WEBVTT

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

NOTE Confidence: 0.9486805

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

NOTE Confidence: 0.9486805

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

NOTE Confidence: 0.9401133

00:00:06.240 --> 00:00:08.160 Welcome to Yale Cancer Answers

NOTE Confidence: 0.9401133

00:00:08.160 --> 00:00:09.200 with the director of the

NOTE Confidence: 0.9401133

00:00:09.200 --> 00:00:10.880 Yale Cancer Center, doctor Eric

NOTE Confidence: 0.9401133

00:00:10.880 --> 00:00:11.380 Winer.

NOTE Confidence: 0.9664466

00:00:11.920 --> 00:00:13.705 Yale Cancer Answers features

NOTE Confidence: 0.9664466

00:00:13.705 --> 00:00:16.025 conversations with oncologists and specialists

NOTE Confidence: 0.9664466

00:00:16.025 --> 00:00:16.985 who are on the forefront

NOTE Confidence: 0.9664466

00:00:16.985 --> 00:00:18.025 of the battle to fight

NOTE Confidence: 0.9664466

00:00:18.025 --> 00:00:18.525 cancer.

NOTE Confidence: 0.9509943

00:00:19.065 --> 00:00:20.364 This week, it's a conversation

NOTE Confidence: 0.9509943

00:00:20.505 --> 00:00:21.864 about head and neck cancers

NOTE Confidence: 0.9509943

00:00:21.864 --> 00:00:23.864 with doctor Saral Mehra. Doctor

NOTE Confidence: 0.9509943

00:00:23.864 --> 00:00:25.465 Mehra is an associate professor

NOTE Confidence: 0.9509943

00:00:25.465 --> 00:00:26.765 of surgery and otolaryngology

NOTE Confidence: 0.9939377

00:00:27.305 --> 00:00:28.345 at the Yale School of

NOTE Confidence: 0.9939377

00:00:28.345 --> 00:00:28.845 Medicine.

NOTE Confidence: 0.9245674

00:00:29.340 --> 00:00:30.400 Here's doctor Winer.

00:00:32.540 --> 00:00:34.060 How is it that

NOTE Confidence: 0.9997911

00:00:34.460 --> 00:00:36.000 someone becomes interested

NOTE Confidence: 0.9876538

00:00:37.739 --> 00:00:39.340 in the field of ear,

NOTE Confidence: 0.9876538

00:00:39.340 --> 00:00:40.479 nose, and throat?

NOTE Confidence: 0.9633597

00:00:41.580 --> 00:00:43.200 And then more specifically,

NOTE Confidence: 0.9137215

00:00:44.635 --> 00:00:45.675 how is it that you

NOTE Confidence: 0.9137215

00:00:45.675 --> 00:00:46.414 got interested

NOTE Confidence: 0.9982383

00:00:47.354 --> 00:00:49.754 in cancers that arise in

NOTE Confidence: 0.9982383

00:00:49.754 --> 00:00:51.594 this region that is the

NOTE Confidence: 0.9982383

00:00:51.594 --> 00:00:52.495 head and neck?

NOTE Confidence: 0.99091524

00:00:53.434 --> 00:00:54.315 So when I was

NOTE Confidence: 0.99091524

00:00:54.315 --> 00:00:55.835 in medical school in New

NOTE Confidence: 0.99091524

00:00:55.835 --> 00:00:56.495 York City,

NOTE Confidence: 0.96900785

00:00:57.370 --> 00:00:58.410 I didn't know what

NOTE Confidence: 0.96900785

00:00:58.410 --> 00:00:59.770 ENT was barely. I thought

NOTE Confidence: 0.96900785

00:00:59.770 --> 00:01:01.370 maybe they'd take some tonsils

NOTE Confidence: 0.96900785

00:01:01.370 --> 00:01:02.489 out, put some ear tubes

NOTE Confidence: 0.96900785

00:01:02.489 --> 00:01:03.610 in, but it had a

NOTE Confidence: 0.96900785

00:01:03.610 --> 00:01:04.670 mandatory rotation.

NOTE Confidence: 0.9979562

00:01:05.209 --> 00:01:06.409 And what I loved about

NOTE Confidence: 0.9979562

00:01:06.409 --> 00:01:06.909 ENT,

NOTE Confidence: 0.93418276

00:01:08.090 --> 00:01:09.150 right off the bat, was

00:01:10.490 --> 00:01:11.610 I realized that they did

NOTE Confidence: 0.919356

00:01:11.610 --> 00:01:12.750 surgeries that

NOTE Confidence: 0.9601511

00:01:13.225 --> 00:01:14.744 I did not imagine an

NOTE Confidence: 0.9601511

00:01:14.744 --> 00:01:17.145 ENT surgeon, in my idea

NOTE Confidence: 0.9601511

00:01:17.145 --> 00:01:18.584 of one, would do, but

NOTE Confidence: 0.9601511

00:01:18.584 --> 00:01:20.284 more importantly, the culture

NOTE Confidence: 0.8916619

00:01:20.825 --> 00:01:22.604 of ENT surgeons and otolaryngologist

NOTE Confidence: 0.8916619

00:01:22.664 --> 00:01:24.344 just fit with me.

NOTE Confidence: 0.8916619

00:01:24.344 --> 00:01:25.725 They worked hard,

NOTE Confidence: 0.961935

00:01:26.584 --> 00:01:28.185 did some really delicate fine

NOTE Confidence: 0.961935

00:01:28.185 --> 00:01:29.760 work, and had a

NOTE Confidence: 0.961935

00:01:29.760 --> 00:01:30.960 good time doing it. And

NOTE Confidence: 0.961935

00:01:30.960 --> 00:01:32.080 I thought this is the

NOTE Confidence: 0.961935

00:01:32.080 --> 00:01:33.600 type of culture and specialty

NOTE Confidence: 0.961935

00:01:33.600 --> 00:01:34.580 I wanna be in.

00:01:36.160 --> 00:01:37.520 That's great.

NOTE Confidence: 0.93285793

00:01:37.520 --> 00:01:38.480 And it's

NOTE Confidence: 0.93285793

00:01:38.480 --> 00:01:39.620 an area where

NOTE Confidence: 0.99524

00:01:40.080 --> 00:01:42.020 the anatomy is really complicated.

NOTE Confidence: 0.99524

00:01:42.240 --> 00:01:43.040 I mean, there are all

NOTE Confidence: 0.99524

00:01:43.040 --> 00:01:43.860 these structures in

00:01:45.125 --> 00:01:47.704 our nose, mouth, throat,

NOTE Confidence: 0.99488103

00:01:48.884 --> 00:01:50.664 that just are all

NOTE Confidence: 0.96189

00:01:51.125 --> 00:01:52.744 very close to one another

NOTE Confidence: 0.96189

00:01:52.804 --> 00:01:54.405 and yet serve very different

NOTE Confidence: 0.96189

00:01:54.405 --> 00:01:54.905 functions.

NOTE Confidence: 0.98857456

00:01:55.685 --> 00:01:57.204 Totally agree. And that's really

NOTE Confidence: 0.98857456

00:01:57.204 --> 00:01:58.320 what I enjoyed about it too.

NOTE Confidence: 0.98857456

00:01:58.320 --> 00:01:59.760 Working in the nose,

NOTE Confidence: 0.98857456

00:01:59.760 --> 00:02:00.960 you're right next to the

NOTE Confidence: 0.98857456

00:02:00.960 --> 00:02:02.400 eye and the brain.

NOTE Confidence: 0.98857456

00:02:02.400 --> 00:02:03.440 You're working in the neck,

NOTE Confidence: 0.98857456

00:02:03.440 --> 00:02:05.120 you're near important cranial nerves

NOTE Confidence: 0.98857456

00:02:05.120 --> 00:02:06.260 that move the tongue

NOTE Confidence: 0.8081523

00:02:06.720 --> 00:02:07.200 that

NOTE Confidence: 0.99526197

00:02:07.600 --> 00:02:09.780 help with speech and breathing.

NOTE Confidence: 0.9878623

00:02:10.480 --> 00:02:12.614 It's just really intricate fine

NOTE Confidence: 0.9878623

00:02:12.614 --> 00:02:14.215 anatomy and requires a lot

NOTE Confidence: 0.9878623

00:02:14.215 --> 00:02:15.974 of attention to detail, which,

NOTE Confidence: 0.9878623

00:02:15.974 --> 00:02:17.334 again, I thought really fit

NOTE Confidence: 0.9878623

00:02:17.334 --> 00:02:18.555 well with my personality.

NOTE Confidence: 0.9791594

00:02:19.415 --> 00:02:21.174 And when you made the

NOTE Confidence: 0.9791594

00:02:21.174 --> 00:02:21.674 decision to

00:02:23.014 --> 00:02:25.254 apply to residency programs in ENT

00:02:27.080 --> 00:02:28.220 ear, nose, and throat,

NOTE Confidence: 0.98038644

00:02:28.680 --> 00:02:29.720 did you know at that

NOTE Confidence: 0.98038644

00:02:29.720 --> 00:02:30.760 time that you were interested

NOTE Confidence: 0.98038644

00:02:30.760 --> 00:02:31.500 in cancer?

NOTE Confidence: 0.99986696

00:02:32.840 --> 00:02:33.340 Definitely not.

00:02:34.440 --> 00:02:36.380 In fact, it was almost

NOTE Confidence: 0.9420255

00:02:36.440 --> 00:02:37.639 on my short list of

NOTE Confidence: 0.9420255

00:02:37.639 --> 00:02:40.200 subspecialties within ENT I would

NOTE Confidence: 0.9420255

00:02:40.200 --> 00:02:41.175 probably not do.

NOTE Confidence: 0.8833324

00:02:41.655 --> 00:02:43.595 There were long, complicated

NOTE Confidence: 0.9985456

00:02:43.895 --> 00:02:44.395 surgeries,

NOTE Confidence: 0.95580864

00:02:44.775 --> 00:02:46.475 difficult patients, challenging,

NOTE Confidence: 0.99506974

00:02:48.455 --> 00:02:49.355 social issues,

NOTE Confidence: 0.9832573

00:02:50.375 --> 00:02:52.395 in addition to a disease

NOTE Confidence: 0.9832573

00:02:52.535 --> 00:02:53.355 that

NOTE Confidence: 0.95733213

00:02:54.730 --> 00:02:56.090 can be devastating to many

NOTE Confidence: 0.95733213

00:02:56.090 --> 00:02:56.590 patients.

00:02:58.250 --> 00:03:00.030 But during my journey in residency I

00:03:01.930 --> 00:03:03.550 saw head and neck cancer

NOTE Confidence: 0.971135

00:03:04.490 --> 00:03:06.090 done as a team and

NOTE Confidence: 0.971135

00:03:06.090 --> 00:03:06.910 done right.

