 Do they have to pay for them?
NOTE Confidence: 0.91963756

00:50:46.250 --> 00:50:47.786 Do they always have to travel
NOTE Confidence: 0.91963756

00:50:47.786 --> 00:50:48.810 to to New Haven?
NOTE Confidence: 0.91963756

00:50:48.810 --> 00:50:49.790 Or the main campus?
NOTE Confidence: 0.91963756

00:50:49.790 --> 00:50:51.260 Or how does it work logistically?

NOTE Confidence: 0.9035538825

00:50:52.890 --> 00:50:55.810 Well, we have a team to help first,

NOTE Confidence: 0.9035538825

00:50:55.810 --> 00:51:00.698 so I have a staff of nurses who some of some

NOTE Confidence: 0.9035538825

00:51:00.700 --> 00:51:04.260 of the participants may have met before.

NOTE Confidence: 0.9035538825

00:51:04.260 --> 00:51:07.200 Heather and Alan, who are our research

NOTE Confidence: 0.9035538825

00:51:07.200 --> 00:51:10.167 nurses and when we think a trial

NOTE Confidence: 0.9035538825

00:51:10.167 --> 00:51:12.597 might be appropriate for a patient,

NOTE Confidence: 0.9035538825

00:51:12.600 --> 00:51:14.558 usually you meet with one of them

NOTE Confidence: 0.9035538825

00:51:14.558 --> 00:51:16.677 first and they go through a consent

NOTE Confidence: 0.9035538825

00:51:16.677 --> 00:51:19.001 form with you and they talk about

NOTE Confidence: 0.9035538825

00:51:19.001 --> 00:51:20.793 the trial and the requirements

NOTE Confidence: 0.9035538825

00:51:20.793 --> 00:51:23.257 of the study as it was mentioned.

NOTE Confidence: 0.9035538825

00:51:23.260 --> 00:51:24.318 There tonight,

NOTE Confidence: 0.9035538825

00:51:24.318 --> 00:51:27.492 often clinical trial has more requirements

NOTE Confidence: 0.9035538825

00:51:27.492 --> 00:51:30.300 for patients than standard therapy,

NOTE Confidence: 0.9035538825

00:51:30.300 --> 00:51:32.787 so will tell you what those are and

NOTE Confidence: 0.9035538825

00:51:32.787 --> 00:51:34.936 will talk to you about the cost.
NOTE Confidence: 0.9035538825

00:51:34.940 --> 00:51:38.468 So typically anything that would be an
NOTE Confidence: 0.9035538825

00:51:38.468 --> 00:51:40.752 extra requirement is covered by the
NOTE Confidence: 0.9035538825

00:51:40.752 --> 00:51:43.513 clinical trial and anything that would
NOTE Confidence: 0.9035538825

00:51:43.513 --> 00:51:45.690 be a part of your normal treatment
NOTE Confidence: 0.9035538825

00:51:45.748 --> 00:51:48.470 is covered by you or your insurance,
NOTE Confidence: 0.9035538825

00:51:48.470 --> 00:51:50.770 just like it normally would.
NOTE Confidence: 0.9035538825

00:51:50.770 --> 00:51:53.870 And of course everything is is voluntary,
NOTE Confidence: 0.9035538825

00:51:53.870 --> 00:51:55.226 so we present it to you.
NOTE Confidence: 0.9035538825

00:51:55.230 --> 00:51:57.343 And we talked to you about possible
NOTE Confidence: 0.9035538825

00:51:57.343 --> 00:51:59.954 alternatives and then it's up to you
NOTE Confidence: 0.9035538825

00:51:59.954 --> 00:52:02.468 whether you'd like to participate or not.
NOTE Confidence: 0.9035538825

00:52:02.470 --> 00:52:05.294 And of course people can change their mind
NOTE Confidence: 0.9035538825

00:52:05.294 --> 00:52:08.016 at later time if they if they decide.
NOTE Confidence: 0.9035538825

00:52:08.020 --> 00:52:08.490 Great
NOTE Confidence: 0.917339128333333

00:52:08.810 --> 00:52:11.270 thank you for explaining all that.

NOTE Confidence: 0.917339128333333

00:52:11.270 --> 00:52:13.286 I just wanted to take a second and

NOTE Confidence: 0.917339128333333

00:52:13.286 --> 00:52:14.974 have Lisa Fucito introduced herself

NOTE Confidence: 0.917339128333333

00:52:14.974 --> 00:52:17.224 'cause she just joined the panel.

NOTE Confidence: 0.917339128333333

00:52:17.230 --> 00:52:19.382 He said do you want to just introduce

NOTE Confidence: 0.917339128333333

00:52:19.382 --> 00:52:22.884 yourself to to our or participants here we

NOTE Confidence: 0.917339128333333

00:52:22.884 --> 00:52:27.288 have a whole group of people who are very.

NOTE Confidence: 0.917339128333333

00:52:27.290 --> 00:52:29.058 Interactive on our chat so I will be

NOTE Confidence: 0.917339128333333

00:52:29.058 --> 00:52:30.635 asking you some questions but introduce

NOTE Confidence: 0.917339128333333

00:52:30.635 --> 00:52:32.510 yourself so they know who you are.

NOTE Confidence: 0.964797586666667

00:52:33.590 --> 00:52:34.460 Sure, thanks for

NOTE Confidence: 0.956813558571428

00:52:34.470 --> 00:52:36.409 having me and I apologize for forgetting

NOTE Confidence: 0.763384926

00:52:36.420 --> 00:52:38.550 I'm late. I'm Lisa Bushido.

NOTE Confidence: 0.763384926

00:52:38.550 --> 00:52:40.310 I'm the director of the Tobacco Treatment

NOTE Confidence: 0.920086816666667

00:52:40.320 --> 00:52:42.126 Service at SMILOW and I'm very pleased

NOTE Confidence: 0.920086816666667

00:52:42.126 --> 00:52:44.429 to say that we are now represented across

NOTE Confidence: 0.920086816666667

00:52:44.429 --> 00:52:46.270 our care network across the state,
NOTE Confidence: 0.920086816666667

00:52:46.270 --> 00:52:48.912 so that that was a wonderful IT improvement
NOTE Confidence: 0.920086816666667

00:52:48.912 --> 00:52:51.030 that we made over the last couple of years.
NOTE Confidence: 0.920086816666667

00:52:51.030 --> 00:52:52.319 I'm also a clinical psychologist
NOTE Confidence: 0.920086816666667

00:52:52.319 --> 00:52:54.314 by training an associate professor
NOTE Confidence: 0.920086816666667

00:52:54.314 --> 00:52:55.910 in the Psychiatry department,
NOTE Confidence: 0.920086816666667

00:52:55.910 --> 00:52:57.838 and in addition to running the
NOTE Confidence: 0.920086816666667

00:52:57.838 --> 00:52:59.656 service and and helping individuals
NOTE Confidence: 0.920086816666667

00:52:59.656 --> 00:53:01.440 stop their tobacco use,
NOTE Confidence: 0.920086816666667

00:53:01.440 --> 00:53:02.970 I run a bunch of clinical
NOTE Confidence: 0.920086816666667

00:53:02.970 --> 00:53:04.499 trials where we try to test.
NOTE Confidence: 0.920086816666667

00:53:04.500 --> 00:53:07.104 Innovative strategies to try to bring
NOTE Confidence: 0.920086816666667

00:53:07.104 --> 00:53:09.220 tobacco treatment into oncology care.
NOTE Confidence: 0.920086816666667

00:53:09.220 --> 00:53:12.136 We're also testing some of the
NOTE Confidence: 0.920086816666667

00:53:12.136 --> 00:53:14.481 alternative products that have come
NOTE Confidence: 0.920086816666667

00:53:14.481 --> 00:53:16.280 out and looking at the potential

NOTE Confidence: 0.920086816666667
00:53:16.280 --> 00:53:18.050 safety profiles of those products as
NOTE Confidence: 0.920086816666667
00:53:18.101 --> 00:53:19.935 well as the option for harm reduction.
NOTE Confidence: 0.920086816666667
00:53:19.940 --> 00:53:21.596 So pleased to be a part of the panel
NOTE Confidence: 0.920086816666667
00:53:21.596 --> 00:53:23.027 and happy to answer any questions
NOTE Confidence: 0.920086816666667
00:53:23.027 --> 00:53:23.987 that may come up.
NOTE Confidence: 0.916044863333333
00:53:25.380 --> 00:53:27.819 Greatly so thank you so much for joining us.
NOTE Confidence: 0.916044863333333
00:53:27.820 --> 00:53:29.370 Don't leave yourself yet so
NOTE Confidence: 0.916044863333333
00:53:29.370 --> 00:53:31.580 I'm gonna ask you a question.
NOTE Confidence: 0.916044863333333
00:53:31.580 --> 00:53:33.902 You know, I think there's a lot of of.
NOTE Confidence: 0.82424577
00:53:35.350 --> 00:53:36.310 Like I mean things
NOTE Confidence: 0.917155632857143
00:53:36.320 --> 00:53:37.892 that are unclear about E cigarettes
NOTE Confidence: 0.917155632857143
00:53:37.892 --> 00:53:39.909 out there and and how we should think
NOTE Confidence: 0.917155632857143
00:53:39.909 --> 00:53:42.068 about them in terms of the risk and can
NOTE Confidence: 0.917155632857143
00:53:42.068 --> 00:53:43.776 they help you quit smoking? Can you?
NOTE Confidence: 0.917155632857143
00:53:43.776 --> 00:53:45.640 Can you talk a little bit about that
NOTE Confidence: 0.917155632857143

00:53:45.698 --> 00:53:47.434 and things that you're doing to try
NOTE Confidence: 0.917155632857143

00:53:47.434 --> 00:53:49.050 to come to understand that better?
NOTE Confidence: 0.7987834

00:53:51.350 --> 00:53:52.884 Yeah, great questions and you
NOTE Confidence: 0.7987834

00:53:52.884 --> 00:53:54.600 know it's so confusing because you
NOTE Confidence: 0.9296146465

00:53:54.654 --> 00:53:56.586 know these products came into the United
NOTE Confidence: 0.9296146465

00:53:56.586 --> 00:53:58.888 States in about 2007 and they continue
NOTE Confidence: 0.9296146465

00:53:58.888 --> 00:54:01.542 to evolve and the technology you know
NOTE Confidence: 0.9296146465

00:54:01.542 --> 00:54:03.380 continues to expand year to year.
NOTE Confidence: 0.9296146465

00:54:03.380 --> 00:54:05.620 So the number of products and different
NOTE Confidence: 0.913188608333333

00:54:05.630 --> 00:54:07.178 devices you can use in flavor.
NOTE Confidence: 0.913188608333333

00:54:07.180 --> 00:54:08.500 I mean it's it's numerous so it's
NOTE Confidence: 0.913188608333333

00:54:08.500 --> 00:54:09.828 it's really. It's a confusing
NOTE Confidence: 0.926484248333333

00:54:09.840 --> 00:54:11.178 market I think for a consumer,
NOTE Confidence: 0.926484248333333

00:54:11.180 --> 00:54:13.574 let alone those of us who are
NOTE Confidence: 0.926484248333333

00:54:13.574 --> 00:54:15.669 trying to treat the behavior.
NOTE Confidence: 0.926484248333333

00:54:15.670 --> 00:54:17.460 So I think that's the big.

NOTE Confidence: 0.926484248333333
00:54:17.460 --> 00:54:19.130 That's the big question, right?
NOTE Confidence: 0.926484248333333
00:54:19.130 --> 00:54:20.105 You know they were introduced.
NOTE Confidence: 0.926484248333333
00:54:20.105 --> 00:54:22.085 With the hope that they could
NOTE Confidence: 0.926484248333333
00:54:22.085 --> 00:54:24.335 potentially help people who are smoking
NOTE Confidence: 0.926484248333333
00:54:24.335 --> 00:54:26.246 transition to this as an alternative,
NOTE Confidence: 0.926484248333333
00:54:26.250 --> 00:54:29.169 the thought being that perhaps by not
NOTE Confidence: 0.926484248333333
00:54:29.169 --> 00:54:31.516 smoking actual tobacco and transitioning
NOTE Confidence: 0.926484248333333
00:54:31.516 --> 00:54:34.576 the nicotine delivery to this alternative
NOTE Confidence: 0.926484248333333
00:54:34.576 --> 00:54:37.835 system that perhaps it might offer a
NOTE Confidence: 0.926484248333333
00:54:37.835 --> 00:54:40.370 harm reduction profile or potential,
NOTE Confidence: 0.926484248333333
00:54:40.370 --> 00:54:42.414 but there's a lot that's
NOTE Confidence: 0.926484248333333
00:54:42.414 --> 00:54:43.898 come with these products.
NOTE Confidence: 0.926484248333333
00:54:43.900 --> 00:54:44.822 So unfortunately,
NOTE Confidence: 0.926484248333333
00:54:44.822 --> 00:54:46.666 because they're flavored now,
NOTE Confidence: 0.926484248333333
00:54:46.670 --> 00:54:48.650 we see a lot of young people who might not
NOTE Confidence: 0.926484248333333

00:54:48.702 --> 00:54:50.634 have ever turned to tobacco and nicotine.

NOTE Confidence: 0.926484248333333

00:54:50.640 --> 00:54:52.770 Products now starting to use them,

NOTE Confidence: 0.926484248333333

00:54:52.770 --> 00:54:54.300 and I think if you could,

NOTE Confidence: 0.926484248333333

00:54:54.300 --> 00:54:55.818 you know never start using any

NOTE Confidence: 0.926484248333333

00:54:55.818 --> 00:54:56.830 tobacco or nicotine products.

NOTE Confidence: 0.926484248333333

00:54:56.830 --> 00:54:58.090 That would be a good thing.

NOTE Confidence: 0.926484248333333

00:54:58.090 --> 00:54:59.850 So so that's a concern.

NOTE Confidence: 0.926484248333333

00:55:00.140 --> 00:55:00.770 Also,

NOTE Confidence: 0.927354814

00:55:00.780 --> 00:55:02.010 I think a concern is

NOTE Confidence: 0.944896485555555

00:55:02.470 --> 00:55:04.125 just the amount of nicotine

NOTE Confidence: 0.944896485555555

00:55:04.125 --> 00:55:05.449 that they can deliver.

NOTE Confidence: 0.944896485555555

00:55:05.450 --> 00:55:07.244 People are now getting exposed to

NOTE Confidence: 0.944896485555555

00:55:07.244 --> 00:55:09.200 nicotine levels that are much higher

NOTE Confidence: 0.944896485555555

00:55:09.262 --> 00:55:11.002 than they would have otherwise

NOTE Confidence: 0.944896485555555

00:55:11.002 --> 00:55:12.742 if they were smoking cigarettes.

NOTE Confidence: 0.944896485555555

00:55:12.750 --> 00:55:15.006 And so while the nicotine itself

NOTE Confidence: 0.944896485555555

00:55:15.006 --> 00:55:16.510 isn't isn't really dangerous,

NOTE Confidence: 0.944896485555555

00:55:16.510 --> 00:55:18.930 I think just the fact that people can very

NOTE Confidence: 0.944896485555555

00:55:18.930 --> 00:55:21.467 quickly start to use an amount of nicotine.