NOTE Confidence: 0.957902

00:03:07.575 --> 00:03:09.575 And once I saw

NOTE Confidence: 0.957902

00:03:09.575 --> 00:03:10.775 the team approach to head

NOTE Confidence: 0.957902

00:03:10.775 --> 00:03:11.995 and neck cancer care,

NOTE Confidence: 0.9977046

00:03:12.455 --> 00:03:13.815 that's when I realized this

NOTE Confidence: 0.9977046

00:03:13.815 --> 00:03:15.195 was definitely the specialty

NOTE Confidence: 0.98031443

00:03:15.655 --> 00:03:17.035 for me.

NOTE Confidence: 0.93927765

00:03:19.980 --> 00:03:20.940 I played a

NOTE Confidence: 0.93927765

00:03:20.940 --> 00:03:22.400 lot of sports growing up,

NOTE Confidence: 0.93927765

00:03:22.460 --> 00:03:23.760 and I was

NOTE Confidence: 0.93927765

00:03:23.900 --> 00:03:24.780 a key member of

NOTE Confidence: 0.93927765

00:03:24.780 --> 00:03:25.820 a lot of different teams.

NOTE Confidence: 0.93927765

00:03:25.820 --> 00:03:26.780 I was a range guy,

NOTE Confidence: 0.93927765

00:03:26.780 --> 00:03:27.740 and that's what head neck

NOTE Confidence: 0.93927765

00:03:27.740 --> 00:03:28.860 cancer is. It's a

NOTE Confidence: 0.93927765

00:03:28.860 --> 00:03:29.680 team sport.

00:03:32.715 --> 00:03:34.655 People are very familiar with

NOTE Confidence: 0.98342407

00:03:34.875 --> 00:03:36.955 breast cancer and colon cancer

NOTE Confidence: 0.98342407

00:03:36.955 --> 00:03:39.135 and even pancreatic cancer and,

NOTE Confidence: 0.98438454

00:03:39.675 --> 00:03:41.694 you know, tumors like glioblastomas

NOTE Confidence: 0.959845

00:03:42.395 --> 00:03:43.915 because some very famous people

NOTE Confidence: 0.959845

00:03:43.915 --> 00:03:44.815 have had them and

NOTE Confidence: 0.9988508

00:03:45.675 --> 00:03:46.735 are in the news.

NOTE Confidence: 0.99979764

00:03:47.460 --> 00:03:48.740 People know a little bit

NOTE Confidence: 0.99979764

00:03:48.740 --> 00:03:49.240 less

NOTE Confidence: 0.9913555

00:03:49.860 --> 00:03:51.240 about head and neck cancers.

NOTE Confidence: 0.9913555

00:03:51.460 --> 00:03:52.280 I think that's

NOTE Confidence: 0.9606114

00:03:53.060 --> 00:03:53.560 partially

NOTE Confidence: 0.9929387

00:03:54.260 --> 00:03:55.160 in the past,

NOTE Confidence: 0.96779394

00:03:56.580 --> 00:03:58.100 because maybe there were fewer

NOTE Confidence: 0.96779394

00:03:58.100 --> 00:03:59.800 famous people who had them.

NOTE Confidence: 0.9186099

00:04:00.740 --> 00:04:02.040 And, also, because

NOTE Confidence: 0.998008

00:04:02.525 --> 00:04:03.425 it's an area

NOTE Confidence: 0.9990509

00:04:03.725 --> 00:04:04.225 where

NOTE Confidence: 0.99757385

00:04:04.685 --> 00:04:06.285 there are many different types

NOTE Confidence: 0.99757385

00:04:06.285 --> 00:04:07.025 of cancers.

NOTE Confidence: 0.99523276

00:04:08.365 --> 00:04:09.485 Can you just talk a

NOTE Confidence: 0.99523276

00:04:09.485 --> 00:04:11.565 little bit about about, you

NOTE Confidence: 0.99523276

00:04:11.565 --> 00:04:13.105 know, all the different cancers

NOTE Confidence: 0.99523276

00:04:13.165 --> 00:04:13.905 that exist?

NOTE Confidence: 0.9887468

00:04:14.445 --> 00:04:15.905 Yeah. It's strange,

NOTE Confidence: 0.9473613

00:04:16.445 --> 00:04:17.745 in a number of ways,

NOTE Confidence: 0.96512693

00:04:19.550 --> 00:04:20.910 as related to other cancers.

NOTE Confidence: 0.96512693

00:04:20.910 --> 00:04:22.029 It's definitely not one of

NOTE Confidence: 0.96512693

00:04:22.029 --> 00:04:23.389 the big four,

NOTE Confidence: 0.96512693

00:04:23.389 --> 00:04:24.750 however you

NOTE Confidence: 0.96512693

00:04:24.750 --> 00:04:26.110 wanna classify them. Head and

NOTE Confidence: 0.96512693

00:04:26.110 --> 00:04:27.470 neck cancers make up about

NOTE Confidence: 0.96512693

00:04:27.470 --> 00:04:29.089 four percent of all cancers,

00:04:30.990 --> 00:04:31.875 in the United States.

NOTE Confidence: 0.96664643

00:04:32.515 --> 00:04:34.675 There's about sixty six thousand

NOTE Confidence: 0.96664643

00:04:34.675 --> 00:04:36.275 new cases diagnosed each year.

NOTE Confidence: 0.96664643

00:04:36.275 --> 00:04:36.995 And you think about it,

NOTE Confidence: 0.96664643

00:04:36.995 --> 00:04:38.435 that's actually a pretty small

NOTE Confidence: 0.96664643

00:04:38.435 --> 00:04:39.975 number when you compare it

NOTE Confidence: 0.96664643

00:04:40.195 --> 00:04:41.395 to breast and prostate,

NOTE Confidence: 0.96664643

00:04:41.395 --> 00:04:42.355 the colon, the big ones

NOTE Confidence: 0.96664643

00:04:42.355 --> 00:04:43.795 that you mentioned. So it's

NOTE Confidence: 0.96664643

00:04:43.795 --> 00:04:45.154 relatively rare, and those are

NOTE Confidence: 0.96664643

00:04:45.154 --> 00:04:46.710 the numbers. And not only

NOTE Confidence: 0.96664643

00:04:46.710 --> 00:04:47.850 that, it's sort of,

NOTE Confidence: 0.98966986

00:04:48.310 --> 00:04:49.430 as you pointed out, it's

NOTE Confidence: 0.98966986

00:04:49.430 --> 00:04:50.630 a weird term, head and

NOTE Confidence: 0.98966986

00:04:50.630 --> 00:04:51.770 neck cancers.

NOTE Confidence: 0.9671785

00:04:52.150 --> 00:04:54.470 Really it comprises cancers

NOTE Confidence: 0.9671785

00:04:54.470 --> 00:04:55.370 in the mouth,

NOTE Confidence: 0.984751

00:04:56.390 --> 00:04:57.210 the throat,

NOTE Confidence: 0.92577124

00:04:59.795 --> 00:05:00.455 the nose,

NOTE Confidence: 0.9959766

00:05:00.995 --> 00:05:02.375 the salivary glands,

NOTE Confidence: 0.97219616

00:05:02.915 --> 00:05:04.355 and then in the neck,

NOTE Confidence: 0.97219616

00:05:04.355 --> 00:05:05.495 like thyroid

NOTE Confidence: 0.99190074

00:05:05.795 --> 00:05:07.475 or skin cancer. So it's

NOTE Confidence: 0.99190074

00:05:07.475 --> 00:05:08.214 this whole

NOTE Confidence: 0.995126

00:05:08.835 --> 00:05:10.515 milieu of different types of

NOTE Confidence: 0.995126

00:05:10.515 --> 00:05:12.195 cancers. We'll have carcinomas. We'll

NOTE Confidence: 0.995126

00:05:12.195 --> 00:05:14.270 have sarcomas. We have even

NOTE Confidence: 0.995126

00:05:14.270 --> 00:05:16.029 diagnosed lymphomas in the head

NOTE Confidence: 0.995126

00:05:16.029 --> 00:05:17.150 and neck. So it is

NOTE Confidence: 0.995126

00:05:17.150 --> 00:05:18.750 a huge variety of cancers

NOTE Confidence: 0.995126

00:05:18.750 --> 00:05:20.430 that show up in this

NOTE Confidence: 0.995126

00:05:20.430 --> 00:05:21.490 part of the body.

00:05:25.789 --> 00:05:26.529 And of the

NOTE Confidence: 0.96767056

00:05:27.605 --> 00:05:29.525 sixty plus thousand people who

NOTE Confidence: 0.96767056

00:05:29.525 --> 00:05:31.065 develop head and neck cancers,

NOTE Confidence: 0.96556383

00:05:32.485 --> 00:05:34.165 we've made progress, but how

NOTE Confidence: 0.96556383

00:05:34.165 --> 00:05:35.445 many people are still dying

NOTE Confidence: 0.96556383

00:05:35.445 --> 00:05:36.425 from these cancers?

NOTE Confidence: 0.9705638

00:05:36.885 --> 00:05:37.785 Yeah. Unfortunately,

NOTE Confidence: 0.7859603

00:05:38.165 --> 00:05:38.745 it depends,

NOTE Confidence: 0.73557043

00:05:40.229 --> 00:05:40.889 or fortunately,

NOTE Confidence: 0.9721965

00:05:41.349 --> 00:05:42.650 when you catch the cancer.

NOTE Confidence: 0.9721965

00:05:42.870 --> 00:05:44.069 For advanced stage head and

NOTE Confidence: 0.9721965

00:05:44.069 --> 00:05:45.509 neck cancers, meaning cancers that

NOTE Confidence: 0.9721965

00:05:45.509 --> 00:05:47.190 have spread beyond just the

NOTE Confidence: 0.9721965

00:05:47.190 --> 00:05:48.250 primary site,

NOTE Confidence: 0.98350126

00:05:49.110 --> 00:05:50.970 survival rates are still, unfortunately,

NOTE Confidence: 0.98350126

00:05:51.110 --> 00:05:52.949 around fifty percent at five

NOTE Confidence: 0.98350126

00:05:52.949 --> 00:05:53.449 years.

NOTE Confidence: 0.99182194

00:05:55.294 --> 00:05:56.094 You can look at it

NOTE Confidence: 0.99182194

00:05:56.094 --> 00:05:57.474 two ways. We can cure

NOTE Confidence: 0.9625

00:05:57.775 --> 00:05:58.974 for long term half of

NOTE Confidence: 0.9625

00:05:58.974 --> 00:06:00.814 the patients with stage three

NOTE Confidence: 0.9625

00:06:00.814 --> 00:06:02.495 and stage four cancer, which

NOTE Confidence: 0.9625

00:06:02.495 --> 00:06:04.354 is great, but it's also

NOTE Confidence: 0.9339876

00:06:05.534 --> 00:06:06.974 we can't cure about

NOTE Confidence: 0.9339876

00:06:06.974 --> 00:06:08.110 half of them. Now early

NOTE Confidence: 0.9339876

00:06:08.110 --> 00:06:09.070 stage cancer is one that

NOTE Confidence: 0.9339876

00:06:09.070 --> 00:06:10.270 when caught caught early, we

NOTE Confidence: 0.9339876

00:06:10.270 --> 00:06:10.930 can cure

NOTE Confidence: 0.9420682

00:06:12.029 --> 00:06:14.270 eighty, ninety percent plus of

NOTE Confidence: 0.9420682

00:06:14.270 --> 00:06:15.630 those patients. So it really

NOTE Confidence: 0.9420682

00:06:15.630 --> 00:06:17.550 counts. Cancers that haven't spread

NOTE Confidence: 0.9420682

00:06:17.550 --> 00:06:19.810 to lymph nodes, they're localized

NOTE Confidence: 0.96601087

00:06:20.190 --> 00:06:21.550 in a given organ,

NOTE Confidence: 0.96601087

00:06:21.550 --> 00:06:22.050 like

NOTE Confidence: 0.9476683

00:06:22.350 --> 00:06:24.464 in the tonsil or on

NOTE Confidence: 0.9476683

00:06:24.464 --> 00:06:26.324 the tongue.

NOTE Confidence: 0.9843348

00:06:27.665 --> 00:06:28.165 Yeah.

NOTE Confidence: 0.9823805

00:06:28.785 --> 00:06:29.285 And,

NOTE Confidence: 0.9752845

00:06:30.384 --> 00:06:31.425 talk a little bit about

NOTE Confidence: 0.9752845

00:06:31.425 --> 00:06:32.785 the risk factors for head

NOTE Confidence: 0.9752845

00:06:32.785 --> 00:06:34.164 and neck cancers because

NOTE Confidence: 0.99377537

00:06:34.705 --> 00:06:35.764 there is

NOTE Confidence: 0.98274624

00:06:36.380 --> 00:06:38.000 quite a spectrum there,

NOTE Confidence: 0.966165

00:06:38.460 --> 00:06:40.300 and not everyone is at

NOTE Confidence: 0.966165

00:06:40.300 --> 00:06:41.419 equal risk. There are some

NOTE Confidence: 0.966165

00:06:41.419 --> 00:06:43.180 people who are dramatically higher

NOTE Confidence: 0.966165

00:06:43.180 --> 00:06:43.680 risk.

NOTE Confidence: 0.99952364

00:06:44.540 --> 00:06:45.839 Absolutely. The

NOTE Confidence: 0.95953447

00:06:46.460 --> 00:06:47.820 big three risk factors that

NOTE Confidence: 0.95953447

00:06:47.820 --> 00:06:48.620 we talk about in head

NOTE Confidence: 0.95953447

00:06:48.620 --> 00:06:50.060 and neck cancer are the

NOTE Confidence: 0.95953447

00:06:50.060 --> 00:06:51.805 ones that your listeners might

NOTE Confidence: 0.95953447

00:06:51.805 --> 00:06:53.004 be well aware of, tobacco

NOTE Confidence: 0.95953447

00:06:53.004 --> 00:06:54.365 and alcohol. That's all

NOTE Confidence: 0.95953447

00:06:54.365 --> 00:06:55.964 the cancers, you know, not

NOTE Confidence: 0.95953447

00:06:55.964 --> 00:06:57.104 all, but many cancers.

00:06:58.685 --> 00:07:00.845 And they synergize, correct?

NOTE Confidence: 0.9615835

00:07:00.845 --> 00:07:03.120 Yeah. Totally. Tobacco is a

NOTE Confidence: 0.9615835

00:07:03.199 --> 00:07:04.720 biggest risk factor. Alcohol is

NOTE Confidence: 0.9615835

00:07:04.720 --> 00:07:05.760 a risk factor. But as

NOTE Confidence: 0.9615835

00:07:05.760 --> 00:07:06.880 you point out, they synergize.

NOTE Confidence: 0.9615835

00:07:06.880 --> 00:07:08.240 When you combine the two,

NOTE Confidence: 0.9615835

00:07:08.240 --> 00:07:09.520 the risk factor doesn't just

NOTE Confidence: 0.9615835

00:07:09.520 --> 00:07:11.220 double. It goes up

NOTE Confidence: 0.9808924

00:07:11.760 --> 00:07:13.280 significantly more than just double,

NOTE Confidence: 0.9808924

00:07:13.280 --> 00:07:14.419 probably ten times.

NOTE Confidence: 0.9933108

00:07:15.120 --> 00:07:15.919 So those are the two

NOTE Confidence: 0.9933108

00:07:15.919 --> 00:07:16.800 big ones that we talk

NOTE Confidence: 0.9933108

00:07:16.800 --> 00:07:18.075 about. But the third big

NOTE Confidence: 0.9933108

00:07:18.235 --> 00:07:19.355 one that we don't talk

NOTE Confidence: 0.9933108

00:07:19.355 --> 00:07:20.795 about as much is the

NOTE Confidence: 0.9933108

00:07:20.795 --> 00:07:21.935 HPV virus.

NOTE Confidence: 0.98871756

00:07:23.355 --> 00:07:24.635 And how long have we

NOTE Confidence: 0.98871756

00:07:24.635 --> 00:07:26.555 appreciated that?

NOTE Confidence: 0.98871756

00:07:26.555 --> 00:07:27.595 When I was a

NOTE Confidence: 0.98871756

00:07:27.595 --> 00:07:28.495 medical student

NOTE Confidence: 0.97661775

00:07:28.955 --> 00:07:30.075 quite a number of years

NOTE Confidence: 0.97661775

00:07:30.075 --> 00:07:30.575 ago,

NOTE Confidence: 0.9982243

00:07:30.940 --> 00:07:32.400 we didn't really know about

NOTE Confidence: 0.9982243

00:07:32.460 --> 00:07:32.960 HPV

NOTE Confidence: 0.98550516

00:07:33.820 --> 00:07:34.780 and head and neck

NOTE Confidence: 0.98550516

00:07:34.780 --> 00:07:35.280 cancers.

00:07:37.580 --> 00:07:38.160 I mean,

NOTE Confidence: 0.9472769

00:07:38.540 --> 00:07:39.360 in our field,

NOTE Confidence: 0.95359975

00:07:39.980 --> 00:07:42.300 the HPV associated neck cancers

NOTE Confidence: 0.95359975

00:07:42.300 --> 00:07:43.580 is almost a new disease.

NOTE Confidence: 0.95359975

00:07:43.580 --> 00:07:44.320 We're talking

NOTE Confidence: 0.99046904

00:07:44.965 --> 00:07:46.725 really identifying it and thinking

NOTE Confidence: 0.99046904

00:07:46.725 --> 00:07:47.765 about it maybe only in

NOTE Confidence: 0.99046904

00:07:47.765 --> 00:07:48.425 the last

NOTE Confidence: 0.9918569

00:07:48.805 --> 00:07:50.485 twenty to thirty years.

NOTE Confidence: 0.9918569

00:07:50.485 --> 00:07:52.345 And for a new disease,

NOTE Confidence: 0.9918569

00:07:52.485 --> 00:07:53.765 that is a very short

NOTE Confidence: 0.9918569

00:07:53.765 --> 00:07:54.645 amount of time in the

NOTE Confidence: 0.9918569

00:07:54.645 --> 00:07:55.785 grand scheme of things.

NOTE Confidence: 0.972709

00:07:56.165 --> 00:07:57.205 And this is the one

NOTE Confidence: 0.972709

00:07:57.205 --> 00:07:58.645 head neck cancer that is

NOTE Confidence: 0.972709

00:07:58.645 --> 00:08:00.100 on the rise. All of

NOTE Confidence: 0.972709

00:08:00.100 --> 00:08:02.020 our smoking, drinking related cancers,

NOTE Confidence: 0.972709

00:08:02.020 --> 00:08:03.480 the mouth cancers are

NOTE Confidence: 0.9993018

00:08:04.420 --> 00:08:04.920 decreasing

NOTE Confidence: 0.9833182

00:08:05.460 --> 00:08:07.780 but HPV associated head

NOTE Confidence: 0.9833182

00:08:07.780 --> 00:08:08.980 and neck cancers are really

NOTE Confidence: 0.9833182

00:08:08.980 --> 00:08:09.940 on the rise. We're talking

NOTE Confidence: 0.9833182

00:08:09.940 --> 00:08:10.900 probably more than a two

NOTE Confidence: 0.9833182

00:08:10.900 --> 00:08:12.260 hundred percent increase in the

NOTE Confidence: 0.9833182

00:08:12.260 --> 00:08:13.395 last twenty years.

NOTE Confidence: 0.99953663

00:08:13.935 --> 00:08:15.615 And is that because

NOTE Confidence: 0.99953663

00:08:15.615 --> 00:08:16.435 there's more

NOTE Confidence: 0.98544055

00:08:17.134 --> 00:08:17.634 HPV?

NOTE Confidence: 0.9880727

00:08:19.134 --> 00:08:20.895 That's a great question.

NOTE Confidence: 0.9880727

00:08:20.895 --> 00:08:21.775 I wish I had a great

NOTE Confidence: 0.9880727

00:08:21.775 --> 00:08:22.974 answer for you of exactly

NOTE Confidence: 0.9880727

00:08:22.974 --> 00:08:24.094 why it's on the rise.

NOTE Confidence: 0.9880727

00:08:24.094 --> 00:08:24.895 You know, it may be

NOTE Confidence: 0.9880727

00:08:24.895 --> 00:08:25.395 related

NOTE Confidence: 0.95169735

00:08:25.870 --> 00:08:28.190 to certain behaviors, or it

NOTE Confidence: 0.95169735

00:08:28.190 --> 00:08:28.930 may be,

NOTE Confidence: 0.9698656

00:08:29.550 --> 00:08:30.930 just related to

NOTE Confidence: 0.99472445

00:08:32.030 --> 00:08:33.710 something in the environment that's

NOTE Confidence: 0.99472445

00:08:33.710 --> 00:08:35.309 impacting the ability to

NOTE Confidence: 0.99472445

00:08:35.309 --> 00:08:36.590 clear the HPV. The HPV

NOTE Confidence: 0.99472445

00:08:36.590 --> 00:08:37.809 virus has been here

NOTE Confidence: 0.99697995

00:08:38.355 --> 00:08:40.035 forever. Most people are exposed

NOTE Confidence: 0.99697995

00:08:40.035 --> 00:08:41.075 to it at some point

NOTE Confidence: 0.99697995

00:08:41.075 --> 00:08:41.815 in their life.

NOTE Confidence: 0.9816692

00:08:42.355 --> 00:08:43.975 The vast majority of people

NOTE Confidence: 0.9816692

00:08:44.115 --> 00:08:45.075 may be exposed to it,

NOTE Confidence: 0.9816692

00:08:45.075 --> 00:08:46.675 but clear it. It's this

NOTE Confidence: 0.9816692

00:08:46.675 --> 00:08:48.274 small percentage of maybe two

NOTE Confidence: 0.9816692

00:08:48.274 --> 00:08:49.575 to five percent of people

NOTE Confidence: 0.99599105

00:08:50.035 --> 00:08:51.829 who don't clear the HPV

NOTE Confidence: 0.99599105

00:08:51.889 --> 00:08:53.170 virus. And within that, there's

NOTE Confidence: 0.99599105

00:08:53.170 --> 00:08:54.290 a very small percentage of

NOTE Confidence: 0.99599105

00:08:54.290 --> 00:08:55.170 people who go on and

NOTE Confidence: 0.99599105

00:08:55.170 --> 00:08:56.850 develop a cancer in the

NOTE Confidence: 0.99599105

00:08:56.850 --> 00:08:58.790 throat from the HPV virus.