NOTE Confidence: 0.944896485555555

00:55:21.470 --> 00:55:23.806 That they're not used to their their

NOTE Confidence: 0.944896485555555

00:55:23.806 --> 00:55:26.078 dependence levels and other things I can

NOTE Confidence: 0.944896485555555

00:55:26.078 --> 00:55:28.530 come with being dependent on nicotine.

NOTE Confidence: 0.944896485555555

00:55:28.530 --> 00:55:30.993 It's just that that trajectory just

NOTE Confidence: 0.944896485555555

00:55:30.993 --> 00:55:32.414 grows so much more quickly than I

NOTE Confidence: 0.944896485555555

00:55:32.414 --> 00:55:33.948 think it used to for other people.

NOTE Confidence: 0.944896485555555

00:55:33.950 --> 00:55:35.231 But back to the question of does

NOTE Confidence: 0.944896485555555

00:55:35.231 --> 00:55:36.020 it help people stop?

NOTE Confidence: 0.944896485555555

00:55:36.020 --> 00:55:39.082 Isn't an alternative right now?

NOTE Confidence: 0.944896485555555

00:55:39.082 --> 00:55:40.762 The most of the data suggests

NOTE Confidence: 0.944896485555555

00:55:40.762 --> 00:55:41.740 that while there,

NOTE Confidence: 0.944896485555555

00:55:41.740 --> 00:55:42.940 there is the potential that

NOTE Confidence: 0.944896485555555

00:55:42.940 --> 00:55:44.850 it may help some people.
NOTE Confidence: 0.9448964855555555

00:55:44.850 --> 00:55:46.850 There's been large scale controlled
NOTE Confidence: 0.9448964855555555

00:55:46.850 --> 00:55:48.740 trials that have compared it to using
NOTE Confidence: 0.9448964855555555

00:55:48.740 --> 00:55:50.490 for example the nicotine patch.
NOTE Confidence: 0.9448964855555555

00:55:50.490 --> 00:55:51.826 And there's there's some.
NOTE Confidence: 0.9448964855555555

00:55:51.826 --> 00:55:53.496 Data that suggests that perhaps
NOTE Confidence: 0.9448964855555555

00:55:53.500 --> 00:55:55.606 it might be kind of on par with,
NOTE Confidence: 0.9448964855555555

00:55:55.610 --> 00:55:57.026 you know, using the nicotine patch,
NOTE Confidence: 0.9448964855555555

00:55:57.030 --> 00:55:58.690 or maybe a tiny bit better.
NOTE Confidence: 0.892283695

00:55:59.320 --> 00:56:00.448 People don't usually stop
NOTE Confidence: 0.87600318375

00:56:00.480 --> 00:56:01.323 using the product,
NOTE Confidence: 0.87600318375

00:56:01.323 --> 00:56:03.290 so you know a year out someone
NOTE Confidence: 0.87600318375

00:56:03.356 --> 00:56:05.366 might still be using any cigarette,
NOTE Confidence: 0.87600318375

00:56:05.370 --> 00:56:07.410 whereas with the nicotine patch most
NOTE Confidence: 0.87600318375

00:56:07.410 --> 00:56:09.876 people would have stopped and so we
NOTE Confidence: 0.87600318375

00:56:09.876 --> 00:56:11.592 don't know what the long term effects

NOTE Confidence: 0.87600318375

00:56:11.592 --> 00:56:14.120 are going to be of using an E cigarette.

NOTE Confidence: 0.87600318375

00:56:14.120 --> 00:56:16.122 The short term data that we have

NOTE Confidence: 0.87600318375

00:56:16.122 --> 00:56:17.769 suggests that if you took a

NOTE Confidence: 0.87600318375

00:56:17.769 --> 00:56:19.038 cigarette versus an E cigarette,

NOTE Confidence: 0.87600318375

00:56:19.040 --> 00:56:21.497 probably the short term health effects are.

NOTE Confidence: 0.87600318375

00:56:21.500 --> 00:56:23.525 Are not as bad with an E cigarette,

NOTE Confidence: 0.87600318375

00:56:23.525 --> 00:56:25.760 but we don't really know long

NOTE Confidence: 0.87600318375

00:56:25.760 --> 00:56:27.420 term what the effects will be,

NOTE Confidence: 0.87600318375

00:56:27.420 --> 00:56:29.359 and so that's a concern that people

NOTE Confidence: 0.87600318375

00:56:29.359 --> 00:56:31.885 tend to go on to continue to use them.

NOTE Confidence: 0.87600318375

00:56:31.890 --> 00:56:33.647 But the other concern is that most

NOTE Confidence: 0.87600318375

00:56:33.647 --> 00:56:35.816 people who use E cigarettes who were a

NOTE Confidence: 0.87600318375

00:56:35.816 --> 00:56:37.484 cigarette smoker continue to be what

NOTE Confidence: 0.87600318375

00:56:37.484 --> 00:56:39.453 we call dual users, so they don't.

NOTE Confidence: 0.87600318375

00:56:39.453 --> 00:56:41.515 They don't actually go on to stop smoking,

NOTE Confidence: 0.87600318375

00:56:41.515 --> 00:56:44.228 they actually go on to continue to use both.

NOTE Confidence: 0.87600318375

00:56:44.230 --> 00:56:46.534 And if there is a harm reduction benefit,

NOTE Confidence: 0.87600318375

00:56:46.540 --> 00:56:48.436 it's really for people who completely

NOTE Confidence: 0.87600318375

00:56:48.436 --> 00:56:50.574 switched to E cigarettes and the data

NOTE Confidence: 0.87600318375

00:56:50.574 --> 00:56:52.206 is just not really supporting that.

NOTE Confidence: 0.87600318375

00:56:52.210 --> 00:56:54.846 It's it's helping people to to

NOTE Confidence: 0.87600318375

00:56:54.846 --> 00:56:56.334 make that switch so,

NOTE Confidence: 0.87600318375

00:56:56.340 --> 00:56:58.630 so that's kind of kind of where we stand.

NOTE Confidence: 0.87600318375

00:56:58.630 --> 00:57:00.655 I think at this point you know we continue

NOTE Confidence: 0.87600318375

00:57:00.655 --> 00:57:02.928 to recommend and advise individuals to use,

NOTE Confidence: 0.87600318375

00:57:02.930 --> 00:57:03.596 you know,

NOTE Confidence: 0.87600318375

00:57:03.596 --> 00:57:04.928 the FDA approved medications,

NOTE Confidence: 0.87600318375

00:57:04.930 --> 00:57:06.918 but if if someone is coming in

NOTE Confidence: 0.87600318375

00:57:06.918 --> 00:57:08.440 and they are just not,

NOTE Confidence: 0.87600318375

00:57:08.440 --> 00:57:11.275 you know they don't want to choose that path.

NOTE Confidence: 0.87600318375

00:57:11.280 --> 00:57:13.458 We obviously open up the dialogue

NOTE Confidence: 0.87600318375

00:57:13.458 --> 00:57:14.910 to consider E cigarettes,

NOTE Confidence: 0.87600318375

00:57:14.910 --> 00:57:17.742 but we really advise people you want

NOTE Confidence: 0.87600318375

00:57:17.742 --> 00:57:19.674 to be on the lowest dose possible

NOTE Confidence: 0.87600318375

00:57:19.674 --> 00:57:21.690 for the shortest amount of time,

NOTE Confidence: 0.87600318375

00:57:21.690 --> 00:57:23.840 and you want to absolutely not smoke.

NOTE Confidence: 0.87600318375

00:57:23.840 --> 00:57:25.030 And then you have to come off

NOTE Confidence: 0.87600318375

00:57:25.030 --> 00:57:25.540 of this product.

NOTE Confidence: 0.87600318375

00:57:25.540 --> 00:57:26.224 And that's really,

NOTE Confidence: 0.87600318375

00:57:26.224 --> 00:57:26.680 you know,

NOTE Confidence: 0.87600318375

00:57:26.680 --> 00:57:28.480 kind of the framework that we are advising.

NOTE Confidence: 0.87600318375

00:57:28.480 --> 00:57:29.560 And interestingly,

NOTE Confidence: 0.87600318375

00:57:29.560 --> 00:57:31.310 we are now seeing a lot more people

NOTE Confidence: 0.87600318375

00:57:31.310 --> 00:57:32.967 in our program coming in specifically

NOTE Confidence: 0.87600318375

00:57:32.967 --> 00:57:34.547 for E cigarette dependence.

NOTE Confidence: 0.9145125133333333

00:57:36.650 --> 00:57:40.675 You're doing amazing work. Thank you, Dan.

NOTE Confidence: 0.9145125133333333

00:57:40.675 --> 00:57:43.350 There's a question from earlier,
NOTE Confidence: 0.9145125133333333

00:57:43.350 --> 00:57:44.910 I think, about something that you
NOTE Confidence: 0.9145125133333333

00:57:44.910 --> 00:57:46.558 mentioned in your talk and I just
NOTE Confidence: 0.9145125133333333

00:57:46.558 --> 00:57:48.870 wanted to to hear your thoughts
NOTE Confidence: 0.9145125133333333

00:57:48.870 --> 00:57:51.295 on this about life expectancy.
NOTE Confidence: 0.9145125133333333

00:57:51.300 --> 00:57:52.556 That has kept quadrupled.
NOTE Confidence: 0.9145125133333333

00:57:52.556 --> 00:57:54.800 Tell us a little more about that.
NOTE Confidence: 0.9145125133333333

00:57:54.800 --> 00:57:59.310 So yeah, the. The first
NOTE Confidence: 0.9045315

00:57:59.310 --> 00:58:03.350 thing to know about life expectancy is if
NOTE Confidence: 0.9045315

00:58:03.350 --> 00:58:08.210 you look online you will see for each stage.
NOTE Confidence: 0.9045315

00:58:08.210 --> 00:58:10.712 Median survival like on average people
NOTE Confidence: 0.9045315

00:58:10.712 --> 00:58:13.529 will live a certain amount of time,
NOTE Confidence: 0.9045315

00:58:13.530 --> 00:58:16.127 or they'll say they'll have a survival
NOTE Confidence: 0.9045315

00:58:16.127 --> 00:58:19.347 curve and it's called the five year survival
NOTE Confidence: 0.9045315

00:58:19.350 --> 00:58:22.374 and the first thing people think well,
NOTE Confidence: 0.9045315

00:58:22.380 --> 00:58:24.666 does that mean at five years

NOTE Confidence: 0.9045315

00:58:24.666 --> 00:58:26.190 everybody just drops dead?

NOTE Confidence: 0.9045315

00:58:26.190 --> 00:58:28.542 No, the the five year survival

NOTE Confidence: 0.9045315

00:58:28.542 --> 00:58:30.893 we think we're alive at five

NOTE Confidence: 0.9045315

00:58:30.893 --> 00:58:33.343 years we consider you a cure now.

NOTE Confidence: 0.9045315

00:58:33.350 --> 00:58:35.726 Not everybody that makes it to five years

NOTE Confidence: 0.9045315

00:58:35.726 --> 00:58:38.348 does and not everybody that that makes 25.

NOTE Confidence: 0.9045315

00:58:38.350 --> 00:58:39.850 Years for free,

NOTE Confidence: 0.9045315

00:58:39.850 --> 00:58:43.350 but that's just sort of the language

NOTE Confidence: 0.9045315

00:58:43.448 --> 00:58:46.706 of of cancer is around 5 year survival.

NOTE Confidence: 0.9045315

00:58:46.710 --> 00:58:50.294 But what people won't tell you is.

NOTE Confidence: 0.9045315

00:58:50.300 --> 00:58:54.025 Almost nobody survives what their

NOTE Confidence: 0.9045315

00:58:54.025 --> 00:58:56.468 predicted to, so it's just a.

NOTE Confidence: 0.9045315

00:58:56.468 --> 00:58:57.179 It's a really.

NOTE Confidence: 0.9045315

00:58:57.180 --> 00:59:00.430 It gives you an idea of what groups will do,

NOTE Confidence: 0.9045315

00:59:00.430 --> 00:59:03.566 but it really has no implications

NOTE Confidence: 0.9045315

00:59:03.566 --> 00:59:07.737 for you specifically because the

NOTE Confidence: 0.9045315

00:59:07.737 --> 00:59:09.579 people may be older than you.

NOTE Confidence: 0.9045315

00:59:09.580 --> 00:59:12.254 They may be less healthy than you.

NOTE Confidence: 0.9045315

00:59:12.260 --> 00:59:14.796 You may have three things and and most

NOTE Confidence: 0.9045315

00:59:14.796 --> 00:59:17.026 people in there have 20 things you

NOTE Confidence: 0.9045315

00:59:17.026 --> 00:59:19.479 may have had just one lobe removed,

NOTE Confidence: 0.9045315

00:59:19.480 --> 00:59:20.377 or two lobes.

NOTE Confidence: 0.9045315

00:59:20.377 --> 00:59:22.171 Removed and some of those people

NOTE Confidence: 0.9045315

00:59:22.171 --> 00:59:23.966 had three lobes removed and you

NOTE Confidence: 0.9045315

00:59:23.966 --> 00:59:26.240 may have never had a heart attack,

NOTE Confidence: 0.9045315

00:59:26.240 --> 00:59:28.506 so there really is the,

NOTE Confidence: 0.9045315

00:59:28.506 --> 00:59:31.674 so I would not ever take a survival

NOTE Confidence: 0.9045315

00:59:31.674 --> 00:59:34.265 number off the Internet and think

NOTE Confidence: 0.9045315

00:59:34.265 --> 00:59:37.558 that is what's going to apply to you.

NOTE Confidence: 0.9045315

00:59:37.560 --> 00:59:39.768 And the way I frame it with patients

NOTE Confidence: 0.9045315

00:59:39.768 --> 00:59:41.784 because I because I am a part time

NOTE Confidence: 0.9045315

00:59:41.784 --> 00:59:43.770 from a part of the country where

NOTE Confidence: 0.9045315

00:59:43.770 --> 00:59:45.750 we do say things pretty plainly

NOTE Confidence: 0.9045315

00:59:45.750 --> 00:59:47.456 where I'm from the Midwest.

NOTE Confidence: 0.9045315

00:59:47.456 --> 00:59:49.798 And by the way, I'd like to think of things.

NOTE Confidence: 0.9045315

00:59:49.800 --> 00:59:51.966 Are you more or less likely

NOTE Confidence: 0.9045315

00:59:51.966 --> 00:59:54.022 to be cured and are you?

NOTE Confidence: 0.9045315

00:59:54.022 --> 00:59:55.966 Is there hope and are you

NOTE Confidence: 0.9045315

00:59:55.966 --> 00:59:57.840 doing everything possible?

NOTE Confidence: 0.9045315

00:59:57.840 --> 00:59:59.500 Those are the big things.

NOTE Confidence: 0.9045315

00:59:59.500 --> 01:00:01.870 Everything else is just so imprecise

NOTE Confidence: 0.9045315

01:00:01.870 --> 01:00:04.518 that I wouldn't get hung up on it.

NOTE Confidence: 0.9045315

01:00:04.520 --> 01:00:06.746 So what do I mean by quadrupling?

NOTE Confidence: 0.9045315

01:00:06.750 --> 01:00:08.280 Well, this is a scary number.

NOTE Confidence: 0.9045315

01:00:08.280 --> 01:00:10.230 So believe it or not,

NOTE Confidence: 0.9045315

01:00:10.230 --> 01:00:10.970 uhm.

NOTE Confidence: 0.925243827222222

01:00:14.720 --> 01:00:16.212 UH-55 ten years ago,
NOTE Confidence: 0.925243827222222

01:00:16.212 --> 01:00:18.918 the chance of being alive at five
NOTE Confidence: 0.925243827222222

01:00:18.918 --> 01:00:21.648 years with stage four cancer was 5%.
NOTE Confidence: 0.925243827222222

01:00:21.650 --> 01:00:24.240 Now it's 20% now does that mean
NOTE Confidence: 0.925243827222222

01:00:24.240 --> 01:00:26.057 everybody with stage four cancer
NOTE Confidence: 0.925243827222222

01:00:26.057 --> 01:00:28.140 has an 80% chance of not making it?
NOTE Confidence: 0.925243827222222

01:00:28.140 --> 01:00:29.403 No, it's it's.
NOTE Confidence: 0.925243827222222

01:00:29.403 --> 01:00:31.929 It's such a moving target that
NOTE Confidence: 0.925243827222222

01:00:31.929 --> 01:00:33.920 honestly we don't even know,
NOTE Confidence: 0.925243827222222

01:00:33.920 --> 01:00:37.280 but the early it's like watching the
NOTE Confidence: 0.925243827222222

01:00:37.280 --> 01:00:39.639 presidential election with early data.
NOTE Confidence: 0.925243827222222

01:00:39.640 --> 01:00:41.817 You know things change, but but it's.
NOTE Confidence: 0.925243827222222

01:00:41.820 --> 01:00:44.865 Already looking good the the early vote.
NOTE Confidence: 0.925243827222222

01:00:44.870 --> 01:00:47.250 The early ballots haven't been counted and
NOTE Confidence: 0.925243827222222

01:00:47.250 --> 01:00:49.470 the the candidate you want is winning.
NOTE Confidence: 0.925243827222222

01:00:49.470 --> 01:00:52.930 So I would say based on what we know already,

NOTE Confidence: 0.925243827222222

01:00:52.930 --> 01:00:55.037 which it doesn't take into consideration a

NOTE Confidence: 0.925243827222222

01:00:55.037 --> 01:00:57.368 whole bunch of innovations that have hit.

NOTE Confidence: 0.925243827222222

01:00:57.370 --> 01:00:58.810 It's already quadrupled,

NOTE Confidence: 0.925243827222222

01:00:58.810 --> 01:01:02.170 so I would anticipate it to do

NOTE Confidence: 0.925243827222222

01:01:02.257 --> 01:01:04.364 a lot more in somebody.

NOTE Confidence: 0.925243827222222

01:01:04.364 --> 01:01:09.300 So Peter struck a nerve here about outcomes

NOTE Confidence: 0.925243827222222

01:01:09.418 --> 01:01:13.830 in rank and so I do have to tell you so.

NOTE Confidence: 0.925243827222222

01:01:13.830 --> 01:01:17.344 Outcomes it's a fair question and and

NOTE Confidence: 0.925243827222222

01:01:17.344 --> 01:01:20.848 the the chance of of not surviving

NOTE Confidence: 0.925243827222222

01:01:20.848 --> 01:01:24.274 surgery is is lower here than than

NOTE Confidence: 0.925243827222222

01:01:24.274 --> 01:01:27.655 the majority of places in the area,

NOTE Confidence: 0.925243827222222

01:01:27.660 --> 01:01:28.688 if not the country.

NOTE Confidence: 0.925243827222222

01:01:28.688 --> 01:01:31.715 So in my hands with my team the chance of

NOTE Confidence: 0.925243827222222

01:01:31.715 --> 01:01:33.881 not surviving lung cancer surgery nationally,

NOTE Confidence: 0.925243827222222

01:01:33.881 --> 01:01:36.618 it's about 5% in on my team,

NOTE Confidence: 0.925243827222222

01:01:36.620 --> 01:01:38.580 it's significantly less than 1%,
NOTE Confidence: 0.925243827222222

01:01:38.580 --> 01:01:40.476 so safety is something we live
NOTE Confidence: 0.925243827222222

01:01:40.476 --> 01:01:42.240 and breathe and it's not me.
NOTE Confidence: 0.925243827222222

01:01:42.240 --> 01:01:45.350 It's my nurses, my PA's.
NOTE Confidence: 0.925243827222222

01:01:45.350 --> 01:01:46.244 My OR team.
NOTE Confidence: 0.925243827222222

01:01:46.244 --> 01:01:49.345 It's it's so safety here is is something we
NOTE Confidence: 0.925243827222222

01:01:49.345 --> 01:01:52.165 take incredibly safely and so seriously.
NOTE Confidence: 0.925243827222222

01:01:52.170 --> 01:01:54.954 And all of my partners do as well.
NOTE Confidence: 0.925243827222222

01:01:54.960 --> 01:01:59.213 The state of Connecticut in 2020 was tide,
NOTE Confidence: 0.925243827222222

01:01:59.213 --> 01:02:03.544 or maybe it was 2019 was tide for
NOTE Confidence: 0.925243827222222

01:02:03.544 --> 01:02:05.799 the lowest lung cancer mortality
NOTE Confidence: 0.925243827222222

01:02:05.799 --> 01:02:08.846 in the country and don't ask me
NOTE Confidence: 0.925243827222222

01:02:08.846 --> 01:02:11.487 what the other state was 'cause
NOTE Confidence: 0.925243827222222

01:02:11.487 --> 01:02:14.345 I don't remember but and we do,
NOTE Confidence: 0.925243827222222

01:02:14.345 --> 01:02:16.535 the majority were the biggest provider
NOTE Confidence: 0.925243827222222

01:02:16.535 --> 01:02:18.834 for lung cancer in the state and

NOTE Confidence: 0.925243827222222
01:02:18.834 --> 01:02:21.178 so we take pride in that number.
NOTE Confidence: 0.925243827222222
01:02:21.180 --> 01:02:24.378 I will say about rankings though.
NOTE Confidence: 0.925243827222222
01:02:24.380 --> 01:02:25.114 You know,
NOTE Confidence: 0.925243827222222
01:02:25.114 --> 01:02:27.316 being the best means you failed
NOTE Confidence: 0.925243827222222
01:02:27.316 --> 01:02:29.350 the least at being perfect.
NOTE Confidence: 0.925243827222222
01:02:29.350 --> 01:02:29.876 We don't,
NOTE Confidence: 0.925243827222222
01:02:29.876 --> 01:02:31.980 but we're not lasard in on being the
NOTE Confidence: 0.925243827222222
01:02:32.041 --> 01:02:34.155 best were lasered in on being better.
NOTE Confidence: 0.925243827222222
01:02:34.160 --> 01:02:35.360 So that is our goal.
NOTE Confidence: 0.925243827222222
01:02:35.360 --> 01:02:37.816 That is our end game and so our
NOTE Confidence: 0.925243827222222
01:02:37.816 --> 01:02:39.898 motto here is everyday better.
NOTE Confidence: 0.925243827222222
01:02:39.900 --> 01:02:43.223 We're constantly trying to learn about
NOTE Confidence: 0.925243827222222
01:02:43.223 --> 01:02:45.344 this is this might be an opportunity
NOTE Confidence: 0.925243827222222
01:02:45.344 --> 01:02:51.310 to get better right now, but. Sorry.
NOTE Confidence: 0.925243827222222
01:02:51.310 --> 01:02:55.520 Hey buddy, give Me 2 seconds the.
NOTE Confidence: 0.925243827222222

01:02:55.520 --> 01:02:57.620 The chief of Cardiac's calling
NOTE Confidence: 0.925243827222222

01:02:57.620 --> 01:03:00.576 me the UM so but but so I don't.
NOTE Confidence: 0.925243827222222

01:03:00.580 --> 01:03:02.974 I'm I'm not fixated on rankings or
NOTE Confidence: 0.925243827222222

01:03:02.974 --> 01:03:05.350 things like that I think you should.
NOTE Confidence: 0.925243827222222

01:03:05.350 --> 01:03:07.222 You should find the physician and
NOTE Confidence: 0.925243827222222

01:03:07.222 --> 01:03:09.400 a team that you believe is going
NOTE Confidence: 0.925243827222222

01:03:09.400 --> 01:03:10.280 to care for you.
NOTE Confidence: 0.925243827222222

01:03:10.280 --> 01:03:11.558 You know lung and lung surgery.
NOTE Confidence: 0.925243827222222

01:03:11.560 --> 01:03:15.736 Yes, Yale is top ranked or lung and lung
NOTE Confidence: 0.925243827222222

01:03:15.736 --> 01:03:18.740 cancer surgery, but that doesn't matter.
NOTE Confidence: 0.925243827222222

01:03:18.740 --> 01:03:19.700 That's to me.
NOTE Confidence: 0.925243827222222

01:03:19.700 --> 01:03:21.940 It's do you connect with your team?
NOTE Confidence: 0.925243827222222

01:03:21.940 --> 01:03:27.540 Is your team well organized? It come.
NOTE Confidence: 0.925243827222222

01:03:27.540 --> 01:03:29.619 I gotta go. So go take your call.
NOTE Confidence: 0.925243827222222

01:03:29.620 --> 01:03:30.628 Alright thanks guys.
NOTE Confidence: 0.8639533255

01:03:33.090 --> 01:03:34.158 OK, I'm gonna ask.

NOTE Confidence: 0.8639533255

01:03:34.158 --> 01:03:36.064 I think two more questions and then

NOTE Confidence: 0.8639533255

01:03:36.064 --> 01:03:37.984 I'm going to turn this over to Halle

NOTE Confidence: 0.8639533255

01:03:37.984 --> 01:03:40.330 to to give us some words of wisdom.

NOTE Confidence: 0.8639533255

01:03:40.330 --> 01:03:42.130 So Jennifer Possick I want to

NOTE Confidence: 0.8639533255

01:03:42.130 --> 01:03:43.988 ask you a question that is

NOTE Confidence: 0.8639533255

01:03:43.988 --> 01:03:45.770 asked by one of our attendees.

NOTE Confidence: 0.8639533255

01:03:45.770 --> 01:03:47.291 So this is this is an important

NOTE Confidence: 0.8639533255

01:03:47.291 --> 01:03:48.953 one that I think really applies

NOTE Confidence: 0.8639533255

01:03:48.953 --> 01:03:51.278 to a lot of people have had lung

NOTE Confidence: 0.8639533255

01:03:51.278 --> 01:03:53.465 cancer so for those of us with

NOTE Confidence: 0.8639533255

01:03:53.465 --> 01:03:54.880 reduced lung function from surgery

NOTE Confidence: 0.8639533255

01:03:54.931 --> 01:03:56.835 or radiation SBRT what are the most

NOTE Confidence: 0.8639533255

01:03:56.835 --> 01:03:58.429 effective ways to maximize lung

NOTE Confidence: 0.8639533255

01:03:58.429 --> 01:04:00.229 function from the remaining tissue?

NOTE Confidence: 0.906159695

01:04:01.090 --> 01:04:02.522 I'm so glad that.

NOTE Confidence: 0.906159695

01:04:02.522 --> 01:04:05.165 Somebody asked that and of course I'm

NOTE Confidence: 0.906159695

01:04:05.165 --> 01:04:07.570 inherently biased as a pulmonologist

NOTE Confidence: 0.906159695

01:04:07.570 --> 01:04:10.210 that I think that patients,

NOTE Confidence: 0.906159695

01:04:10.210 --> 01:04:13.230 partnering with a pulmonologist during

NOTE Confidence: 0.906159695

01:04:13.230 --> 01:04:15.764 their journey of their lung cancer

NOTE Confidence: 0.906159695

01:04:15.764 --> 01:04:17.644 treatment is really crucially important.

NOTE Confidence: 0.906159695

01:04:17.650 --> 01:04:19.338 And that's why I'm so glad that I

NOTE Confidence: 0.906159695

01:04:19.338 --> 01:04:20.961 get to collaborate with the rest

NOTE Confidence: 0.906159695

01:04:20.961 --> 01:04:23.600 of these people on this call in the

NOTE Confidence: 0.906159695

01:04:23.600 --> 01:04:26.120 care of people with lung cancer.

NOTE Confidence: 0.906159695

01:04:26.120 --> 01:04:28.870 So I think that the short answer is that

NOTE Confidence: 0.906159695

01:04:28.870 --> 01:04:31.018 there's not just one solution to that,

NOTE Confidence: 0.906159695

01:04:31.020 --> 01:04:32.524 it's different for every person.

NOTE Confidence: 0.906159695

01:04:32.524 --> 01:04:34.494 And it really starts with

NOTE Confidence: 0.906159695

01:04:34.494 --> 01:04:37.114 having your pulmonary status,

NOTE Confidence: 0.906159695

01:04:37.114 --> 01:04:39.799 your underlying pre-existing lung disease,

NOTE Confidence: 0.906159695

01:04:39.800 --> 01:04:43.230 and your post treatment pulmonary.

NOTE Confidence: 0.906159695

01:04:43.230 --> 01:04:46.066 Status characterized so.

NOTE Confidence: 0.906159695

01:04:46.066 --> 01:04:49.010 So meeting with a pulmonary pulmonary

NOTE Confidence: 0.906159695

01:04:49.010 --> 01:04:50.986 physician talking about the things

NOTE Confidence: 0.906159695

01:04:50.986 --> 01:04:53.050 that maybe you carried with you.

NOTE Confidence: 0.906159695

01:04:53.050 --> 01:04:54.760 Pre existing into your diagnosis

NOTE Confidence: 0.906159695

01:04:54.760 --> 01:04:55.786 of lung cancer,

NOTE Confidence: 0.906159695

01:04:55.790 --> 01:04:58.569 be that COPD or pulmonary fibrosis or

NOTE Confidence: 0.906159695

01:04:58.569 --> 01:05:00.974 other conditions that don't necessarily

NOTE Confidence: 0.906159695

01:05:00.974 --> 01:05:03.558 primarily affect the lungs and then

NOTE Confidence: 0.906159695

01:05:03.558 --> 01:05:05.406 thinking about the way that the

NOTE Confidence: 0.906159695

01:05:05.406 --> 01:05:07.189 treatments are either being presented

NOTE Confidence: 0.906159695

01:05:07.190 --> 01:05:09.626 with or that you've experienced have

NOTE Confidence: 0.906159695

01:05:09.626 --> 01:05:11.871 affected your lungs afterwards and

NOTE Confidence: 0.906159695

01:05:11.871 --> 01:05:13.960 optimizing your particular situation.

NOTE Confidence: 0.906159695

01:05:13.960 --> 01:05:16.504 And that can mean with medications

NOTE Confidence: 0.906159695

01:05:16.504 --> 01:05:19.550 that can mean by managing other

NOTE Confidence: 0.906159695

01:05:19.550 --> 01:05:22.322 health conditions you have but one of

NOTE Confidence: 0.906159695

01:05:22.322 --> 01:05:24.940 the things that can be helpful for.

NOTE Confidence: 0.906159695

01:05:24.940 --> 01:05:27.236 A large number of people and that

NOTE Confidence: 0.906159695

01:05:27.236 --> 01:05:29.964 I can't speak highly enough about

NOTE Confidence: 0.906159695

01:05:29.964 --> 01:05:31.638 is pulmonary rehabilitation.