NOTE Confidence: 0.99599105

00:08:58.850 --> 00:09:00.850 And this is, in

NOTE Confidence: 0.99599105

00:09:00.850 --> 00:09:01.350 theory,

NOTE Confidence: 0.9817215

00:09:02.449 --> 00:09:03.809 a set of cancers that

NOTE Confidence: 0.9817215

00:09:03.809 --> 00:09:05.509 could be prevented with vaccination.

NOTE Confidence: 0.9981164

00:09:06.325 --> 00:09:08.345 Absolutely. We have the HPV

NOTE Confidence: 0.8308927

00:09:08.804 --> 00:09:09.304 vaccine, it's been around

NOTE Confidence: 0.93604225

00:09:11.925 --> 00:09:13.765 and been used for girls

NOTE Confidence: 0.93604225

00:09:13.765 --> 00:09:15.125 and women for years, but

NOTE Confidence: 0.93604225

00:09:15.125 --> 00:09:16.084 now we think of

NOTE Confidence: 0.93604225

00:09:16.084 --> 00:09:17.765 it as prevention for cervical

NOTE Confidence: 0.93604225

00:09:17.765 --> 00:09:19.809 cancer predominantly, but it

NOTE Confidence: 0.93604225

00:09:19.809 --> 00:09:21.090 also prevents these head and

NOTE Confidence: 0.93604225

00:09:21.090 --> 00:09:21.750 neck cancers.

NOTE Confidence: 0.96851

00:09:22.210 --> 00:09:23.490 Absolutely. And in fact, head

NOTE Confidence: 0.96851

00:09:23.490 --> 00:09:24.690 and neck cancers have now,

NOTE Confidence: 0.96851

00:09:24.690 --> 00:09:25.570 as of about two years

NOTE Confidence: 0.96851

00:09:25.570 --> 00:09:27.730 ago, surpassed cervical cancer as

NOTE Confidence: 0.96851

00:09:27.730 --> 00:09:29.570 the most common HPV associated

NOTE Confidence: 0.96851

00:09:29.570 --> 00:09:31.135 cancer in this country. And

NOTE Confidence: 0.96851

00:09:31.135 --> 00:09:32.735 we think that's probably due

NOTE Confidence: 0.96851

00:09:32.735 --> 00:09:34.575 to screening for cervical cancer

NOTE Confidence: 0.96851

00:09:34.575 --> 00:09:36.015 and probably related in some

NOTE Confidence: 0.96851

00:09:36.015 --> 00:09:37.135 ways to the vaccine as

NOTE Confidence: 0.96851

00:09:37.135 --> 00:09:37.635 well.

NOTE Confidence: 0.9963057

00:09:38.175 --> 00:09:38.675 Wow.

NOTE Confidence: 0.9906616

00:09:39.375 --> 00:09:41.635 And these HPV cancers,

NOTE Confidence: 0.9938235

00:09:42.095 --> 00:09:44.195 or HPV associated cancers,

NOTE Confidence: 0.99949867

00:09:45.149 --> 00:09:46.990 do they typically arise in

NOTE Confidence: 0.99949867

00:09:46.990 --> 00:09:48.210 any particular

NOTE Confidence: 0.91341007

00:09:48.750 --> 00:09:50.110 part of the head and

NOTE Confidence: 0.91341007

00:09:50.110 --> 00:09:50.850 neck anatomy?

NOTE Confidence: 0.97020006

00:09:51.550 --> 00:09:53.230 Definitely. Almost all of them

NOTE Confidence: 0.97020006

00:09:53.230 --> 00:09:54.350 I say almost all, not

NOTE Confidence: 0.97020006

00:09:54.350 --> 00:09:55.309 all, but almost all of

NOTE Confidence: 0.97020006

00:09:55.309 --> 00:09:57.089 them are what we call

NOTE Confidence: 0.97020006

00:09:57.149 --> 00:09:58.945 back of throat cancer to the layman

00:10:00.385 --> 00:10:02.225 and laywoman. But it's basically

NOTE Confidence: 0.95466745

00:10:02.225 --> 00:10:02.964 the tonsils

NOTE Confidence: 0.9609789

00:10:03.425 --> 00:10:04.225 and the base of the

NOTE Confidence: 0.9609789

00:10:04.225 --> 00:10:04.725 tongue,

NOTE Confidence: 0.95386386

00:10:05.264 --> 00:10:06.545 sometimes a soft palate and

NOTE Confidence: 0.95386386

00:10:06.545 --> 00:10:07.345 the back of the throat.

NOTE Confidence: 0.95386386

00:10:07.345 --> 00:10:08.865 But back of throat cancer, it's

00:10:10.225 --> 00:10:11.505 not mouth cancer per se.

NOTE Confidence: 0.95386386

00:10:11.505 --> 00:10:12.964 It's back of throat cancer.

NOTE Confidence: 0.9939299

00:10:13.850 --> 00:10:15.210 And so if you see

NOTE Confidence: 0.9939299

00:10:15.210 --> 00:10:16.350 someone who,

NOTE Confidence: 0.99928844

00:10:16.970 --> 00:10:17.710 for example,

NOTE Confidence: 0.96597314

00:10:18.250 --> 00:10:20.350 doesn't have a significant smoking

NOTE Confidence: 0.96597314

00:10:20.410 --> 00:10:22.890 and drinking history, they're fifty

NOTE Confidence: 0.96597314

00:10:22.890 --> 00:10:24.750 years old and they have

NOTE Confidence: 0.99964094

00:10:25.130 --> 00:10:25.790 a cancer

NOTE Confidence: 0.9829831

00:10:26.170 --> 00:10:27.610 that is in the back

NOTE Confidence: 0.9829831

00:10:27.610 --> 00:10:28.510 of the throat,

NOTE Confidence: 0.9915207

00:10:28.904 --> 00:10:30.024 how likely is it that

NOTE Confidence: 0.9915207

00:10:30.024 --> 00:10:32.045 that's an HPV associated cancer?

NOTE Confidence: 0.9973261

00:10:32.985 --> 00:10:34.425 The short answer is very

NOTE Confidence: 0.9973261

00:10:34.425 --> 00:10:34.925 likely.

NOTE Confidence: 0.9945978

00:10:35.464 --> 00:10:36.745 Back of throat cancers now

NOTE Confidence: 0.9945978

00:10:36.745 --> 00:10:38.605 make up about seventy percent

NOTE Confidence: 0.9945978

00:10:38.904 --> 00:10:41.144 of all tonsil and base

NOTE Confidence: 0.9945978

00:10:41.144 --> 00:10:42.985 of tongue cancers, and that's

NOTE Confidence: 0.9945978

00:10:42.985 --> 00:10:43.884 on the rise.

00:10:47.210 --> 00:10:48.570 And my understanding is the

NOTE Confidence: 0.9952157

00:10:48.570 --> 00:10:50.010 treatment differs a little bit

NOTE Confidence: 0.9952157

00:10:50.010 --> 00:10:50.990 too for these cancers.

NOTE Confidence: 0.96868825

00:10:51.450 --> 00:10:53.290 We're still fleshing that out

NOTE Confidence: 0.96868825

00:10:53.290 --> 00:10:55.210 exactly, but, yes, the short

NOTE Confidence: 0.96868825

00:10:55.210 --> 00:10:56.809 answer is they do

NOTE Confidence: 0.96868825

00:10:56.809 --> 00:10:57.929 differ. And the reason is

NOTE Confidence: 0.96868825

00:10:57.929 --> 00:10:59.684 because the prognosis of these

NOTE Confidence: 0.96868825

00:10:59.684 --> 00:11:01.865 cancers is so much better

NOTE Confidence: 0.96868825

00:11:02.005 --> 00:11:03.705 than the non-HPV associated

NOTE Confidence: 0.96868825

00:11:03.765 --> 00:11:05.045 cancers in the exact same

NOTE Confidence: 0.96868825

00:11:05.045 --> 00:11:05.545 area.

NOTE Confidence: 0.99428236

00:11:06.165 --> 00:11:07.365 And so what we're working

NOTE Confidence: 0.99428236

00:11:07.365 --> 00:11:09.065 on now throughout the country

NOTE Confidence: 0.9477776

00:11:09.525 --> 00:11:11.465 is on the de intensification of

00:11:13.020 --> 00:11:14.300 treatment. If we have a

NOTE Confidence: 0.9991315

00:11:14.300 --> 00:11:15.200 cancer with

NOTE Confidence: 0.9906473

00:11:15.660 --> 00:11:17.340 a eighty, ninety percent cure

NOTE Confidence: 0.9906473

00:11:17.340 --> 00:11:17.840 rate,

NOTE Confidence: 0.99982464

00:11:18.220 --> 00:11:19.360 do we need to

NOTE Confidence: 0.9583337

00:11:20.300 --> 00:11:21.580 operate on them plus give

NOTE Confidence: 0.9583337

00:11:21.580 --> 00:11:23.100 them radiation, plus give them

NOTE Confidence: 0.9583337

00:11:23.100 --> 00:11:24.780 chemotherapy? And the answer to

NOTE Confidence: 0.9583337

00:11:24.780 --> 00:11:26.195 that is no.

NOTE Confidence: 0.9926723

00:11:26.495 --> 00:11:27.455 And that's what we're trying

NOTE Confidence: 0.9926723

00:11:27.455 --> 00:11:28.495 to figure out. How can

NOTE Confidence: 0.9926723

00:11:28.495 --> 00:11:29.795 we give less treatment

NOTE Confidence: 0.9995455

00:11:30.255 --> 00:11:30.755 without

NOTE Confidence: 0.99128366

00:11:32.095 --> 00:11:33.715 compromising cure rates?

NOTE Confidence: 0.98249745

00:11:34.335 --> 00:11:35.615 And, you know, we'll

NOTE Confidence: 0.98249745

00:11:35.615 --> 00:11:36.815 talk more about this in

NOTE Confidence: 0.98249745

00:11:36.815 --> 00:11:38.575 in the second half of

NOTE Confidence: 0.98249745

00:11:38.575 --> 00:11:40.195 our interview. But,

NOTE Confidence: 0.99911594

00:11:40.690 --> 00:11:41.430 of course,

NOTE Confidence: 0.975941

00:11:41.890 --> 00:11:43.970 oftentimes, people are afraid of

NOTE Confidence: 0.975941

00:11:43.970 --> 00:11:45.350 backing off on treatment.