NOTE Confidence: 0.906159695

01:05:31.640 --> 01:05:34.167 And some people may be familiar with

NOTE Confidence: 0.906159695

01:05:34.167 --> 01:05:36.540 that that they've undergone it as

NOTE Confidence: 0.906159695

01:05:36.540 --> 01:05:38.690 part of their treatment journey.

NOTE Confidence: 0.906159695

01:05:38.690 --> 01:05:40.734 Or it's been presented to them outside

NOTE Confidence: 0.906159695

01:05:40.734 --> 01:05:42.827 of the context of their lung cancer.

NOTE Confidence: 0.906159695

01:05:42.830 --> 01:05:45.212 And it's an exercise program that

NOTE Confidence: 0.906159695

01:05:45.212 --> 01:05:48.034 is aimed at helping people who

NOTE Confidence: 0.906159695

01:05:48.034 --> 01:05:50.917 specifically have lung issues and

NOTE Confidence: 0.906159695

01:05:50.917 --> 01:05:52.662 have difficulty breathing as one

NOTE Confidence: 0.906159695

01:05:52.662 --> 01:05:54.946 of the reasons why they have a.

NOTE Confidence: 0.906159695

01:05:54.950 --> 01:05:56.399 Hard time exercising.

NOTE Confidence: 0.906159695

01:05:56.399 --> 01:05:59.297 And it's done in a structured

NOTE Confidence: 0.906159695

01:05:59.300 --> 01:06:01.170 environment with a group.

NOTE Confidence: 0.906159695

01:06:01.170 --> 01:06:03.270 There's tons of education that's part of it,

NOTE Confidence: 0.906159695

01:06:03.270 --> 01:06:05.890 and they come up with a tailored exercise

NOTE Confidence: 0.906159695

01:06:05.890 --> 01:06:09.370 plan and prescription for each person,

NOTE Confidence: 0.906159695

01:06:09.370 --> 01:06:11.008 and they guide you through that.

NOTE Confidence: 0.906159695

01:06:11.010 --> 01:06:13.235 I've never had anybody go

NOTE Confidence: 0.906159695

01:06:13.235 --> 01:06:14.570 through pulmonary rehab.

NOTE Confidence: 0.906159695

01:06:14.570 --> 01:06:17.036 Who hasn't made progress or felt

NOTE Confidence: 0.906159695

01:06:17.036 --> 01:06:19.540 better in some way when they're done,

NOTE Confidence: 0.906159695

01:06:19.540 --> 01:06:21.910 everybody learns a ton and it's

NOTE Confidence: 0.906159695

01:06:21.910 --> 01:06:23.710 incredibly durable benefit.

NOTE Confidence: 0.906159695

01:06:23.710 --> 01:06:24.910 You know,

NOTE Confidence: 0.906159695

01:06:24.910 --> 01:06:26.443 you carry it with you long after
NOTE Confidence: 0.906159695

01:06:26.443 --> 01:06:27.100 the program is.
NOTE Confidence: 0.906159695

01:06:27.100 --> 01:06:29.780 And complete it and it helps from more
NOTE Confidence: 0.906159695

01:06:29.780 --> 01:06:32.052 than just the standpoint of managing
NOTE Confidence: 0.906159695

01:06:32.052 --> 01:06:34.877 your lung cancer and the and the
NOTE Confidence: 0.906159695

01:06:34.877 --> 01:06:37.565 consequences of your lung cancer therapy,
NOTE Confidence: 0.906159695

01:06:37.570 --> 01:06:39.490 it helped you in many other
NOTE Confidence: 0.906159695

01:06:39.490 --> 01:06:40.750 respects with your health as well.
NOTE Confidence: 0.9666995

01:06:42.600 --> 01:06:45.220 Thank you alright, I think we're
NOTE Confidence: 0.9666995

01:06:45.220 --> 01:06:48.750 going to go back to hearing some
NOTE Confidence: 0.8666141445

01:06:48.750 --> 01:06:50.444 a little bit of a talk here
NOTE Confidence: 0.8666141445

01:06:50.444 --> 01:06:52.397 and then we will open it back
NOTE Confidence: 0.8666141445

01:06:52.397 --> 01:06:54.143 up to the panelists for some.
NOTE Confidence: 0.8666141445

01:06:54.150 --> 01:06:56.817 Closing remarks is where I think we're
NOTE Confidence: 0.8666141445

01:06:56.820 --> 01:06:59.004 we're coming up on eight o'clock soon,
NOTE Confidence: 0.8666141445

01:06:59.010 --> 01:07:00.450 which is our end time.

NOTE Confidence: 0.8666141445
01:07:00.450 --> 01:07:02.834 So I am going to turn this over
NOTE Confidence: 0.8666141445
01:07:02.834 --> 01:07:05.228 to Holly Robinson are wonderful,
NOTE Confidence: 0.8666141445
01:07:05.230 --> 01:07:07.105 wonderful social worker and she's
NOTE Confidence: 0.8666141445
01:07:07.105 --> 01:07:10.310 going to talk to you a bit about
NOTE Confidence: 0.8666141445
01:07:10.310 --> 01:07:12.395 social work and supportive services.
NOTE Confidence: 0.8666141445
01:07:12.400 --> 01:07:14.230 So thank you for calling
NOTE Confidence: 0.759307206666667
01:07:14.240 --> 01:07:16.649 5 Doctor Goldberg.
NOTE Confidence: 0.759307206666667
01:07:16.650 --> 01:07:18.090 I'll fly through. I promise.
NOTE Confidence: 0.72011162125
01:07:18.180 --> 01:07:21.636 All right. No problem, no no no rush.
NOTE Confidence: 0.72011162125
01:07:21.640 --> 01:07:22.545 Have a few more questions
NOTE Confidence: 0.72011162125
01:07:22.545 --> 01:07:24.550 at the end. OK, alright.
NOTE Confidence: 0.95667446
01:07:27.220 --> 01:07:27.790 Next time.
NOTE Confidence: 0.8576915075
01:07:29.640 --> 01:07:31.080 OK, I'm going to
NOTE Confidence: 0.843109971428571
01:07:31.090 --> 01:07:32.630 go a little bit about social work.
NOTE Confidence: 0.843109971428571
01:07:32.630 --> 01:07:34.850 My role within the interdisciplinary team,
NOTE Confidence: 0.843109971428571

01:07:34.850 --> 01:07:37.126 and so the supportive services
NOTE Confidence: 0.843109971428571

01:07:37.126 --> 01:07:39.058 that all of our patients are long.
NOTE Confidence: 0.843109971428571

01:07:39.060 --> 01:07:41.524 Patients have access to. Here at smilow.
NOTE Confidence: 0.843109971428571

01:07:41.530 --> 01:07:43.350 I've always kind of struggled with my
NOTE Confidence: 0.843109971428571

01:07:43.350 --> 01:07:44.790 elevator speech when people ask me.
NOTE Confidence: 0.843109971428571

01:07:44.790 --> 01:07:46.554 Well, how can social work help me?
NOTE Confidence: 0.843109971428571

01:07:46.554 --> 01:07:48.290 I get the deer in headlights look
NOTE Confidence: 0.843109971428571

01:07:48.349 --> 01:07:50.379 oftentimes when I come to the door
NOTE Confidence: 0.843109971428571

01:07:50.379 --> 01:07:52.033 and introduce myself because I
NOTE Confidence: 0.843109971428571

01:07:52.033 --> 01:07:53.477 have this negative connotation.
NOTE Confidence: 0.843109971428571

01:07:53.480 --> 01:07:54.990 People think I'm there to,
NOTE Confidence: 0.843109971428571

01:07:54.990 --> 01:07:56.824 you know, buffer bad news or B.
NOTE Confidence: 0.843109971428571

01:07:56.830 --> 01:07:59.406 I can never make it just a social
NOTE Confidence: 0.843109971428571

01:07:59.406 --> 01:08:00.900 visit to say hello.
NOTE Confidence: 0.843109971428571

01:08:00.900 --> 01:08:01.899 First and foremost,
NOTE Confidence: 0.843109971428571

01:08:01.899 --> 01:08:03.897 my role is to offer emotional

NOTE Confidence: 0.843109971428571
01:08:03.897 --> 01:08:05.854 support surrounding all the different
NOTE Confidence: 0.843109971428571
01:08:05.854 --> 01:08:07.418 stressors that are experienced
NOTE Confidence: 0.843109971428571
01:08:07.418 --> 01:08:09.548 with a lung cancer diagnosis.
NOTE Confidence: 0.843109971428571
01:08:09.550 --> 01:08:12.160 I think oftentimes the broad ways
NOTE Confidence: 0.843109971428571
01:08:12.160 --> 01:08:14.492 people are impacted when they
NOTE Confidence: 0.843109971428571
01:08:14.492 --> 01:08:17.077 receive a cancer diagnosis aren't
NOTE Confidence: 0.843109971428571
01:08:17.077 --> 01:08:19.145 always anticipated right away,
NOTE Confidence: 0.843109971428571
01:08:19.150 --> 01:08:21.358 so certainly we offer the emotional,
NOTE Confidence: 0.843109971428571
01:08:21.360 --> 01:08:24.774 practical and social support as one
NOTE Confidence: 0.843109971428571
01:08:24.774 --> 01:08:28.020 navigates their diagnosis and treatment.
NOTE Confidence: 0.843109971428571
01:08:28.020 --> 01:08:30.540 We also work to link patients.
NOTE Confidence: 0.843109971428571
01:08:30.540 --> 01:08:33.342 Families to both the hospital and
NOTE Confidence: 0.843109971428571
01:08:33.342 --> 01:08:35.760 community resources to really address
NOTE Confidence: 0.843109971428571
01:08:35.760 --> 01:08:39.078 ones needs that we identify in a
NOTE Confidence: 0.843109971428571
01:08:39.078 --> 01:08:41.306 psychosocial assessment or help to
NOTE Confidence: 0.843109971428571

01:08:41.306 --> 01:08:43.706 manage the barriers that might impact

NOTE Confidence: 0.843109971428571

01:08:43.706 --> 01:08:45.748 their accessibility to treatment.

NOTE Confidence: 0.8641126

01:08:47.840 --> 01:08:49.346 Social work services?

NOTE Confidence: 0.8641126

01:08:49.346 --> 01:08:51.564 Well, it's not perfect and I I know

NOTE Confidence: 0.8641126

01:08:51.564 --> 01:08:52.920 there are people I have not met.

NOTE Confidence: 0.8641126

01:08:52.920 --> 01:08:54.716 There's certainly available to

NOTE Confidence: 0.8641126

01:08:54.716 --> 01:08:57.410 everyone from the point of one's

NOTE Confidence: 0.8641126

01:08:57.489 --> 01:09:00.059 diagnosis and throughout their entire

NOTE Confidence: 0.8641126

01:09:00.059 --> 01:09:02.629 experience with their lung cancer.

NOTE Confidence: 0.8641126

01:09:02.630 --> 01:09:03.539 People's needs change.

NOTE Confidence: 0.8641126

01:09:03.539 --> 01:09:05.357 Often times I might meet somebody

NOTE Confidence: 0.8641126

01:09:05.357 --> 01:09:07.148 at that very first appointment.

NOTE Confidence: 0.8641126

01:09:07.150 --> 01:09:10.264 I know that it feels like a revolving door,

NOTE Confidence: 0.8641126

01:09:10.270 --> 01:09:12.310 and there's instances where people are

NOTE Confidence: 0.8641126

01:09:12.310 --> 01:09:14.350 just being overloaded with information.

NOTE Confidence: 0.8641126

01:09:14.350 --> 01:09:16.264 So half the time people might

NOTE Confidence: 0.8641126
01:09:16.264 --> 01:09:17.780 not even remember meeting me.
NOTE Confidence: 0.8641126
01:09:17.780 --> 01:09:19.430 But their needs, like I said,
NOTE Confidence: 0.8641126
01:09:19.430 --> 01:09:21.580 do evolve and change throughout
NOTE Confidence: 0.8641126
01:09:21.580 --> 01:09:22.440 their experience,
NOTE Confidence: 0.8641126
01:09:22.440 --> 01:09:25.528 and so their need to tap into that
NOTE Confidence: 0.8641126
01:09:25.528 --> 01:09:28.597 kind of support evolves as well.
NOTE Confidence: 0.8641126
01:09:28.600 --> 01:09:30.260 You can switch sides please.
NOTE Confidence: 0.7594116
01:09:36.000 --> 01:09:39.270 Alright, again it's very normal to have a
NOTE Confidence: 0.7594116
01:09:39.270 --> 01:09:41.772 really broad range of emotional responses
NOTE Confidence: 0.7594116
01:09:41.772 --> 01:09:44.460 when one is diagnosed with cancer.
NOTE Confidence: 0.7594116
01:09:44.460 --> 01:09:46.128 Oftentimes there's that anxiety
NOTE Confidence: 0.7594116
01:09:46.128 --> 01:09:48.213 during an initial work up,
NOTE Confidence: 0.7594116
01:09:48.220 --> 01:09:49.600 just not having answers.
NOTE Confidence: 0.7594116
01:09:49.600 --> 01:09:51.670 There's so much unknown that's scary,
NOTE Confidence: 0.7594116
01:09:51.670 --> 01:09:53.830 and there's a lot of fear surrounding that.
NOTE Confidence: 0.7594116

01:09:53.830 --> 01:09:56.340 There's shock and disbelief sometimes,
NOTE Confidence: 0.7594116

01:09:56.340 --> 01:09:58.420 especially with the more
NOTE Confidence: 0.7594116

01:09:58.420 --> 01:09:59.460 incidental diagnosis.
NOTE Confidence: 0.7594116

01:09:59.460 --> 01:10:00.975 There's just this in congruence
NOTE Confidence: 0.7594116

01:10:00.975 --> 01:10:02.187 between how somebody is.
NOTE Confidence: 0.7594116

01:10:02.190 --> 01:10:05.478 Feeling they might go on eight mile hikes
NOTE Confidence: 0.7594116

01:10:05.478 --> 01:10:08.170 regularly and then they are diagnosed with
NOTE Confidence: 0.7594116

01:10:08.170 --> 01:10:11.409 lung cancer and it just doesn't match up.
NOTE Confidence: 0.7594116

01:10:11.410 --> 01:10:14.138 A lot of Greeks, in terms of ways
NOTE Confidence: 0.7594116

01:10:14.138 --> 01:10:16.226 in which you anticipate your life,
NOTE Confidence: 0.7594116

01:10:16.230 --> 01:10:19.310 might change ways in which that normalcy
NOTE Confidence: 0.7594116

01:10:19.310 --> 01:10:22.466 is kind of stripped from you again.
NOTE Confidence: 0.7594116

01:10:22.466 --> 01:10:23.846 And we have mentioned this,
NOTE Confidence: 0.7594116

01:10:23.850 --> 01:10:25.002 I, I think,
NOTE Confidence: 0.7594116

01:10:25.002 --> 01:10:26.922 lung cancer is often experienced
NOTE Confidence: 0.7594116

01:10:26.922 --> 01:10:29.271 as more of a disenfranchised

NOTE Confidence: 0.7594116

01:10:29.271 --> 01:10:32.283 diagnosis because of the stigma and

NOTE Confidence: 0.7594116

01:10:32.283 --> 01:10:34.559 association with smoking histories.

NOTE Confidence: 0.7594116

01:10:34.560 --> 01:10:36.684 So sometimes there's shame and a

NOTE Confidence: 0.7594116

01:10:36.684 --> 01:10:39.379 lot of guilt that can go with that.

NOTE Confidence: 0.7594116

01:10:39.380 --> 01:10:42.060 Uhm, sometimes though, even relief.

NOTE Confidence: 0.7594116

01:10:42.060 --> 01:10:43.908 I think there's a number of

NOTE Confidence: 0.7594116

01:10:43.908 --> 01:10:45.534 different patients who I've worked

NOTE Confidence: 0.7594116

01:10:45.534 --> 01:10:47.550 with who have been experiencing a

NOTE Confidence: 0.7594116

01:10:47.550 --> 01:10:49.399 certain symptom set for some time,

NOTE Confidence: 0.7594116

01:10:49.400 --> 01:10:51.129 might have been treated for different things,

NOTE Confidence: 0.7594116

01:10:51.130 --> 01:10:53.426 or just was never given a real explanation

NOTE Confidence: 0.7594116

01:10:53.426 --> 01:10:55.317 for how they had been feeling.

NOTE Confidence: 0.7594116

01:10:55.320 --> 01:10:57.035 And so to finally get a label.

NOTE Confidence: 0.7594116

01:10:57.040 --> 01:10:59.216 And then with that a plan for how

NOTE Confidence: 0.7594116

01:10:59.216 --> 01:11:01.061 they're going to address that with

NOTE Confidence: 0.7594116

01:11:01.061 --> 01:11:03.232 an entire team behind them, I think.
NOTE Confidence: 0.7594116

01:11:03.232 --> 01:11:05.409 Having that kind of plan and access
NOTE Confidence: 0.7594116

01:11:05.409 --> 01:11:07.904 to care can reduce a lot of things.
NOTE Confidence: 0.906530747777778

01:11:10.160 --> 01:11:11.635 I'm meeting with the patient
NOTE Confidence: 0.906530747777778

01:11:11.635 --> 01:11:12.815 and their support system.
NOTE Confidence: 0.906530747777778

01:11:12.820 --> 01:11:14.692 The first thing I want to assess for
NOTE Confidence: 0.906530747777778

01:11:14.692 --> 01:11:16.968 is who exactly is their support system.
NOTE Confidence: 0.906530747777778

01:11:16.970 --> 01:11:19.594 What are the things that you enjoy doing?
NOTE Confidence: 0.906530747777778

01:11:19.600 --> 01:11:21.920 What do you have access to that helps
NOTE Confidence: 0.906530747777778

01:11:21.920 --> 01:11:25.144 you on a regular day before your cancer
NOTE Confidence: 0.906530747777778

01:11:25.144 --> 01:11:26.860 diagnosis addressed your stress?
NOTE Confidence: 0.906530747777778

01:11:26.860 --> 01:11:28.770 Uhm, I think those things.
NOTE Confidence: 0.906530747777778

01:11:28.770 --> 01:11:30.624 Those things that you have in
NOTE Confidence: 0.906530747777778

01:11:30.624 --> 01:11:32.687 your own back pocket are the best
NOTE Confidence: 0.906530747777778

01:11:32.687 --> 01:11:34.900 toolkit that I want to go to first.
NOTE Confidence: 0.906530747777778

01:11:34.900 --> 01:11:37.021 It is important to be able to

NOTE Confidence: 0.906530747777778

01:11:37.021 --> 01:11:37.930 identify these activities.

NOTE Confidence: 0.906530747777778

01:11:37.930 --> 01:11:40.255 These pieces that help you

NOTE Confidence: 0.906530747777778

01:11:40.255 --> 01:11:42.580 maintain some routine and normalcy.

NOTE Confidence: 0.906530747777778

01:11:42.580 --> 01:11:45.430 Again, the activities you enjoy doing.

NOTE Confidence: 0.906530747777778

01:11:45.430 --> 01:11:48.216 I've joked before I know that there's

NOTE Confidence: 0.906530747777778

01:11:48.216 --> 01:11:50.610 been some move in order to reduce or

NOTE Confidence: 0.906530747777778

01:11:50.610 --> 01:11:52.117 to improve that FaceTime with your

NOTE Confidence: 0.906530747777778

01:11:52.117 --> 01:11:53.895 loved ones at a family dinner 'cause

NOTE Confidence: 0.906530747777778

01:11:53.895 --> 01:11:55.729 everybody is glued to their smartphones.

NOTE Confidence: 0.906530747777778

01:11:55.730 --> 01:11:57.710 At this point, I've seen.

NOTE Confidence: 0.906530747777778

01:11:57.710 --> 01:11:59.326 Where they put all their phones in a

NOTE Confidence: 0.906530747777778

01:11:59.326 --> 01:12:00.886 basket and whoever reaches for that

NOTE Confidence: 0.906530747777778

01:12:00.886 --> 01:12:02.898 phone first has to pay their bill.

NOTE Confidence: 0.906530747777778

01:12:02.898 --> 01:12:04.558 So I've challenged patients and

NOTE Confidence: 0.906530747777778

01:12:04.558 --> 01:12:05.850 their family members.

NOTE Confidence: 0.906530747777778

01:12:05.850 --> 01:12:08.118 I want you to go out to dinner and
NOTE Confidence: 0.906530747777778

01:12:08.118 --> 01:12:10.034 whoever mentions cancer first has to
NOTE Confidence: 0.906530747777778

01:12:10.034 --> 01:12:12.124 pay the bill or whoever, whatever.
NOTE Confidence: 0.906530747777778

01:12:12.124 --> 01:12:14.594 Whoever brings up everything that's
NOTE Confidence: 0.906530747777778

01:12:14.594 --> 01:12:17.066 going on with somebody's health
NOTE Confidence: 0.906530747777778

01:12:17.066 --> 01:12:18.725 needs needs to do something because
NOTE Confidence: 0.906530747777778

01:12:18.725 --> 01:12:20.395 I think it's important to be able
NOTE Confidence: 0.906530747777778

01:12:20.395 --> 01:12:21.753 to carve out some of that time.
NOTE Confidence: 0.906530747777778

01:12:21.760 --> 01:12:23.008 Sometimes these doctors appointments,
NOTE Confidence: 0.906530747777778

01:12:23.008 --> 01:12:24.568 especially when you're starting up.
NOTE Confidence: 0.906530747777778

01:12:24.570 --> 01:12:26.400 It can feel all consuming.
NOTE Confidence: 0.906530747777778

01:12:26.400 --> 01:12:27.450 So you've got to be able to.
NOTE Confidence: 0.906530747777778

01:12:27.450 --> 01:12:29.838 Find that balance.
NOTE Confidence: 0.906530747777778

01:12:29.840 --> 01:12:32.122 One thing that we talked about often
NOTE Confidence: 0.906530747777778

01:12:32.122 --> 01:12:34.600 is this all or nothing mentality.
NOTE Confidence: 0.906530747777778

01:12:34.600 --> 01:12:36.917 Again, I think it can be very,

NOTE Confidence: 0.906530747777778
01:12:36.920 --> 01:12:38.944 very hard and there's a lot of grief
NOTE Confidence: 0.906530747777778
01:12:38.944 --> 01:12:40.627 associated with the change in normalcy.
NOTE Confidence: 0.906530747777778
01:12:40.630 --> 01:12:43.670 Change in that physical functioning
NOTE Confidence: 0.906530747777778
01:12:43.670 --> 01:12:45.756 sometimes as a result of the cancer
NOTE Confidence: 0.906530747777778
01:12:45.756 --> 01:12:47.330 or the treatments themselves.
NOTE Confidence: 0.906530747777778
01:12:47.330 --> 01:12:49.528 People aren't able to do the things
NOTE Confidence: 0.906530747777778
01:12:49.528 --> 01:12:51.874 to the same level that they may
NOTE Confidence: 0.906530747777778
01:12:51.874 --> 01:12:53.878 have been doing a year before.
NOTE Confidence: 0.906530747777778
01:12:53.880 --> 01:12:54.795 That being said,
NOTE Confidence: 0.906530747777778
01:12:54.795 --> 01:12:56.625 I still think there's really great
NOTE Confidence: 0.906530747777778
01:12:56.625 --> 01:12:58.589 benefit in continuing these activities.
NOTE Confidence: 0.906530747777778
01:12:58.590 --> 01:13:00.342 Finding a more modified.
NOTE Confidence: 0.906530747777778
01:13:00.342 --> 01:13:03.680 Way to engage in them and be able to
NOTE Confidence: 0.906530747777778
01:13:03.680 --> 01:13:06.429 put them to practice in terms of your coping.
NOTE Confidence: 0.906530747777778
01:13:06.430 --> 01:13:07.468 Next slide please.
NOTE Confidence: 0.97375464

01:13:09.600 --> 01:13:11.875 So some of the supportive services
NOTE Confidence: 0.97375464

01:13:11.875 --> 01:13:13.455 available through social work.
NOTE Confidence: 0.97375464

01:13:13.460 --> 01:13:16.764 I facilitate the lung Cancer Support group.
NOTE Confidence: 0.97375464

01:13:16.770 --> 01:13:19.230 I will say Dr. Boffa and one of our team
NOTE Confidence: 0.97375464

01:13:19.299 --> 01:13:21.518 Zoom meeting is coined to the group,
NOTE Confidence: 0.97375464

01:13:21.520 --> 01:13:23.845 the Crown jewel of the
NOTE Confidence: 0.97375464

01:13:23.845 --> 01:13:25.240 Thoracic Oncology program.
NOTE Confidence: 0.97375464

01:13:25.240 --> 01:13:27.174 I know other colleagues heard that so
NOTE Confidence: 0.97375464

01:13:27.174 --> 01:13:29.099 we are branding the group with that
NOTE Confidence: 0.97375464

01:13:29.099 --> 01:13:30.695 and we're gonna get posters made.
NOTE Confidence: 0.97375464

01:13:30.700 --> 01:13:33.358 We're not going back on that.
NOTE Confidence: 0.97375464

01:13:33.360 --> 01:13:35.076 The lung Cancer Support Group
NOTE Confidence: 0.97375464

01:13:35.076 --> 01:13:37.566 is truly a wonderful group.
NOTE Confidence: 0.97375464

01:13:37.570 --> 01:13:39.106 Like I said, first and foremost,
NOTE Confidence: 0.97375464

01:13:39.110 --> 01:13:41.537 we do want to identify somebody's
NOTE Confidence: 0.97375464

01:13:41.537 --> 01:13:43.559 immediate supports that are going to

NOTE Confidence: 0.97375464

01:13:43.559 --> 01:13:46.265 back them and support them as they're

NOTE Confidence: 0.97375464

01:13:46.265 --> 01:13:47.897 navigating their cancer experience.

NOTE Confidence: 0.97375464

01:13:47.900 --> 01:13:49.825 But I really do think that there's

NOTE Confidence: 0.97375464

01:13:49.825 --> 01:13:51.693 something to be said to being to

NOTE Confidence: 0.97375464

01:13:51.693 --> 01:13:53.493 being able to connect with a group

NOTE Confidence: 0.97375464

01:13:53.493 --> 01:13:55.557 of other people who get to a great

NOTE Confidence: 0.97375464

01:13:55.557 --> 01:13:57.620 extent what it is you're going through.

NOTE Confidence: 0.97375464

01:13:57.620 --> 01:14:00.287 We talked about there being no cookie

NOTE Confidence: 0.97375464

01:14:00.287 --> 01:14:02.259 cutter experience with lung cancer.

NOTE Confidence: 0.97375464

01:14:02.260 --> 01:14:03.724 Everybody is experienced.

NOTE Confidence: 0.97375464

01:14:03.724 --> 01:14:05.612 Is their own UM,

NOTE Confidence: 0.97375464

01:14:05.612 --> 01:14:08.144 but with this group in particular,

NOTE Confidence: 0.97375464

01:14:08.150 --> 01:14:10.736 I think people's ability to share

NOTE Confidence: 0.97375464

01:14:10.736 --> 01:14:12.969 those experiences and find some

NOTE Confidence: 0.97375464

01:14:12.969 --> 01:14:15.555 commonality is just worth its weight.

NOTE Confidence: 0.97375464

01:14:15.560 --> 01:14:16.228 In gold.

NOTE Confidence: 0.97375464

01:14:16.228 --> 01:14:17.898 It's pretty incredibly because we've

NOTE Confidence: 0.97375464

01:14:17.898 --> 01:14:20.158 got people who participate in a group

NOTE Confidence: 0.97375464

01:14:20.158 --> 01:14:22.703 who've been there long before I got to

NOTE Confidence: 0.97375464

01:14:22.703 --> 01:14:24.749 smilow and started facilitating the group.

NOTE Confidence: 0.97375464

01:14:24.750 --> 01:14:26.454 We've got people who are diagnosed

NOTE Confidence: 0.97375464

01:14:26.454 --> 01:14:28.560 with stage four lung cancer 10 years

NOTE Confidence: 0.97375464

01:14:28.560 --> 01:14:30.085 ago were still active participants

NOTE Confidence: 0.97375464

01:14:30.085 --> 01:14:32.322 and have gone through a number of

NOTE Confidence: 0.97375464

01:14:32.322 --> 01:14:33.897 different treatments they can speak.

NOTE Confidence: 0.97375464

01:14:33.900 --> 01:14:35.760 To their experience with that.

NOTE Confidence: 0.97375464

01:14:35.760 --> 01:14:36.756 But again, I,

NOTE Confidence: 0.97375464

01:14:36.756 --> 01:14:39.080 I think this just also reflects the

NOTE Confidence: 0.97375464

01:14:39.149 --> 01:14:41.853 innovations in a lot of the cancer care.

NOTE Confidence: 0.97375464

01:14:41.860 --> 01:14:43.428 It's really incredible and

NOTE Confidence: 0.97375464

01:14:43.428 --> 01:14:44.996 I think it's really.

NOTE Confidence: 0.97375464

01:14:45.000 --> 01:14:47.118 It really have helps add hope,

NOTE Confidence: 0.97375464

01:14:47.120 --> 01:14:48.555 especially to newer members who

NOTE Confidence: 0.97375464

01:14:48.555 --> 01:14:50.723 are coming in and can hear from

NOTE Confidence: 0.97375464

01:14:50.723 --> 01:14:52.739 others who have been managing and

NOTE Confidence: 0.97375464

01:14:52.739 --> 01:14:54.348 maintaining really good quality of

NOTE Confidence: 0.97375464

01:14:54.348 --> 01:14:56.399 life for some time with what otherwise

NOTE Confidence: 0.97375464

01:14:56.400 --> 01:15:00.150 feels like a really lousy diagnosis.

NOTE Confidence: 0.97375464

01:15:00.150 --> 01:15:02.124 Group meets on the 1st and the

NOTE Confidence: 0.97375464

01:15:02.124 --> 01:15:03.750 third Tuesday of every month.

NOTE Confidence: 0.97375464

01:15:03.750 --> 01:15:05.480 My understanding is that we're

NOTE Confidence: 0.97375464

01:15:05.480 --> 01:15:07.733 still the only lung cancer specific

NOTE Confidence: 0.97375464

01:15:07.733 --> 01:15:09.577 support group in Connecticut,

NOTE Confidence: 0.97375464

01:15:09.580 --> 01:15:13.087 so it is really just a wonderful

NOTE Confidence: 0.97375464

01:15:13.087 --> 01:15:15.260 group to tap into.