NOTE Confidence: 0.97673273

00:11:46.450 --> 00:11:48.610 But here, the consequences of

NOTE Confidence: 0.97673273

00:11:48.610 --> 00:11:49.990 treatment are often

NOTE Confidence: 0.9989964

00:11:50.930 --> 00:11:53.110 significant enough and severe enough

NOTE Confidence: 0.97606987

00:11:53.490 --> 00:11:53.990 that

NOTE Confidence: 0.99204075

00:11:54.434 --> 00:11:55.715 the whole reason to do

NOTE Confidence: 0.99204075

00:11:55.715 --> 00:11:57.475 this is, of course,

NOTE Confidence: 0.99204075

00:11:57.475 --> 00:11:58.375 to give people

NOTE Confidence: 0.997097

00:11:59.155 --> 00:12:00.675 an equally long life and

NOTE Confidence: 0.997097

00:12:00.675 --> 00:12:02.215 a better quality of life.

NOTE Confidence: 0.9761827

00:12:02.595 --> 00:12:04.035 Absolutely. And this comes back

NOTE Confidence: 0.9761827

00:12:04.035 --> 00:12:05.315 to one of my reasons

NOTE Confidence: 0.9761827

00:12:05.315 --> 00:12:06.755 for going into ENT. It's

NOTE Confidence: 0.9761827

00:12:06.755 --> 00:12:07.795 a lot of this

NOTE Confidence: 0.9761827

00:12:07.795 --> 00:12:09.630 is about quality of life,

NOTE Confidence: 0.95251596

00:12:10.110 --> 00:12:11.010 and treatment

NOTE Confidence: 0.9736471

00:12:11.470 --> 00:12:12.850 for back of throat cancers

NOTE Confidence: 0.9736471

00:12:12.910 --> 00:12:14.590 can impact a lot of

NOTE Confidence: 0.9736471

00:12:14.590 --> 00:12:16.030 aspects of quality of life,

NOTE Confidence: 0.9736471

00:12:16.030 --> 00:12:17.570 most importantly, swallowing,

NOTE Confidence: 0.96813726

00:12:18.350 --> 00:12:19.730 but also speech,

NOTE Confidence: 0.99742895

00:12:21.309 --> 00:12:21.809 breathing,

NOTE Confidence: 0.926666

00:12:22.350 --> 00:12:22.850 appearance,

NOTE Confidence: 0.98965716

00:12:23.905 --> 00:12:25.265 a lot of consequences to

NOTE Confidence: 0.98965716

00:12:25.265 --> 00:12:25.765 treatment.

00:12:29.345 --> 00:12:30.085 Years ago,

NOTE Confidence: 0.96809703

00:12:31.345 --> 00:12:32.545 one would see people who

NOTE Confidence: 0.96809703

00:12:32.545 --> 00:12:33.905 had been treated for head

NOTE Confidence: 0.96809703

00:12:33.905 --> 00:12:35.845 and neck cancers, and oftentimes,

NOTE Confidence: 0.96243024

00:12:36.225 --> 00:12:38.005 they really couldn't speak.

NOTE Confidence: 0.9225609

00:12:39.059 --> 00:12:39.540 And,

NOTE Confidence: 0.9784772

00:12:40.020 --> 00:12:41.620 of course, difficulty with swallowing

NOTE Confidence: 0.9784772

00:12:41.620 --> 00:12:42.900 is still something

NOTE Confidence: 0.9784772

00:12:42.900 --> 00:12:43.960 that people have.

NOTE Confidence: 0.97781605

00:12:44.420 --> 00:12:45.960 But the treatment

NOTE Confidence: 0.94327736

00:12:46.340 --> 00:12:47.400 for this particular

NOTE Confidence: 0.9506946

00:12:48.660 --> 00:12:49.640 type of cancer,

NOTE Confidence: 0.99689275

00:12:50.340 --> 00:12:51.160 at times,

00:12:54.045 --> 00:12:55.165 is maybe not worse than

NOTE Confidence: 0.94883937

00:12:55.165 --> 00:12:56.285 the cancer, but it's pretty bad.

NOTE Confidence: 0.94883937

00:12:56.285 --> 00:12:58.205 Yeah. At times, definitely,

NOTE Confidence: 0.94883937

00:12:58.205 --> 00:12:59.565 patients are probably saying that

NOTE Confidence: 0.94883937

00:12:59.565 --> 00:13:00.765 in the middle or towards

NOTE Confidence: 0.94883937

00:13:00.765 --> 00:13:01.965 the end of radiation, if

NOTE Confidence: 0.94883937

00:13:01.965 --> 00:13:02.925 they're getting chemo,

NOTE Confidence: 0.9671839

00:13:03.405 --> 00:13:05.085 you're absolutely right. They're definitely

NOTE Confidence: 0.9671839

00:13:05.085 --> 00:13:06.360 saying that.

NOTE Confidence: 0.9671839

00:13:06.440 --> 00:13:07.559 And we'll talk more

NOTE Confidence: 0.9671839

00:13:07.559 --> 00:13:08.600 about that when

NOTE Confidence: 0.9671839

00:13:08.600 --> 00:13:09.480 we talk about,

NOTE Confidence: 0.988716

00:13:09.880 --> 00:13:11.579 sort of the multidisciplinary

NOTE Confidence: 0.99820083

00:13:12.040 --> 00:13:13.160 nature of the work.

NOTE Confidence: 0.9772632

00:13:17.160 --> 00:13:18.839 So I think that at

NOTE Confidence: 0.9772632

00:13:18.839 --> 00:13:20.040 this point, maybe we should

NOTE Confidence: 0.9772632

00:13:20.040 --> 00:13:21.615 take a little break, and

NOTE Confidence: 0.9772632

00:13:21.615 --> 00:13:22.635 we'll be back.

NOTE Confidence: 0.96896785

00:13:23.095 --> 00:13:25.015 We'll pick up with our

NOTE Confidence: 0.96896785

00:13:25.015 --> 00:13:27.675 guest, doctor Saral Mehra, associate

NOTE Confidence: 0.96896785

00:13:27.735 --> 00:13:29.755 professor of surgery at

NOTE Confidence: 0.9895835

00:13:30.455 --> 00:13:31.755 Yale School of Medicine,

NOTE Confidence: 0.9621561

00:13:33.015 --> 00:13:34.375 and chief of head and

NOTE Confidence: 0.9621561

00:13:34.375 --> 00:13:35.035 neck surgery.

NOTE Confidence: 0.99856395

00:13:35.470 --> 00:13:36.830 And we'll be talking more

NOTE Confidence: 0.99856395

00:13:36.830 --> 00:13:37.309 about this, I think, very

00:13:39.470 --> 00:13:39.970 interesting

NOTE Confidence: 0.96700096

00:13:40.750 --> 00:13:41.790 topic of head and neck

NOTE Confidence: 0.96700096

00:13:41.790 --> 00:13:43.070 cancers and all the progress

NOTE Confidence: 0.96700096

00:13:43.070 --> 00:13:43.970 that's been made.

NOTE Confidence: 0.95812416

00:13:44.510 --> 00:13:46.270 Funding for Yale Cancer Answers

NOTE Confidence: 0.95812416

00:13:46.270 --> 00:13:48.210 comes from Smilow Cancer Hospital,

NOTE Confidence: 0.99283344

00:13:48.625 --> 00:13:50.885 where their hematology program offers

NOTE Confidence: 0.99283344

00:13:50.945 --> 00:13:51.445 comprehensive

NOTE Confidence: 0.9684399

00:13:51.745 --> 00:13:53.425 diagnosis and treatment of blood

NOTE Confidence: 0.9684399

00:13:53.425 --> 00:13:55.985 cancers, including lymphoma, leukemia, and

NOTE Confidence: 0.9684399

00:13:55.985 --> 00:13:56.485 myeloma.

NOTE Confidence: 0.7369361

00:13:57.184 --> 00:13:57.684 Smilowcancer

NOTE Confidence: 0.93036485

00:13:58.065 --> 00:13:59.445 hospital dot org.

NOTE Confidence: 0.9807237

00:14:01.360 --> 00:14:03.600 The American Cancer Society estimates

NOTE Confidence: 0.9807237

00:14:03.600 --> 00:14:05.040 that over two hundred thousand

NOTE Confidence: 0.9807237

00:14:05.040 --> 00:14:06.639 cases of melanoma will be

NOTE Confidence: 0.9807237

00:14:06.639 --> 00:14:08.240 diagnosed in the United States

NOTE Confidence: 0.9807237

00:14:08.240 --> 00:14:09.679 this year, with over a

NOTE Confidence: 0.9807237

00:14:09.679 --> 00:14:11.779 thousand patients in Connecticut alone.

NOTE Confidence: 0.9976018

00:14:12.160 --> 00:14:14.320 While melanoma accounts for only

NOTE Confidence: 0.9976018

00:14:14.320 --> 00:14:15.985 about one percent of skin

NOTE Confidence: 0.9976018

00:14:15.985 --> 00:14:16.965 cancer cases,

NOTE Confidence: 0.9854373

00:14:17.345 --> 00:14:18.785 it causes the most skin

NOTE Confidence: 0.9854373

00:14:18.785 --> 00:14:20.885 cancer deaths, but when detected

NOTE Confidence: 0.9854373

00:14:20.945 --> 00:14:22.465 early, it is easily treated

NOTE Confidence: 0.9854373

00:14:22.465 --> 00:14:23.525 and highly curable.

NOTE Confidence: 0.96959066

00:14:24.145 --> 00:14:25.985 Clinical trials are currently underway

NOTE Confidence: 0.96959066

00:14:25.985 --> 00:14:28.545 at federally designated comprehensive cancer

NOTE Confidence: 0.96959066

00:14:28.545 --> 00:14:30.320 centers such as Yale Cancer

NOTE Confidence: 0.96959066

00:14:30.320 --> 00:14:32.000 Center and at Smilow Cancer

NOTE Confidence: 0.96959066

00:14:32.000 --> 00:14:32.500 Hospital

NOTE Confidence: 0.98362666

00:14:32.959 --> 00:14:34.639 to test innovative new treatments

NOTE Confidence: 0.98362666

00:14:34.639 --> 00:14:35.380 for melanoma.

NOTE Confidence: 0.97666425

00:14:36.000 --> 00:14:37.300 The goal of the Specialized

NOTE Confidence: 0.97666425

00:14:37.519 --> 00:14:39.519 Programs of Research Excellence in

NOTE Confidence: 0.97666425

00:14:39.519 --> 00:14:41.199 Skin Cancer grant is to

NOTE Confidence: 0.97666425

00:14:41.199 --> 00:14:43.040 better understand the biology of

NOTE Confidence: 0.97666425

00:14:43.040 --> 00:14:44.464 skin cancer with a focus

NOTE Confidence: 0.97666425

00:14:44.464 --> 00:14:46.464 on discovering targets that will

NOTE Confidence: 0.97666425

00:14:46.464 --> 00:14:48.225 lead to improved diagnosis and

NOTE Confidence: 0.97666425

00:14:48.225 --> 00:14:48.725 treatment.

NOTE Confidence: 0.9839054

00:14:49.345 --> 00:14:51.024 More information is available at

NOTE Confidence: 0.9839054

00:14:51.024 --> 00:14:52.805 yale cancer center dot org.

NOTE Confidence: 0.9839054

00:14:53.024 --> 00:14:54.704 You're listening to Connecticut Public

NOTE Confidence: 0.9839054

00:14:54.704 --> 00:14:55.204 Radio.