NOTE Confidence: 0.97375464

01:15:15.260 --> 01:15:16.928 Some other groups that are offered

NOTE Confidence: 0.97375464

01:15:16.928 --> 01:15:19.410 by some of my social work colleagues
NOTE Confidence: 0.97375464

01:15:19.410 --> 01:15:21.585 include the meaning centered psychotherapy
NOTE Confidence: 0.97375464

01:15:21.585 --> 01:15:24.258 group for patients with advanced cancer.
NOTE Confidence: 0.97375464

01:15:24.260 --> 01:15:27.921 This is a time limited eight week
NOTE Confidence: 0.97375464

01:15:27.921 --> 01:15:30.706 group that really addresses the
NOTE Confidence: 0.97375464

01:15:30.706 --> 01:15:32.398 existential stressors associated
NOTE Confidence: 0.97375464

01:15:32.398 --> 01:15:35.459 with a life limiting cancer.
NOTE Confidence: 0.97375464

01:15:35.460 --> 01:15:37.338 They're set topics for each group.
NOTE Confidence: 0.97375464

01:15:37.340 --> 01:15:39.380 It's a pretty intimate group,
NOTE Confidence: 0.97375464

01:15:39.380 --> 01:15:43.340 usually where you are able to have really
NOTE Confidence: 0.97375464

01:15:43.340 --> 01:15:46.169 profound discussions with those around you.
NOTE Confidence: 0.97375464

01:15:46.170 --> 01:15:48.450 Just about your experience and
NOTE Confidence: 0.97375464

01:15:48.450 --> 01:15:50.730 what becomes important in the
NOTE Confidence: 0.97375464

01:15:50.815 --> 01:15:53.100 setting of a cancer diagnosis.
NOTE Confidence: 0.97375464

01:15:53.100 --> 01:15:55.115 As we are available for
NOTE Confidence: 0.97375464

01:15:55.115 --> 01:15:56.324 the patients themselves,

NOTE Confidence: 0.97375464

01:15:56.330 --> 01:15:58.724 we certainly are also available to

NOTE Confidence: 0.97375464

01:15:58.724 --> 01:16:01.170 offer support to their caregivers.

NOTE Confidence: 0.97375464

01:16:01.170 --> 01:16:02.470 I use that term loosely.

NOTE Confidence: 0.97375464

01:16:02.470 --> 01:16:03.270 Some people have said, well,

NOTE Confidence: 0.97375464

01:16:03.270 --> 01:16:04.608 I'm not actually providing the care,

NOTE Confidence: 0.97375464

01:16:04.610 --> 01:16:07.718 but any family member or support person.

NOTE Confidence: 0.97375464

01:16:07.720 --> 01:16:10.128 We do have a caregiver support group

NOTE Confidence: 0.97375464

01:16:10.128 --> 01:16:11.891 that meets regularly throughout the

NOTE Confidence: 0.97375464

01:16:11.891 --> 01:16:14.547 month that I often will refer our family

NOTE Confidence: 0.895100745217391

01:16:14.613 --> 01:16:15.579 members to that,

NOTE Confidence: 0.895100745217391

01:16:15.580 --> 01:16:17.128 like my lung Cancer Support group,

NOTE Confidence: 0.895100745217391

01:16:17.130 --> 01:16:19.284 can be really helpful just for

NOTE Confidence: 0.895100745217391

01:16:19.284 --> 01:16:21.235 others to connect with people

NOTE Confidence: 0.895100745217391

01:16:21.235 --> 01:16:23.440 who have shared experiences and.

NOTE Confidence: 0.895100745217391

01:16:23.440 --> 01:16:26.080 And can you offer support around

NOTE Confidence: 0.895100745217391

01:16:26.080 --> 01:16:28.320 the difficulties of you know,
NOTE Confidence: 0.895100745217391

01:16:28.320 --> 01:16:30.948 bearing witness or or supporting someone
NOTE Confidence: 0.895100745217391

01:16:30.948 --> 01:16:34.090 they love with a cancer diagnosis?
NOTE Confidence: 0.895100745217391

01:16:34.090 --> 01:16:36.006 One piece of social work services we
NOTE Confidence: 0.895100745217391

01:16:36.010 --> 01:16:37.720 often work with families who might
NOTE Confidence: 0.895100745217391

01:16:37.720 --> 01:16:39.369 have young children in the home.
NOTE Confidence: 0.895100745217391

01:16:39.370 --> 01:16:41.745 So under the parenting at
NOTE Confidence: 0.895100745217391

01:16:41.745 --> 01:16:43.645 a challenging time program,
NOTE Confidence: 0.895100745217391

01:16:43.650 --> 01:16:46.485 we will work with parents who are
NOTE Confidence: 0.895100745217391

01:16:46.485 --> 01:16:49.769 facing a cancer diagnosis based on their
NOTE Confidence: 0.895100745217391

01:16:49.770 --> 01:16:51.850 knowledge about their kids themselves.
NOTE Confidence: 0.895100745217391

01:16:51.850 --> 01:16:54.559 We work with them to really develop
NOTE Confidence: 0.895100745217391

01:16:54.559 --> 01:16:56.878 an age appropriate way to help
NOTE Confidence: 0.895100745217391

01:16:56.878 --> 01:16:59.032 them cope and help them navigate
NOTE Confidence: 0.895100745217391

01:16:59.032 --> 01:17:01.258 their parents cancer diagnosis.
NOTE Confidence: 0.895100745217391

01:17:01.260 --> 01:17:01.992 Uhm, again,

NOTE Confidence: 0.895100745217391
01:17:01.992 --> 01:17:03.822 more services that we offer
NOTE Confidence: 0.895100745217391
01:17:03.822 --> 01:17:04.920 are really unique,
NOTE Confidence: 0.895100745217391
01:17:04.920 --> 01:17:06.786 patient and family support group that
NOTE Confidence: 0.895100745217391
01:17:06.786 --> 01:17:08.720 is traditionally based out in New Haven.
NOTE Confidence: 0.895100745217391
01:17:08.720 --> 01:17:10.640 All of our groups right now
NOTE Confidence: 0.895100745217391
01:17:10.640 --> 01:17:11.920 are offered via zoom.
NOTE Confidence: 0.895100745217391
01:17:11.920 --> 01:17:13.966 This patient and family Support group
NOTE Confidence: 0.895100745217391
01:17:13.966 --> 01:17:16.281 in particular is kind of a hybrid
NOTE Confidence: 0.895100745217391
01:17:16.281 --> 01:17:18.346 group that has both patients and family
NOTE Confidence: 0.895100745217391
01:17:18.408 --> 01:17:20.320 members who participate together.
NOTE Confidence: 0.895100745217391
01:17:20.320 --> 01:17:21.952 Recently our psychology colleagues
NOTE Confidence: 0.895100745217391
01:17:21.952 --> 01:17:23.992 also started up a cognitive
NOTE Confidence: 0.895100745217391
01:17:23.992 --> 01:17:25.640 behavioral therapy skills group.
NOTE Confidence: 0.895100745217391
01:17:25.640 --> 01:17:30.176 This too is a five week time limited.
NOTE Confidence: 0.895100745217391
01:17:30.180 --> 01:17:30.357 Group,
NOTE Confidence: 0.895100745217391

01:17:30.357 --> 01:17:31.242 I think when starting up
NOTE Confidence: 0.895100745217391

01:17:31.242 --> 01:17:32.210 again in a couple weeks.
NOTE Confidence: 0.895100745217391

01:17:32.210 --> 01:17:34.198 So if people want to find that
NOTE Confidence: 0.895100745217391

01:17:34.198 --> 01:17:35.769 on smilers social media page,
NOTE Confidence: 0.895100745217391

01:17:35.770 --> 01:17:38.605 this too helps patients develop
NOTE Confidence: 0.895100745217391

01:17:38.605 --> 01:17:41.440 coping skills to manage anxiety
NOTE Confidence: 0.895100745217391

01:17:41.535 --> 01:17:44.315 and depression associated with
NOTE Confidence: 0.895100745217391

01:17:44.315 --> 01:17:46.400 their cancer diagnosis.
NOTE Confidence: 0.895100745217391

01:17:46.400 --> 01:17:46.706 Also,
NOTE Confidence: 0.895100745217391

01:17:46.706 --> 01:17:48.542 social work of course offers short
NOTE Confidence: 0.895100745217391

01:17:48.542 --> 01:17:50.629 term counseling and one on one work
NOTE Confidence: 0.895100745217391

01:17:50.629 --> 01:17:52.019 with patients and their families.
NOTE Confidence: 0.895100745217391

01:17:52.020 --> 01:17:55.348 But we also help link you to different
NOTE Confidence: 0.895100745217391

01:17:55.348 --> 01:17:59.050 community supports for clinical support.
NOTE Confidence: 0.895100745217391

01:17:59.050 --> 01:17:59.716 Next slide,
NOTE Confidence: 0.895100745217391

01:17:59.716 --> 01:18:00.049 please.

NOTE Confidence: 0.78169079

01:18:03.900 --> 01:18:06.230 I'm so glad that Lisa gave her

NOTE Confidence: 0.78169079

01:18:06.230 --> 01:18:07.558 little elevator speech 'cause I

NOTE Confidence: 0.78169079

01:18:07.558 --> 01:18:09.460 know I bought mine for social work,

NOTE Confidence: 0.78169079

01:18:09.460 --> 01:18:12.190 so it's going to be tough to

NOTE Confidence: 0.78169079

01:18:12.190 --> 01:18:14.000 describe tobacco treatment program.

NOTE Confidence: 0.78169079

01:18:14.000 --> 01:18:16.144 So I apologize for anybody else is created.

NOTE Confidence: 0.78169079

01:18:16.150 --> 01:18:17.310 We owe their programs on.

NOTE Confidence: 0.78169079

01:18:17.310 --> 01:18:19.734 Here are survivorship program is really

NOTE Confidence: 0.78169079

01:18:19.734 --> 01:18:22.270 a wonderful service that we have access

NOTE Confidence: 0.78169079

01:18:22.270 --> 01:18:24.691 to here at smile is for people who

NOTE Confidence: 0.78169079

01:18:24.691 --> 01:18:26.887 have reached stable disease or are

NOTE Confidence: 0.78169079

01:18:26.887 --> 01:18:30.210 no longer receiving active treatment.

NOTE Confidence: 0.78169079

01:18:30.210 --> 01:18:31.975 I think oftentimes the expectation

NOTE Confidence: 0.78169079

01:18:31.975 --> 01:18:33.740 when somebody is completed in

NOTE Confidence: 0.78169079

01:18:33.802 --> 01:18:35.347 treatment course is that oh,

NOTE Confidence: 0.78169079

01:18:35.350 --> 01:18:36.361 what a relief.
NOTE Confidence: 0.78169079

01:18:36.361 --> 01:18:38.383 I got past this really stressful
NOTE Confidence: 0.78169079

01:18:38.383 --> 01:18:40.216 time in terms of my cancer,
NOTE Confidence: 0.78169079

01:18:40.220 --> 01:18:41.984 when in fact there are some
NOTE Confidence: 0.78169079

01:18:41.984 --> 01:18:43.400 new stresses that pop up.
NOTE Confidence: 0.78169079

01:18:43.400 --> 01:18:44.924 Once that regular surveillance
NOTE Confidence: 0.78169079

01:18:44.924 --> 01:18:47.210 with your primary team kind of
NOTE Confidence: 0.78169079

01:18:47.278 --> 01:18:49.280 is spaced out a little bit more.
NOTE Confidence: 0.78169079

01:18:49.280 --> 01:18:51.542 For many they experience or they
NOTE Confidence: 0.78169079

01:18:51.542 --> 01:18:54.190 feel as if that safety net might fall
NOTE Confidence: 0.78169079

01:18:54.190 --> 01:18:56.619 out from under them when in fact of
NOTE Confidence: 0.78169079

01:18:56.619 --> 01:18:58.607 course the oncology team is with them
NOTE Confidence: 0.78169079

01:18:58.676 --> 01:19:00.614 all along the survivorship program.
NOTE Confidence: 0.78169079

01:19:00.614 --> 01:19:02.486 Also offers an interdisciplinary
NOTE Confidence: 0.78169079

01:19:02.486 --> 01:19:05.356 approach to help navigate those special
NOTE Confidence: 0.78169079

01:19:05.356 --> 01:19:08.146 concerns that come with cancer survivorship,

NOTE Confidence: 0.78169079

01:19:08.150 --> 01:19:10.730 including again, the medical, social,

NOTE Confidence: 0.78169079

01:19:10.730 --> 01:19:13.235 and emotional pieces that might

NOTE Confidence: 0.78169079

01:19:13.235 --> 01:19:15.740 come from the cancer treatments.

NOTE Confidence: 0.78169079

01:19:15.740 --> 01:19:17.324 Uhm, our integrative medicine

NOTE Confidence: 0.78169079

01:19:17.324 --> 01:19:19.700 program is led by Doctor Gary.

NOTE Confidence: 0.78169079

01:19:19.700 --> 01:19:21.221 So for again,

NOTE Confidence: 0.78169079

01:19:21.221 --> 01:19:24.263 a wonderful compliment to the primary

NOTE Confidence: 0.78169079

01:19:24.263 --> 01:19:26.639 oncology care that we provide.

NOTE Confidence: 0.78169079

01:19:26.640 --> 01:19:29.965 They to really focus on the whole

NOTE Confidence: 0.78169079

01:19:29.965 --> 01:19:32.730 person and ways that you know,

NOTE Confidence: 0.78169079

01:19:32.730 --> 01:19:34.430 applying different lifestyle approaches

NOTE Confidence: 0.78169079

01:19:34.430 --> 01:19:36.496 can really again compliment and

NOTE Confidence: 0.78169079

01:19:36.496 --> 01:19:37.889 enhance somebody's cancer treatment.

NOTE Confidence: 0.78169079

01:19:37.889 --> 01:19:40.067 They offer a number of different

NOTE Confidence: 0.78169079

01:19:40.067 --> 01:19:43.047 services including Yoga, Tai Chi,

NOTE Confidence: 0.78169079

01:19:43.047 --> 01:19:45.828 Reiki, massage, mindfulness.

NOTE Confidence: 0.78169079

01:19:45.828 --> 01:19:48.609 And guided meditation.

NOTE Confidence: 0.78169079

01:19:48.610 --> 01:19:50.715 So I'm often encouraging patients

NOTE Confidence: 0.78169079

01:19:50.715 --> 01:19:53.324 to seek out an appointment with

NOTE Confidence: 0.78169079

01:19:53.324 --> 01:19:55.116 their service as well.

NOTE Confidence: 0.78169079

01:19:55.120 --> 01:19:57.846 Nutrition is tricky because with a cancer

NOTE Confidence: 0.78169079

01:19:57.846 --> 01:20:00.420 diagnosis with the treatment some selves,

NOTE Confidence: 0.78169079

01:20:00.420 --> 01:20:01.985 sometimes patients need to make

NOTE Confidence: 0.78169079

01:20:01.985 --> 01:20:04.220 adaptations to their diet or just have

NOTE Confidence: 0.78169079

01:20:04.220 --> 01:20:06.385 changes in their appetite so we can

NOTE Confidence: 0.78169079

01:20:06.385 --> 01:20:08.590 often refer when we can refer patients

NOTE Confidence: 0.78169079

01:20:08.665 --> 01:20:11.191 to our nutrition services and the

NOTE Confidence: 0.78169079

01:20:11.191 --> 01:20:13.403 registered dietitians can meet with

NOTE Confidence: 0.78169079

01:20:13.403 --> 01:20:15.703 patients either during their clinical

NOTE Confidence: 0.78169079

01:20:15.703 --> 01:20:17.925 appointment or during their treatments.

NOTE Confidence: 0.78169079

01:20:17.925 --> 01:20:20.925 You just have to ask the team or

NOTE Confidence: 0.78169079

01:20:20.925 --> 01:20:23.808 let us know if you want to do that.

NOTE Confidence: 0.78169079

01:20:23.810 --> 01:20:27.056 Palliative care UM again is a

NOTE Confidence: 0.78169079

01:20:27.056 --> 01:20:30.050 wonderful additional layer of support.

NOTE Confidence: 0.78169079

01:20:30.050 --> 01:20:31.877 That I think it can be important

NOTE Confidence: 0.78169079

01:20:31.877 --> 01:20:33.979 to start it even from the point

NOTE Confidence: 0.78169079

01:20:33.979 --> 01:20:35.863 of diagnosis in terms of offering

NOTE Confidence: 0.78169079

01:20:35.930 --> 01:20:37.498 specialized symptom management and

NOTE Confidence: 0.78169079

01:20:37.498 --> 01:20:40.235 again looking at the whole body to

NOTE Confidence: 0.78169079

01:20:40.235 --> 01:20:42.545 the whole person to really support

NOTE Confidence: 0.78169079

01:20:42.545 --> 01:20:43.700 quality of life.

NOTE Confidence: 0.78169079

01:20:43.700 --> 01:20:46.946 Italian carry things also carries a

NOTE Confidence: 0.78169079

01:20:46.946 --> 01:20:49.430 stigma or misunderstanding about it.

NOTE Confidence: 0.78169079

01:20:49.430 --> 01:20:51.495 Palliative care can be offered

NOTE Confidence: 0.78169079

01:20:51.495 --> 01:20:52.734 concurrently with disease,

NOTE Confidence: 0.78169079

01:20:52.740 --> 01:20:53.830 modifying or even cure it.

NOTE Confidence: 0.78169079

01:20:53.830 --> 01:20:54.502 If treatment,
NOTE Confidence: 0.78169079

01:20:54.502 --> 01:20:54.838 again,
NOTE Confidence: 0.78169079

01:20:54.838 --> 01:20:57.190 it's another team that you can have
NOTE Confidence: 0.78169079

01:20:57.255 --> 01:20:59.451 access to to increase the support
NOTE Confidence: 0.78169079

01:20:59.451 --> 01:21:01.588 throughout your cancer care doctor pastick,
NOTE Confidence: 0.78169079

01:21:01.588 --> 01:21:03.592 you two did a great job
NOTE Confidence: 0.78169079

01:21:03.592 --> 01:21:04.660 explaining pulmonary rehab.
NOTE Confidence: 0.78169079

01:21:04.660 --> 01:21:07.047 A number of the patients that I've
NOTE Confidence: 0.78169079

01:21:07.047 --> 01:21:08.898 worked with have anybody I've spoken
NOTE Confidence: 0.78169079

01:21:08.898 --> 01:21:10.554 to has only said really positive,
NOTE Confidence: 0.78169079

01:21:10.560 --> 01:21:11.115 wonderful,
NOTE Confidence: 0.78169079

01:21:11.115 --> 01:21:13.890 wonderful things about their participation.
NOTE Confidence: 0.78169079

01:21:13.890 --> 01:21:18.150 In the program that we offer and just.
NOTE Confidence: 0.78169079

01:21:18.150 --> 01:21:19.938 They've said just what an impact
NOTE Confidence: 0.78169079

01:21:19.938 --> 01:21:21.130 that's had on their
NOTE Confidence: 0.911082449310345

01:21:21.193 --> 01:21:23.559 quality of life by just providing tactics

NOTE Confidence: 0.911082449310345
01:21:23.559 --> 01:21:26.090 or exercises they can use to really
NOTE Confidence: 0.911082449310345
01:21:26.090 --> 01:21:27.905 improve their their pulmonary function.
NOTE Confidence: 0.911082449310345
01:21:27.910 --> 01:21:30.364 Lisa, as I said, you discuss
NOTE Confidence: 0.911082449310345
01:21:30.364 --> 01:21:32.000 the tobacco treatment program.
NOTE Confidence: 0.911082449310345
01:21:32.000 --> 01:21:34.496 Of course, we really want to be able
NOTE Confidence: 0.911082449310345
01:21:34.496 --> 01:21:36.937 to maximize ones response to treatment,
NOTE Confidence: 0.911082449310345
01:21:36.940 --> 01:21:40.052 and so by tapping into the services and
NOTE Confidence: 0.911082449310345
01:21:40.052 --> 01:21:42.378 supports available for tobacco treatment,
NOTE Confidence: 0.911082449310345
01:21:42.380 --> 01:21:44.774 they'll be able to use counseling
NOTE Confidence: 0.911082449310345
01:21:44.774 --> 01:21:46.370 and perhaps some pharmacologic
NOTE Confidence: 0.911082449310345
01:21:46.434 --> 01:21:48.179 techniques to help you with.
NOTE Confidence: 0.911082449310345
01:21:48.180 --> 01:21:51.669 That tobacco addiction.
NOTE Confidence: 0.911082449310345
01:21:51.670 --> 01:21:54.290 Spiritual care, both in the
NOTE Confidence: 0.911082449310345
01:21:54.290 --> 01:21:56.386 ambulatory and outpatient setting.
NOTE Confidence: 0.911082449310345
01:21:56.390 --> 01:21:59.862 We do have access to licensed Chaplains
NOTE Confidence: 0.911082449310345

01:21:59.862 --> 01:22:03.198 Board certified chaplains come from a number
NOTE Confidence: 0.911082449310345

01:22:03.198 --> 01:22:05.508 of different multi faith backgrounds,
NOTE Confidence: 0.911082449310345

01:22:05.510 --> 01:22:07.877 and I I think of course for many people
NOTE Confidence: 0.911082449310345

01:22:07.877 --> 01:22:09.749 their spiritual spirituality is an
NOTE Confidence: 0.911082449310345

01:22:09.749 --> 01:22:12.540 important component and how they cope and
NOTE Confidence: 0.911082449310345

01:22:12.540 --> 01:22:14.590 navigate their experience with cancer.
NOTE Confidence: 0.911082449310345

01:22:14.590 --> 01:22:17.074 So we want you to be able to access
NOTE Confidence: 0.911082449310345

01:22:17.074 --> 01:22:19.767 that through your appointments with us.
NOTE Confidence: 0.911082449310345

01:22:19.770 --> 01:22:21.760 Our therapy is another one.
NOTE Confidence: 0.911082449310345

01:22:21.760 --> 01:22:23.902 Uhm, they work very closely with
NOTE Confidence: 0.911082449310345

01:22:23.902 --> 01:22:24.616 palliative care,
NOTE Confidence: 0.911082449310345

01:22:24.620 --> 01:22:26.944 but they offer a number of different
NOTE Confidence: 0.911082449310345

01:22:26.944 --> 01:22:28.340 supportive programs throughout smilow.
NOTE Confidence: 0.911082449310345

01:22:28.340 --> 01:22:29.100 And lastly,
NOTE Confidence: 0.911082449310345

01:22:29.100 --> 01:22:31.000 we also do offer bereavement
NOTE Confidence: 0.911082449310345

01:22:31.000 --> 01:22:31.760 support services,

NOTE Confidence: 0.911082449310345
01:22:31.760 --> 01:22:34.000 support groups and individual counseling
NOTE Confidence: 0.911082449310345
01:22:34.000 --> 01:22:36.962 for family members who've lost a loved
NOTE Confidence: 0.911082449310345
01:22:36.962 --> 01:22:39.265 one to cancer within the health system.
NOTE Confidence: 0.911082449310345
01:22:39.270 --> 01:22:40.650 Next slide please.
NOTE Confidence: 0.911082449310345
01:22:40.650 --> 01:22:43.410 Oh, I got through my slides.
NOTE Confidence: 0.911082449310345
01:22:43.410 --> 01:22:44.610 That's my contact information.
NOTE Confidence: 0.911082449310345
01:22:44.610 --> 01:22:45.510 Like I said,
NOTE Confidence: 0.911082449310345
01:22:45.510 --> 01:22:47.498 I mean my hope is always to
NOTE Confidence: 0.911082449310345
01:22:47.498 --> 01:22:48.770 admit everybody working with
NOTE Confidence: 0.911082449310345
01:22:48.770 --> 01:22:50.198 the thoracic oncology team.
NOTE Confidence: 0.911082449310345
01:22:50.200 --> 01:22:51.915 Certainly if we have not met and
NOTE Confidence: 0.911082449310345
01:22:51.915 --> 01:22:53.164 you're interested in speaking to
NOTE Confidence: 0.911082449310345
01:22:53.164 --> 01:22:54.781 me or learning a little bit more
NOTE Confidence: 0.911082449310345
01:22:54.781 --> 01:22:56.105 about the services that we might
NOTE Confidence: 0.911082449310345
01:22:56.105 --> 01:22:57.441 be able to work on together,
NOTE Confidence: 0.911082449310345

01:22:57.441 --> 01:22:58.896 please give me a call.
NOTE Confidence: 0.903184632

01:23:00.740 --> 01:23:01.980 Kelly, thank you so much.
NOTE Confidence: 0.903184632

01:23:01.980 --> 01:23:05.160 That was an amazing, amazing overview.
NOTE Confidence: 0.903184632

01:23:05.160 --> 01:23:08.640 We the participants here the the
NOTE Confidence: 0.903184632

01:23:08.640 --> 01:23:10.866 providers and all the patients are so
NOTE Confidence: 0.903184632

01:23:10.866 --> 01:23:13.390 lucky to have you as part of our team.
NOTE Confidence: 0.903184632

01:23:13.390 --> 01:23:14.506 So thank you for sharing the
NOTE Confidence: 0.927619602

01:23:14.520 --> 01:23:15.910 best team but thank you.
NOTE Confidence: 0.76935709125

01:23:17.970 --> 01:23:21.410 So we're we're almost out of time here,
NOTE Confidence: 0.76935709125

01:23:21.410 --> 01:23:24.139 and I wanted to do one last thing, which
NOTE Confidence: 0.76935709125

01:23:24.139 --> 01:23:27.460 is give all of the panelists a chance to.
NOTE Confidence: 0.76935709125

01:23:27.460 --> 01:23:30.400 Say one or one and or two things one is
NOTE Confidence: 0.76935709125

01:23:30.475 --> 01:23:33.427 I'd love for everyone to tell us what
NOTE Confidence: 0.76935709125

01:23:33.427 --> 01:23:35.899 they either they could tell us what
NOTE Confidence: 0.76935709125

01:23:35.899 --> 01:23:38.348 they see as the most exciting, amazing,
NOTE Confidence: 0.76935709125

01:23:38.348 --> 01:23:41.106 wonderful advance in in lung cancer in

NOTE Confidence: 0.76935709125

01:23:41.106 --> 01:23:43.669 recent years or what they they predict for

NOTE Confidence: 0.76935709125

01:23:43.669 --> 01:23:46.176 the future in the next couple of years.

NOTE Confidence: 0.76935709125

01:23:46.180 --> 01:23:47.116 Or you could tell us both.

NOTE Confidence: 0.76935709125

01:23:47.120 --> 01:23:51.600 If you're feeling ambitious. Uhm?

NOTE Confidence: 0.76935709125

01:23:51.600 --> 01:23:53.304 Roy, do you want to start us out?

NOTE Confidence: 0.855029791428571

01:23:53.900 --> 01:23:55.748 I was worried you'd pick me first.

NOTE Confidence: 0.869555490769231

01:23:55.880 --> 01:23:57.344 I could go first if you if you

NOTE Confidence: 0.869555490769231

01:23:57.344 --> 01:23:58.428 haven't thought of something yet,

NOTE Confidence: 0.929257177142857

01:23:58.560 --> 01:24:00.429 why don't you demonstrate how it's done?

NOTE Confidence: 0.8528823575

01:24:01.450 --> 01:24:03.472 I I never thought of anything

NOTE Confidence: 0.8528823575

01:24:03.472 --> 01:24:04.969 yet either, so you know,

NOTE Confidence: 0.8528823575

01:24:04.969 --> 01:24:06.880 I think I'll need to answer both,

NOTE Confidence: 0.8528823575

01:24:06.880 --> 01:24:08.560 but I'll, they're sort of similar

NOTE Confidence: 0.8528823575

01:24:08.560 --> 01:24:10.476 and I'll also answer one of the

NOTE Confidence: 0.8528823575

01:24:10.476 --> 01:24:11.964 questions that was posted at the

NOTE Confidence: 0.8528823575

01:24:11.964 --> 01:24:13.914 same time like that, so you know,
NOTE Confidence: 0.8528823575

01:24:13.914 --> 01:24:16.146 I think this is part of what what
NOTE Confidence: 0.8528823575

01:24:16.146 --> 01:24:17.874 Dan and I both talked about as well.
NOTE Confidence: 0.8528823575

01:24:17.880 --> 01:24:20.218 You know we have seen such amazing
NOTE Confidence: 0.8528823575

01:24:20.218 --> 01:24:22.633 advances in how we're able to
NOTE Confidence: 0.8528823575

01:24:22.633 --> 01:24:24.425 personalize treatment for cancer,
NOTE Confidence: 0.8528823575

01:24:24.430 --> 01:24:26.026 lots of different cancers,
NOTE Confidence: 0.8528823575

01:24:26.026 --> 01:24:28.833 but I think I'm probably most of
NOTE Confidence: 0.8528823575

01:24:28.833 --> 01:24:29.847 all lung cancer.
NOTE Confidence: 0.8528823575

01:24:29.850 --> 01:24:31.404 You know we're able to understand
NOTE Confidence: 0.8528823575

01:24:31.404 --> 01:24:33.103 what's happening at the level of the
NOTE Confidence: 0.8528823575

01:24:33.103 --> 01:24:35.018 tumor and and really try to match that
NOTE Confidence: 0.8528823575

01:24:35.018 --> 01:24:37.247 to the best treatment for the patient.
NOTE Confidence: 0.8528823575

01:24:37.250 --> 01:24:39.406 And I think that is going to
NOTE Confidence: 0.8528823575

01:24:39.406 --> 01:24:40.330 expand even more.
NOTE Confidence: 0.8528823575

01:24:40.330 --> 01:24:41.786 I think in a few years I'm going

NOTE Confidence: 0.8528823575

01:24:41.786 --> 01:24:43.212 to show another pie chart with

NOTE Confidence: 0.8528823575

01:24:43.212 --> 01:24:44.477 even more pieces filled in,

NOTE Confidence: 0.8528823575

01:24:44.480 --> 01:24:45.888 and this is getting to the to answer.

NOTE Confidence: 0.8528823575

01:24:45.890 --> 01:24:48.305 One of the questions that was asked.

NOTE Confidence: 0.8528823575

01:24:48.310 --> 01:24:50.446 I think some of our targeted

NOTE Confidence: 0.8528823575

01:24:50.446 --> 01:24:51.870 therapies work incredibly well,

NOTE Confidence: 0.8528823575

01:24:51.870 --> 01:24:53.490 but they are not curing cancer,

NOTE Confidence: 0.8528823575

01:24:53.490 --> 01:24:55.954 and so I think now we're really starting

NOTE Confidence: 0.8528823575

01:24:55.954 --> 01:24:58.218 to understand more and more about what

NOTE Confidence: 0.8528823575

01:24:58.218 --> 01:24:59.817 happens when drugs become become.