NOTE Confidence: 0.93218803

00:14:57.120 --> 00:14:58.720 This is Eric Winer again

NOTE Confidence: 0.93218803

00:14:58.720 --> 00:15:00.740 here with Yale Cancer Answers.

NOTE Confidence: 0.98266417

00:15:01.680 --> 00:15:03.120 And I'm speaking with my

NOTE Confidence: 0.98266417

00:15:03.120 --> 00:15:05.280 guest, doctor Saral Mehra, who

NOTE Confidence: 0.98266417

00:15:05.280 --> 00:15:06.820 is an expert in

NOTE Confidence: 0.9941446

00:15:07.200 --> 00:15:08.960 the treatment of head and

NOTE Confidence: 0.9941446

00:15:08.960 --> 00:15:09.780 neck cancers,

NOTE Confidence: 0.9684202

00:15:10.495 --> 00:15:12.254 and specifically in the surgical

NOTE Confidence: 0.9684202

00:15:12.254 --> 00:15:14.035 aspects of that treatment. But

NOTE Confidence: 0.9947214

00:15:14.574 --> 00:15:16.095 as a surgeon, you have

NOTE Confidence: 0.9947214

00:15:16.095 --> 00:15:17.235 to know a lot more

NOTE Confidence: 0.9947214

00:15:17.375 --> 00:15:18.995 than just the surgery

NOTE Confidence: 0.9394956

00:15:19.535 --> 00:15:21.055 because this is a type

NOTE Confidence: 0.9394956

00:15:21.055 --> 00:15:21.714 of cancer

NOTE Confidence: 0.97560424

00:15:22.430 --> 00:15:24.670 where you are dependent upon

NOTE Confidence: 0.97560424

00:15:24.670 --> 00:15:26.529 your colleagues in other disciplines.

NOTE Confidence: 0.9985286

00:15:27.470 --> 00:15:29.070 And maybe we can start

NOTE Confidence: 0.9985286

00:15:29.070 --> 00:15:30.529 off talking about that.

NOTE Confidence: 0.9812189

00:15:31.149 --> 00:15:32.510 Who else do you interact

NOTE Confidence: 0.9812189

00:15:32.510 --> 00:15:33.870 with? When a patient comes

NOTE Confidence: 0.9812189

00:15:33.870 --> 00:15:34.690 to see you

NOTE Confidence: 0.9948845

00:15:35.070 --> 00:15:36.529 and says, you know,

NOTE Confidence: 0.9822229

00:15:37.465 --> 00:15:38.905 doctor Mehra, can

NOTE Confidence: 0.9822229

00:15:38.905 --> 00:15:40.125 you take care of me?

NOTE Confidence: 0.9822229

00:15:40.265 --> 00:15:42.105 Your first answer is

NOTE Confidence: 0.9822229

00:15:42.105 --> 00:15:43.065 probably, well, I can take

NOTE Confidence: 0.9822229

00:15:43.065 --> 00:15:43.865 care of you, but I

NOTE Confidence: 0.9822229

00:15:43.865 --> 00:15:44.665 need the rest of my

NOTE Confidence: 0.9822229

00:15:44.665 --> 00:15:45.165 team.

NOTE Confidence: 0.99075055

00:15:46.345 --> 00:15:48.105 Absolutely. And this comes back

NOTE Confidence: 0.99075055

00:15:48.105 --> 00:15:48.985 to what we were talking

NOTE Confidence: 0.99075055

00:15:48.985 --> 00:15:50.025 about earlier. The reason I

NOTE Confidence: 0.99075055

00:15:50.025 --> 00:15:51.180 got in to head and

NOTE Confidence: 0.99075055

00:15:51.180 --> 00:15:52.700 neck cancer is it really

NOTE Confidence: 0.99075055

00:15:52.700 --> 00:15:54.080 is a team sport.

NOTE Confidence: 0.99783987

00:15:55.020 --> 00:15:56.140 I think the team I

NOTE Confidence: 0.99783987

00:15:56.140 --> 00:15:56.940 like to break it down

NOTE Confidence: 0.99783987

00:15:56.940 --> 00:15:58.080 into a few different

NOTE Confidence: 0.75827813

00:15:58.940 --> 00:15:59.440 groups.

NOTE Confidence: 0.98948836

00:15:59.900 --> 00:16:01.820 Basically, you have your doctors,

NOTE Confidence: 0.98948836

00:16:01.820 --> 00:16:03.020 which are one part of

NOTE Confidence: 0.98948836

00:16:03.020 --> 00:16:04.655 your team, and that's a

NOTE Confidence: 0.98948836

00:16:04.655 --> 00:16:06.255 surgical oncologist, which is what

NOTE Confidence: 0.98948836

00:16:06.255 --> 00:16:07.875 I do. But you absolutely

NOTE Confidence: 0.98948836

00:16:07.935 --> 00:16:09.635 need a medical oncologist

NOTE Confidence: 0.9994438

00:16:10.255 --> 00:16:11.395 and a radiation

NOTE Confidence: 0.99971884

00:16:11.855 --> 00:16:12.355 oncologist.

NOTE Confidence: 0.99496055

00:16:12.735 --> 00:16:14.595 Now medical oncologists are responsible

NOTE Confidence: 0.99496055

00:16:14.735 --> 00:16:16.575 for talking with patients about

NOTE Confidence: 0.99496055

00:16:16.575 --> 00:16:17.875 the disease, the

NOTE Confidence: 0.6819842

00:16:18.255 --> 00:16:18.995 the process,

NOTE Confidence: 0.99843293

00:16:19.350 --> 00:16:21.670 and they administer chemotherapy and

NOTE Confidence: 0.99843293

00:16:21.670 --> 00:16:22.170 immunotherapy

NOTE Confidence: 0.9896716

00:16:22.550 --> 00:16:23.910 when it's given and help

NOTE Confidence: 0.9896716

00:16:23.910 --> 00:16:24.630 manage a lot of the

NOTE Confidence: 0.9896716

00:16:24.630 --> 00:16:27.029 medical aspects of care. They

NOTE Confidence: 0.9896716

00:16:27.029 --> 00:16:27.930 also get

NOTE Confidence: 0.999856

00:16:28.310 --> 00:16:29.529 extremely involved

NOTE Confidence: 0.9901624

00:16:29.910 --> 00:16:32.470 when the cancer may spread

NOTE Confidence: 0.9901624

00:16:32.470 --> 00:16:33.845 beyond the head and neck

NOTE Confidence: 0.9901624

00:16:33.845 --> 00:16:34.885 and into other parts of

NOTE Confidence: 0.9901624

00:16:34.885 --> 00:16:36.964 the body. That's when surgeons

NOTE Confidence: 0.9901624

00:16:36.964 --> 00:16:38.964 and radiation oncologists are not

NOTE Confidence: 0.9901624

00:16:38.964 --> 00:16:40.565 the answer. And our colleagues

NOTE Confidence: 0.9901624

00:16:40.565 --> 00:16:42.325 in medical oncology, that's when

NOTE Confidence: 0.9901624

00:16:42.325 --> 00:16:43.704 they really step up.

NOTE Confidence: 0.9925236

00:16:44.005 --> 00:16:45.925 And then radiation oncologists, we

NOTE Confidence: 0.9925236

00:16:45.925 --> 00:16:47.204 work hand in hand with

NOTE Confidence: 0.9925236

00:16:47.204 --> 00:16:48.345 radiation doctors

NOTE Confidence: 0.98630637

00:16:49.610 --> 00:16:51.690 to identify and personalize the

NOTE Confidence: 0.98630637

00:16:51.690 --> 00:16:53.370 treatment for patients. Like I

NOTE Confidence: 0.98630637

00:16:53.370 --> 00:16:54.570 was saying before, we wanna

NOTE Confidence: 0.98630637

00:16:54.570 --> 00:16:56.090 minimize the amount of treatment

NOTE Confidence: 0.98630637

00:16:56.090 --> 00:16:57.550 we give these patients, specifically

NOTE Confidence: 0.98630637

00:16:57.690 --> 00:17:00.010 HPV associated cancers, and that's

NOTE Confidence: 0.98630637

00:17:00.010 --> 00:17:01.305 where we'd all three of

NOTE Confidence: 0.98630637

00:17:01.305 --> 00:17:02.425 us have to talk about

NOTE Confidence: 0.98630637

00:17:02.425 --> 00:17:04.185 the optimal treatment for the

NOTE Confidence: 0.98630637

00:17:04.185 --> 00:17:05.484 patient in front of us.

NOTE Confidence: 0.98630637

00:17:05.705 --> 00:17:06.925 And sometimes,

NOTE Confidence: 0.9874022

00:17:07.385 --> 00:17:09.725 particularly with surgery and radiation

NOTE Confidence: 0.9874022

00:17:09.785 --> 00:17:11.565 oncology, there's a trade off

NOTE Confidence: 0.9874022

00:17:11.785 --> 00:17:13.859 in terms of more surgery,

NOTE Confidence: 0.9874022

00:17:13.859 --> 00:17:16.100 less radiation, more radiation, less

NOTE Confidence: 0.9874022

00:17:16.100 --> 00:17:17.240 surgery.

NOTE Confidence: 0.9835519

00:17:17.940 --> 00:17:19.940 Absolutely.

NOTE Confidence: 0.9835519

00:17:19.940 --> 00:17:21.380 We have shifting

NOTE Confidence: 0.9835519

00:17:21.380 --> 00:17:21.880 paradigms

NOTE Confidence: 0.95292735

00:17:22.260 --> 00:17:23.640 in this, and new information's

NOTE Confidence: 0.95292735

00:17:23.700 --> 00:17:24.900 coming out all the time.

00:17:26.585 --> 00:17:28.025 But there's a recent trial that

NOTE Confidence: 0.93508977

00:17:28.025 --> 00:17:29.225 showed that if we can

NOTE Confidence: 0.93508977

00:17:29.225 --> 00:17:31.005 operate, remove all the cancer

NOTE Confidence: 0.93508977

00:17:31.145 --> 00:17:33.385 for a oropharynx or tonsillar

NOTE Confidence: 0.93508977

00:17:33.385 --> 00:17:34.525 based at tongue cancer,

NOTE Confidence: 0.99876994

00:17:34.825 --> 00:17:36.345 we can actually lower the

NOTE Confidence: 0.99876994

00:17:36.345 --> 00:17:38.265 dose of radiation by more

NOTE Confidence: 0.99876994

00:17:38.265 --> 00:17:39.005 than ten

NOTE Confidence: 0.9884996

00:17:39.570 --> 00:17:41.250 percent, almost twenty percent, and

NOTE Confidence: 0.9884996

00:17:41.250 --> 00:17:43.350 get the exact same cancer

NOTE Confidence: 0.9884996

00:17:43.409 --> 00:17:43.909 outcomes

NOTE Confidence: 0.9986456

00:17:44.210 --> 00:17:45.730 with a better quality of

NOTE Confidence: 0.9986456

00:17:45.730 --> 00:17:46.690 life. So these are the

NOTE Confidence: 0.9986456

00:17:46.690 --> 00:17:47.190 boundaries

NOTE Confidence: 0.99952394

00:17:47.490 --> 00:17:48.789 we're pushing in the field.

NOTE Confidence: 0.99003303

00:17:49.169 --> 00:17:50.130 And, you know, ten or

NOTE Confidence: 0.99003303

00:17:50.130 --> 00:17:51.650 twenty percent may not sound

NOTE Confidence: 0.99003303

00:17:51.650 --> 00:17:53.250 like that much to people

NOTE Confidence: 0.99003303

00:17:53.250 --> 00:17:53.750 listening,

NOTE Confidence: 0.9991968

00:17:54.405 --> 00:17:54.905 but

NOTE Confidence: 0.99961334

00:17:55.205 --> 00:17:56.345 the side effects

NOTE Confidence: 0.9746749

00:17:56.885 --> 00:17:57.385 increase,

NOTE Confidence: 0.9812731

00:17:58.805 --> 00:18:00.645 not in a linear

NOTE Confidence: 0.9812731

00:18:00.645 --> 00:18:01.925 fashion as you increase the

NOTE Confidence: 0.9812731

00:18:01.925 --> 00:18:02.905 dose of radiation.

NOTE Confidence: 0.9991955

00:18:03.605 --> 00:18:04.105 So

NOTE Confidence: 0.97302294

00:18:04.405 --> 00:18:06.105 that by eliminating

NOTE Confidence: 0.9992681

00:18:06.405 --> 00:18:07.685 twenty percent of the dose,

NOTE Confidence: 0.9992681

00:18:07.685 --> 00:18:08.585 you may eliminate

NOTE Confidence: 0.9962124

00:18:09.190 --> 00:18:10.869 fifty percent or eighty percent

NOTE Confidence: 0.9962124

00:18:10.869 --> 00:18:11.850 of the side effects.

NOTE Confidence: 0.98013264

00:18:12.710 --> 00:18:13.830 That's what we're

NOTE Confidence: 0.98013264

00:18:13.830 --> 00:18:15.190 trying trying to do. Any

NOTE Confidence: 0.98013264

00:18:15.190 --> 00:18:16.390 major cancer center in the

NOTE Confidence: 0.98013264

00:18:16.390 --> 00:18:17.350 country who sees a lot

NOTE Confidence: 0.98013264

00:18:17.350 --> 00:18:17.930 of this

NOTE Confidence: 0.98519063

00:18:18.390 --> 00:18:19.050 is exactly

NOTE Confidence: 0.94303167

00:18:19.910 --> 00:18:20.869 doing that. So you have

NOTE Confidence: 0.94303167

00:18:20.869 --> 00:18:22.634 the doctors and probably

NOTE Confidence: 0.94303167

00:18:22.634 --> 00:18:24.075 worth mentioning that in addition

NOTE Confidence: 0.94303167

00:18:24.075 --> 00:18:25.434 to the surgical oncologist and

NOTE Confidence: 0.94303167

00:18:25.434 --> 00:18:27.215 radiation oncologist and medical oncologist,

NOTE Confidence: 0.9935735

00:18:27.674 --> 00:18:29.434 you know, supporting all of

NOTE Confidence: 0.9935735

00:18:29.434 --> 00:18:30.815 us are the pathologists

NOTE Confidence: 0.97342426

00:18:31.195 --> 00:18:31.934 and the

NOTE Confidence: 0.99473876

00:18:32.234 --> 00:18:32.734 radiologists

NOTE Confidence: 0.98098177

00:18:33.115 --> 00:18:34.715 who we can't really live

NOTE Confidence: 0.98098177

00:18:34.715 --> 00:18:35.215 without.

NOTE Confidence: 0.98799324

00:18:35.570 --> 00:18:37.510 But then you have

NOTE Confidence: 0.98799324

00:18:37.650 --> 00:18:38.790 all the other people.

NOTE Confidence: 0.9790254

00:18:39.730 --> 00:18:41.250 And who else do you

NOTE Confidence: 0.9790254

00:18:41.250 --> 00:18:42.470 rely on? Because,

NOTE Confidence: 0.9703642

00:18:42.770 --> 00:18:43.429 you know,

NOTE Confidence: 0.99945736

00:18:44.050 --> 00:18:45.109 patients may

NOTE Confidence: 0.9783403

00:18:45.410 --> 00:18:47.010 come to a center because

NOTE Confidence: 0.9783403

00:18:47.010 --> 00:18:48.630 they have a doctor's name.

NOTE Confidence: 0.98700356

00:18:49.015 --> 00:18:49.835 But in the

NOTE Confidence: 0.9986534

00:18:50.215 --> 00:18:51.515 end, a lot of the

NOTE Confidence: 0.9951479

00:18:52.215 --> 00:18:53.355 care they receive is

00:18:56.375 --> 00:18:57.815 as a result of all

NOTE Confidence: 0.97524947

00:18:57.815 --> 00:18:59.895 the efforts that non

NOTE Confidence: 0.97524947

00:18:59.895 --> 00:19:01.415 doctors put into the care

NOTE Confidence: 0.97524947

00:19:01.415 --> 00:19:02.075 of patients.

NOTE Confidence: 0.95772386

00:19:03.310 --> 00:19:05.090 Definitely. I think this cancer

NOTE Confidence: 0.95772386

00:19:05.230 --> 00:19:06.450 may be more than others.

NOTE Confidence: 0.95772386

00:19:06.590 --> 00:19:07.710 I'm a little biased. It

NOTE Confidence: 0.95772386

00:19:07.710 --> 00:19:09.490 requires a lot of therapists.

NOTE Confidence: 0.95772386

00:19:09.710 --> 00:19:11.869 We're talking

NOTE Confidence: 0.95772386

00:19:11.869 --> 00:19:12.369 speech,

NOTE Confidence: 0.98832047

00:19:12.670 --> 00:19:14.590 language, and swallow therapists. We're

NOTE Confidence: 0.98832047

00:19:14.590 --> 00:19:15.810 talking lymphedema

NOTE Confidence: 0.8822577

00:19:16.350 --> 00:19:17.330 physical therapists.

NOTE Confidence: 0.9989656

00:19:18.345 --> 00:19:19.085 We're talking

NOTE Confidence: 0.75712395

00:19:19.385 --> 00:19:19.885 about

NOTE Confidence: 0.97628385

00:19:21.065 --> 00:19:23.244 social workers and mental therapists.

NOTE Confidence: 0.98360276

00:19:23.785 --> 00:19:24.285 Some

NOTE Confidence: 0.90302

00:19:24.665 --> 00:19:26.425 not talked about often, but

NOTE Confidence: 0.90302

00:19:26.425 --> 00:19:27.484 head and neck cancer

NOTE Confidence: 0.98800266

00:19:28.105 --> 00:19:29.545 patients who've recovered from that

NOTE Confidence: 0.98800266

00:19:29.545 --> 00:19:30.665 actually have some of the

NOTE Confidence: 0.98800266

00:19:30.665 --> 00:19:32.125 highest rates of depression

NOTE Confidence: 0.90052617

00:19:32.840 --> 00:19:33.900 following treatment.

NOTE Confidence: 0.9972984

00:19:34.680 --> 00:19:35.180 And

NOTE Confidence: 0.9933402

00:19:35.720 --> 00:19:37.660 we need psychiatrists, psychologists

NOTE Confidence: 0.9076976

00:19:38.040 --> 00:19:39.720 in the survivorship aspect of

NOTE Confidence: 0.9076976

00:19:39.720 --> 00:19:41.400 this. So really a lot

NOTE Confidence: 0.9076976

00:19:41.400 --> 00:19:42.220 of key

NOTE Confidence: 0.93482345

00:19:42.600 --> 00:19:44.440 we call them ancillary, but

NOTE Confidence: 0.93482345

00:19:44.440 --> 00:19:46.280 really they're absolutely critical to

NOTE Confidence: 0.93482345

00:19:46.280 --> 00:19:47.395 the quality of life and

NOTE Confidence: 0.93482345

00:19:47.395 --> 00:19:47.895 rehabilitation

NOTE Confidence: 0.9984206

00:19:48.355 --> 00:19:49.015 of patients.

NOTE Confidence: 0.97880363

00:19:49.635 --> 00:19:50.775 And then there are the

NOTE Confidence: 0.97880363

00:19:50.835 --> 00:19:52.434 nurses, of course, who are,

NOTE Confidence: 0.97880363

00:19:52.434 --> 00:19:53.715 you know, front and center

NOTE Confidence: 0.97880363

00:19:53.715 --> 00:19:54.615 in that group.

NOTE Confidence: 0.9995316

00:19:54.994 --> 00:19:56.775 Absolutely. We're dealing with tracheotomy

NOTE Confidence: 0.97587264

00:19:57.155 --> 00:19:59.554 tubes sometimes, feeding tubes. And

NOTE Confidence: 0.97587264

00:19:59.554 --> 00:20:00.835 when there's a problem, who

NOTE Confidence: 0.97587264

00:20:00.835 --> 00:20:01.734 do I call?

NOTE Confidence: 0.99366474

00:20:02.109 --> 00:20:04.029 The nurses to help manage

NOTE Confidence: 0.99366474

00:20:04.029 --> 00:20:04.529 them,

NOTE Confidence: 0.97282946

00:20:04.830 --> 00:20:06.609 counsel patients, teach patients.

00:20:08.830 --> 00:20:10.029 And

NOTE Confidence: 0.9824079

00:20:10.590 --> 00:20:12.109 it's oftentimes a hard course

NOTE Confidence: 0.9824079

00:20:12.109 --> 00:20:13.389 of treatment to go through

NOTE Confidence: 0.9824079

00:20:13.389 --> 00:20:13.889 getting

NOTE Confidence: 0.9982765

00:20:14.804 --> 00:20:15.304 chemotherapy

NOTE Confidence: 0.96687335

00:20:16.404 --> 00:20:17.784 and maybe radiation

NOTE Confidence: 0.9929906

00:20:18.325 --> 00:20:19.144 and surgery in

00:20:20.565 --> 00:20:21.705 varying orders.

00:20:25.365 --> 00:20:26.910 And oftentimes, you have to take

NOTE Confidence: 0.988325

00:20:26.990 --> 00:20:28.109 special steps to make sure

NOTE Confidence: 0.988325

00:20:28.109 --> 00:20:28.990 that people are gonna get

NOTE Confidence: 0.988325

00:20:28.990 --> 00:20:29.950 through this. So you have

NOTE Confidence: 0.988325

00:20:29.950 --> 00:20:31.310 to worry about how people

NOTE Confidence: 0.988325

00:20:31.310 --> 00:20:32.609 are gonna nourish themselves,

NOTE Confidence: 0.9982345

00:20:34.030 --> 00:20:34.530 and

NOTE Confidence: 0.9928957

00:20:34.830 --> 00:20:36.750 how they're gonna remain hydrated

NOTE Confidence: 0.9928957

00:20:36.750 --> 00:20:38.530 if they're having trouble swallowing.