NOTE Confidence: 0.8528823575

01:24:59.817 --> 01:25:01.125 Not effective when resistance

NOTE Confidence: 0.8528823575

01:25:01.125 --> 01:25:03.060 develops and how to overcome that.

NOTE Confidence: 0.8528823575

01:25:03.060 --> 01:25:04.754 So that's my prediction is that that

NOTE Confidence: 0.8528823575

01:25:04.754 --> 01:25:06.539 pie will be filled in even more,

NOTE Confidence: 0.8528823575

01:25:06.540 --> 01:25:08.454 so we understand lung cancer better

NOTE Confidence: 0.8528823575

01:25:08.454 --> 01:25:10.855 and we're able to to treat that the
NOTE Confidence: 0.8528823575

01:25:10.855 --> 01:25:13.170 cancer even at the time of resistance.
NOTE Confidence: 0.90719086

01:25:15.230 --> 01:25:15.570 OK,
NOTE Confidence: 0.93762742

01:25:16.620 --> 01:25:20.448 OK so. I think the biggest
NOTE Confidence: 0.93762742

01:25:20.448 --> 01:25:22.990 advance in lung cancer has has
NOTE Confidence: 0.93762742

01:25:22.990 --> 01:25:24.890 been the multi modality approach.
NOTE Confidence: 0.93762742

01:25:24.890 --> 01:25:26.850 The fact that you know
NOTE Confidence: 0.93762742

01:25:26.850 --> 01:25:28.810 when I was in training,
NOTE Confidence: 0.93762742

01:25:28.810 --> 01:25:31.366 you know we we had surgery.
NOTE Confidence: 0.93762742

01:25:31.370 --> 01:25:32.718 Of course, radiations evolved
NOTE Confidence: 0.93762742

01:25:32.718 --> 01:25:35.120 over the years as we've heard from
NOTE Confidence: 0.93762742

01:25:35.120 --> 01:25:37.046 Henry so much more precise and
NOTE Confidence: 0.93762742

01:25:37.046 --> 01:25:38.756 effective and now chemotherapy,
NOTE Confidence: 0.93762742

01:25:38.756 --> 01:25:40.942 biologic and targeted therapy all
NOTE Confidence: 0.93762742

01:25:40.942 --> 01:25:42.934 being used to get for patients.
NOTE Confidence: 0.93762742

01:25:42.940 --> 01:25:44.837 So I I think that that's that's

NOTE Confidence: 0.93762742

01:25:44.837 --> 01:25:46.100 that's really the events.

NOTE Confidence: 0.93762742

01:25:46.100 --> 01:25:47.844 Every everything working together.

NOTE Confidence: 0.93762742

01:25:47.844 --> 01:25:50.024 Little bit of an echo.

NOTE Confidence: 0.93762742

01:25:50.030 --> 01:25:52.500 Someone should mute the my

NOTE Confidence: 0.93762742

01:25:52.500 --> 01:25:54.476 prediction for the future.

NOTE Confidence: 0.9903077

01:25:56.840 --> 01:25:58.950 Is that in the future what

NOTE Confidence: 0.9903077

01:25:58.950 --> 01:26:01.639 we're going to do is right now.

NOTE Confidence: 0.9903077

01:26:01.640 --> 01:26:02.825 We use immunotherapy,

NOTE Confidence: 0.9903077

01:26:02.825 --> 01:26:06.352 and it's really good for about one in five

NOTE Confidence: 0.9903077

01:26:06.352 --> 01:26:09.112 people and in the rest it's helping them,

NOTE Confidence: 0.9903077

01:26:09.120 --> 01:26:11.227 but we feel it could do better.

NOTE Confidence: 0.9903077

01:26:11.230 --> 01:26:12.136 And I think what we're going

NOTE Confidence: 0.9903077

01:26:12.136 --> 01:26:13.040 to do in the future.

NOTE Confidence: 0.9903077

01:26:13.040 --> 01:26:14.580 And I, I, I'm hoping our group

NOTE Confidence: 0.9903077

01:26:14.580 --> 01:26:16.397 will be in the lead in that

NOTE Confidence: 0.9903077

01:26:16.397 --> 01:26:18.003 'cause we're putting our efforts
NOTE Confidence: 0.9903077

01:26:18.003 --> 01:26:20.518 or resources the hospital Smile,
NOTE Confidence: 0.9903077

01:26:20.520 --> 01:26:21.182 Cancer Hospital,
NOTE Confidence: 0.9903077

01:26:21.182 --> 01:26:22.837 Yale Medical School is very
NOTE Confidence: 0.9903077

01:26:22.837 --> 01:26:24.993 committed is we're going to try
NOTE Confidence: 0.9903077

01:26:24.993 --> 01:26:26.097 to personalize immunotherapy.
NOTE Confidence: 0.9903077

01:26:26.100 --> 01:26:27.280 For that, I mean.
NOTE Confidence: 0.9903077

01:26:27.280 --> 01:26:29.390 You'll come in and we'll figure out
NOTE Confidence: 0.9903077

01:26:29.390 --> 01:26:31.606 why the tumor is or is not responding
NOTE Confidence: 0.9903077

01:26:31.606 --> 01:26:33.330 well to these immunizations,
NOTE Confidence: 0.9903077

01:26:33.330 --> 01:26:35.118 and will put a cocktail together
NOTE Confidence: 0.9903077

01:26:35.118 --> 01:26:36.668 that's better that's going to
NOTE Confidence: 0.9903077

01:26:36.668 --> 01:26:38.248 start with our clinical trials.
NOTE Confidence: 0.9903077

01:26:38.250 --> 01:26:39.074 But then after that,
NOTE Confidence: 0.9903077

01:26:39.074 --> 01:26:40.574 we're going to try to hopefully make
NOTE Confidence: 0.9903077

01:26:40.574 --> 01:26:41.870 those into new standards of care.

NOTE Confidence: 0.9903077

01:26:41.870 --> 01:26:43.638 So I think that we can do better.

NOTE Confidence: 0.9903077

01:26:43.640 --> 01:26:45.332 We're doing better already,

NOTE Confidence: 0.9903077

01:26:45.332 --> 01:26:48.428 but we want to continue to find

NOTE Confidence: 0.9903077

01:26:48.428 --> 01:26:50.873 even better and more effective

NOTE Confidence: 0.9903077

01:26:50.873 --> 01:26:52.340 and safer therapies.

NOTE Confidence: 0.84963676

01:26:55.780 --> 01:26:59.416 Mike owner, tell us your thoughts.

NOTE Confidence: 0.84963676

01:26:59.420 --> 01:27:01.250 Uhm, I don't know that

NOTE Confidence: 0.8696255575

01:27:01.260 --> 01:27:02.448 I can pinpoint one

NOTE Confidence: 0.94348274

01:27:02.460 --> 01:27:04.146 advance, but I think you know,

NOTE Confidence: 0.94348274

01:27:04.150 --> 01:27:06.201 especially what's probably the most

NOTE Confidence: 0.94348274

01:27:06.201 --> 01:27:08.818 important to the to the patients and

NOTE Confidence: 0.94348274

01:27:08.820 --> 01:27:10.484 and the people who are listening to this

NOTE Confidence: 0.9376417233333333

01:27:10.500 --> 01:27:13.370 is with all of these advances, not later.

NOTE Confidence: 0.909881267142857

01:27:13.380 --> 01:27:14.703 People living longer,

NOTE Confidence: 0.909881267142857

01:27:14.703 --> 01:27:16.467 but they're living better.

NOTE Confidence: 0.909881267142857

01:27:16.470 --> 01:27:19.358 Uhm, you know, I know Dan had talked
NOTE Confidence: 0.909881267142857

01:27:19.358 --> 01:27:22.400 about Hammer and the nail, and
NOTE Confidence: 0.77566324

01:27:21.320 --> 01:27:22.390 I think more and more. We've
NOTE Confidence: 0.90285163

01:27:22.400 --> 01:27:24.260 moved away from the hamburger approach.
NOTE Confidence: 0.90285163

01:27:24.260 --> 01:27:27.990 You know of toxic chemotherapy of
NOTE Confidence: 0.90285163

01:27:27.990 --> 01:27:30.760 radiating large parts of the body of,
NOTE Confidence: 0.90285163

01:27:30.760 --> 01:27:32.240 you know, as Roy said,
NOTE Confidence: 0.90285163

01:27:32.240 --> 01:27:34.826 you know from surgery that required
NOTE Confidence: 0.90285163

01:27:34.826 --> 01:27:38.060 major open procedures to using robots.
NOTE Confidence: 0.90285163

01:27:38.060 --> 01:27:40.459 So people have recovering quicker.
NOTE Confidence: 0.90285163

01:27:40.460 --> 01:27:41.660 They're experiencing less
NOTE Confidence: 0.90285163

01:27:41.660 --> 01:27:43.618 short and long term toxicity.
NOTE Confidence: 0.90285163

01:27:43.620 --> 01:27:45.163 And with all those years
NOTE Confidence: 0.90285163

01:27:45.163 --> 01:27:46.127 that they're living longer,
NOTE Confidence: 0.90285163

01:27:46.130 --> 01:27:46.836 they're living.
NOTE Confidence: 0.90285163

01:27:46.836 --> 01:27:48.248 Better and and that's

NOTE Confidence: 0.942918652

01:27:48.260 --> 01:27:49.140 what we want is we

NOTE Confidence: 0.90796125625

01:27:49.150 --> 01:27:50.654 want our patients to be able to enjoy

NOTE Confidence: 0.922493985

01:27:50.670 --> 01:27:52.020 that time as best they can.

NOTE Confidence: 0.807114047

01:27:53.730 --> 01:27:56.770 Well said OK, I won't make all of you answer,

NOTE Confidence: 0.807114047

01:27:56.770 --> 01:27:58.168 especially since we're low on time.

NOTE Confidence: 0.807114047

01:27:58.170 --> 01:28:00.879 Does anybody else want to give some

NOTE Confidence: 0.807114047

01:28:00.879 --> 01:28:03.630 thoughts on advances or future predictions?

NOTE Confidence: 0.807114047

01:28:03.630 --> 01:28:06.184 Jenn, I just. I think the only thing

NOTE Confidence: 0.807114047

01:28:06.184 --> 01:28:07.480 I would add to that as a variation

NOTE Confidence: 0.915762011

01:28:07.490 --> 01:28:08.990 on things. I really think the

NOTE Confidence: 0.915762011

01:28:08.990 --> 01:28:10.540 precision medicine is that it's the.

NOTE Confidence: 0.915762011

01:28:10.540 --> 01:28:12.985 It's the key that's unlocking the boxes

NOTE Confidence: 0.915762011

01:28:12.985 --> 01:28:15.970 is that it's made cancer therapy more

NOTE Confidence: 0.93878295

01:28:15.980 --> 01:28:17.318 accessible for more

NOTE Confidence: 0.943862471428572

01:28:17.330 --> 01:28:19.382 of my patients. So my patients

NOTE Confidence: 0.943862471428572

01:28:19.382 --> 01:28:21.534 who have other health conditions,
NOTE Confidence: 0.943862471428572

01:28:21.534 --> 01:28:24.190 particularly underlying lung disease,
NOTE Confidence: 0.943862471428572

01:28:24.190 --> 01:28:25.446 who may be older,
NOTE Confidence: 0.943862471428572

01:28:25.446 --> 01:28:27.710 who may have had other therapies
NOTE Confidence: 0.943862471428572

01:28:27.710 --> 01:28:31.037 already that they've moved through it.
NOTE Confidence: 0.943862471428572

01:28:31.037 --> 01:28:33.299 It's just really made it it
NOTE Confidence: 0.943862471428572

01:28:33.299 --> 01:28:35.979 made a world of possibilities.
NOTE Confidence: 0.943862471428572

01:28:35.980 --> 01:28:38.126 For them, in terms of treating
NOTE Confidence: 0.943862471428572

01:28:38.126 --> 01:28:39.756 and living with their lung
NOTE Confidence: 0.943862471428572

01:28:39.756 --> 01:28:41.350 cancer in an effective way.
NOTE Confidence: 0.8512005025

01:28:43.670 --> 01:28:44.310 It's a great point.
NOTE Confidence: 0.89788941375

01:28:46.490 --> 01:28:50.034 Right any any last comments from the panel?
NOTE Confidence: 0.89788941375

01:28:50.040 --> 01:28:51.660 And where you going, you're not
NOTE Confidence: 0.89788941375

01:28:51.660 --> 01:28:53.780 gonna give us a prediction today.
NOTE Confidence: 0.89788941375

01:28:53.780 --> 01:28:55.230 Why I think, yeah, I
NOTE Confidence: 0.68068665

01:28:55.640 --> 01:28:57.120 think they don't want so

NOTE Confidence: 0.68068665

01:28:57.120 --> 01:28:58.338 I'm gonna hold off for now,

NOTE Confidence: 0.68068665

01:28:58.340 --> 01:29:00.786 but I I think the combination of SBRT

NOTE Confidence: 0.68068665

01:29:00.786 --> 01:29:02.398 with immunotherapy another target

NOTE Confidence: 0.68068665

01:29:02.398 --> 01:29:05.020 database is really the future as well.

NOTE Confidence: 0.886324313333333

01:29:05.050 --> 01:29:06.040 I think that's a great point.

NOTE Confidence: 0.886324313333333

01:29:06.040 --> 01:29:07.800 Besides combining drugs, it's combining

NOTE Confidence: 0.886324313333333

01:29:07.800 --> 01:29:10.300 the different modalities as well.

NOTE Confidence: 0.886324313333333

01:29:10.300 --> 01:29:12.819 Great, OK, well thank you so much to

NOTE Confidence: 0.886324313333333

01:29:12.819 --> 01:29:15.016 all of the panelists for participating

NOTE Confidence: 0.886324313333333

01:29:15.016 --> 01:29:17.722 and giving us your amazing expert

NOTE Confidence: 0.886324313333333

01:29:17.722 --> 01:29:19.398 insights into this disease.

NOTE Confidence: 0.886324313333333

01:29:19.400 --> 01:29:21.430 And of course, to all of our

NOTE Confidence: 0.886324313333333

01:29:21.430 --> 01:29:22.801 participants are patients and families

NOTE Confidence: 0.886324313333333

01:29:22.801 --> 01:29:24.487 and everyone else who are here.

NOTE Confidence: 0.886324313333333

01:29:24.490 --> 01:29:25.640 Thank you for joining us.

NOTE Confidence: 0.886324313333333

01:29:25.640 --> 01:29:28.430 Thank you for for for listening

NOTE Confidence: 0.886324313333333

01:29:28.430 --> 01:29:31.076 and asking all these wonderful

NOTE Confidence: 0.886324313333333

01:29:31.076 --> 01:29:33.378 questions and see you all soon.

NOTE Confidence: 0.83511905

01:29:34.140 --> 01:29:36.261 Thank you Sarah for doing a wonderful

NOTE Confidence: 0.83511905

01:29:36.261 --> 01:29:39.510 job moderating. Of course, thank you.

NOTE Confidence: 0.5699632

01:29:40.970 --> 01:29:42.000 Goodnight everybody.