NOTE Confidence: 0.9928957

00:20:38.750 --> 00:20:40.109 So these are the things

NOTE Confidence: 0.9928957

00:20:40.109 --> 00:20:41.630 you consider as well, I'd assume.

00:20:43.445 --> 00:20:44.885 Absolutely. And I think not

NOTE Confidence: 0.99294174

00:20:44.885 --> 00:20:46.085 only are they getting through

NOTE Confidence: 0.99294174

00:20:46.085 --> 00:20:47.125 a lot of different types

NOTE Confidence: 0.99294174

00:20:47.125 --> 00:20:48.565 of treatment, it's in a

NOTE Confidence: 0.99294174

00:20:48.565 --> 00:20:50.825 relatively short amount of time.

NOTE Confidence: 0.9970013

00:20:51.445 --> 00:20:53.285 Ideally, in an ideal world,

NOTE Confidence: 0.9970013

00:20:53.285 --> 00:20:54.805 if we're gonna operate and

NOTE Confidence: 0.9970013

00:20:54.805 --> 00:20:56.505 give radiation or chemo,

NOTE Confidence: 0.9913909

00:20:57.400 --> 00:20:58.520 we like to get that

NOTE Confidence: 0.9913909

00:20:58.520 --> 00:21:00.600 radiation chemo started within about

NOTE Confidence: 0.9913909

00:21:00.600 --> 00:21:01.420 six weeks

NOTE Confidence: 0.9995995

00:21:01.800 --> 00:21:03.480 of recovering from what's often

NOTE Confidence: 0.9995995

00:21:03.480 --> 00:21:04.140 a major

NOTE Confidence: 0.9795819

00:21:04.600 --> 00:21:06.440 surgery. And that's different than

NOTE Confidence: 0.9795819

00:21:06.440 --> 00:21:07.800 other cancers where you can

NOTE Confidence: 0.9795819

00:21:07.880 --> 00:21:08.680 you have a little bit

NOTE Confidence: 0.9795819

00:21:08.680 --> 00:21:09.960 more time to start the

NOTE Confidence: 0.9795819

00:21:09.960 --> 00:21:11.744 chemo or the immunotherapy or

NOTE Confidence: 0.9795819

00:21:11.744 --> 00:21:13.185 the systemic therapy or the

NOTE Confidence: 0.9795819

00:21:13.185 --> 00:21:13.685 radiation.

NOTE Confidence: 0.99363106

00:21:15.105 --> 00:21:16.145 And so a big part

NOTE Confidence: 0.99363106

00:21:16.145 --> 00:21:17.345 of that is getting them

NOTE Confidence: 0.99363106

00:21:17.345 --> 00:21:17.925 through it,

NOTE Confidence: 0.9974287

00:21:18.465 --> 00:21:19.925 having them not give up,

NOTE Confidence: 0.9991353

00:21:20.625 --> 00:21:21.685 making sure they're

NOTE Confidence: 0.93627435

00:21:23.920 --> 00:21:25.060 taking enough nutrition,

NOTE Confidence: 0.9908637

00:21:26.000 --> 00:21:28.080 and optimizing their swallowing function

NOTE Confidence: 0.9908637

00:21:28.080 --> 00:21:29.359 in the end.

NOTE Confidence: 0.9908637

00:21:29.359 --> 00:21:30.240 A lot of things to think about

NOTE Confidence: 0.9908637

00:21:30.240 --> 00:21:31.060 during treatment.

NOTE Confidence: 0.98996305

00:21:31.680 --> 00:21:32.880 So how do you talk

NOTE Confidence: 0.98996305

00:21:32.880 --> 00:21:35.220 to patients about doing less?

NOTE Confidence: 0.967685

00:21:36.585 --> 00:21:37.625 You know, there are a

NOTE Confidence: 0.967685

00:21:37.625 --> 00:21:39.065 lot of people who will

NOTE Confidence: 0.967685

00:21:39.065 --> 00:21:40.605 come in and will say,

NOTE Confidence: 0.99318284

00:21:42.025 --> 00:21:44.425 doctor, I want everything that

NOTE Confidence: 0.99318284

00:21:44.425 --> 00:21:45.465 I can get to make

NOTE Confidence: 0.99318284

00:21:45.465 --> 00:21:46.744 sure that this cancer is

NOTE Confidence: 0.99318284

00:21:46.744 --> 00:21:48.285 never gonna show up again.

NOTE Confidence: 0.9668064

00:21:49.020 --> 00:21:50.540 And you may have a

NOTE Confidence: 0.9668064

00:21:50.540 --> 00:21:52.800 clinical trial or you may

NOTE Confidence: 0.9668064

00:21:52.859 --> 00:21:53.359 actually,

NOTE Confidence: 0.99000967

00:21:54.780 --> 00:21:55.680 just know,

NOTE Confidence: 0.97484803

00:21:56.540 --> 00:21:57.740 based on trials that have

NOTE Confidence: 0.97484803

00:21:57.740 --> 00:21:59.500 been done, that sometimes a

NOTE Confidence: 0.97484803

00:21:59.500 --> 00:22:00.720 little less is

NOTE Confidence: 0.91084945

00:22:01.045 --> 00:22:02.905 every bit as good, or

NOTE Confidence: 0.95575696

00:22:03.525 --> 00:22:04.645 if not every bit as

NOTE Confidence: 0.95575696

00:22:04.645 --> 00:22:05.145 good,

NOTE Confidence: 0.9770994

00:22:05.525 --> 00:22:07.445 very close and maybe worth

NOTE Confidence: 0.9770994

00:22:07.445 --> 00:22:09.045 the trade off. So what

NOTE Confidence: 0.9770994

00:22:09.045 --> 00:22:10.645 what are those conversations like?

NOTE Confidence: 0.9770994

00:22:10.645 --> 00:22:11.365 And do people

NOTE Confidence: 0.9975983

00:22:12.165 --> 00:22:13.205 can you tell when you

NOTE Confidence: 0.9975983

00:22:13.205 --> 00:22:14.244 see somebody if they're gonna

NOTE Confidence: 0.9975983

00:22:14.244 --> 00:22:15.445 be comfortable doing a little

NOTE Confidence: 0.9975983

00:22:15.445 --> 00:22:16.185 bit less?

NOTE Confidence: 0.98350173

00:22:16.930 --> 00:22:17.970 Totally. When I see a

NOTE Confidence: 0.98350173

00:22:17.970 --> 00:22:18.850 new patient with head and

NOTE Confidence: 0.98350173

00:22:18.850 --> 00:22:19.890 neck cancer, I kinda talk

NOTE Confidence: 0.98350173

00:22:19.890 --> 00:22:21.650 to them about the journey

NOTE Confidence: 0.98350173

00:22:21.650 --> 00:22:22.930 of cancer. And during that

NOTE Confidence: 0.98350173

00:22:22.930 --> 00:22:23.890 time, you kinda get to

NOTE Confidence: 0.98350173

00:22:23.890 --> 00:22:25.190 know them and their personality.

NOTE Confidence: 0.98350173

00:22:25.490 --> 00:22:26.210 And I tell them the

NOTE Confidence: 0.98350173

00:22:26.210 --> 00:22:27.090 journey for head and neck

NOTE Confidence: 0.98350173

00:22:27.090 --> 00:22:28.869 cancer is threefold. One,

NOTE Confidence: 0.99618816

00:22:29.515 --> 00:22:30.575 get all the information.

NOTE Confidence: 0.96249366

00:22:30.955 --> 00:22:32.554 That's getting the scans, getting

NOTE Confidence: 0.96249366

00:22:32.554 --> 00:22:34.155 the consultations done with the

NOTE Confidence: 0.96249366

00:22:34.155 --> 00:22:36.315 multidisciplinary team, getting everything ready

NOTE Confidence: 0.96249366

00:22:36.315 --> 00:22:37.355 to go. I tell them

NOTE Confidence: 0.96249366

00:22:37.355 --> 00:22:38.475 this is probably the most

NOTE Confidence: 0.96249366

00:22:38.475 --> 00:22:39.755 frustrating part of your journey

NOTE Confidence: 0.96249366

00:22:39.755 --> 00:22:40.715 because you have

NOTE Confidence: 0.96249366

00:22:40.715 --> 00:22:41.215 cancer.

NOTE Confidence: 0.9978786

00:22:41.595 --> 00:22:43.340 You think we're not doing

NOTE Confidence: 0.9978786

00:22:43.340 --> 00:22:44.860 anything, but you're actually in

NOTE Confidence: 0.9978786

00:22:44.860 --> 00:22:45.920 the most important

NOTE Confidence: 0.9888848

00:22:46.220 --> 00:22:47.600 part of your journey.

NOTE Confidence: 0.98142236

00:22:47.980 --> 00:22:49.660 And this, I tell them,

NOTE Confidence: 0.98142236

00:22:49.660 --> 00:22:51.180 is really important. I could

NOTE Confidence: 0.98142236

00:22:51.180 --> 00:22:52.320 operate on you tomorrow,

NOTE Confidence: 0.998719

00:22:52.700 --> 00:22:53.200 but

NOTE Confidence: 0.9686571

00:22:54.415 --> 00:22:55.295 what if I do an

NOTE Confidence: 0.9686571

00:22:55.295 --> 00:22:57.695 unnecessary operation, impacts your swallowing,

NOTE Confidence: 0.9686571

00:22:57.695 --> 00:22:58.734 and you coulda just gone

NOTE Confidence: 0.9686571

00:22:58.734 --> 00:22:59.935 straight to radiation in a

NOTE Confidence: 0.9686571

00:22:59.935 --> 00:23:01.135 few weeks and had the

NOTE Confidence: 0.9686571

00:23:01.135 --> 00:23:02.494 exact same outcome with less

NOTE Confidence: 0.9686571

00:23:02.494 --> 00:23:04.015 side effects? Once I start

NOTE Confidence: 0.9686571

00:23:04.015 --> 00:23:05.455 telling talking to them about

NOTE Confidence: 0.9686571

00:23:05.455 --> 00:23:06.734 that, I think they realize

NOTE Confidence: 0.9686571

00:23:06.734 --> 00:23:07.475 it's worth

NOTE Confidence: 0.9734453

00:23:07.789 --> 00:23:09.070 the trade off to do

NOTE Confidence: 0.9734453

00:23:09.070 --> 00:23:10.429 the right work up, to

NOTE Confidence: 0.9734453

00:23:10.429 --> 00:23:11.649 see all the multidisciplinary

NOTE Confidence: 0.85879564

00:23:12.109 --> 00:23:12.609 team,

NOTE Confidence: 0.98739946

00:23:13.230 --> 00:23:15.649 and get less treatment if

NOTE Confidence: 0.98739946

00:23:15.869 --> 00:23:17.070 it's the right thing for

NOTE Confidence: 0.98739946

00:23:17.070 --> 00:23:18.750 you. Interestingly, I think I

NOTE Confidence: 0.98739946

00:23:18.750 --> 00:23:19.950 have less of that problem

NOTE Confidence: 0.98739946

00:23:19.950 --> 00:23:21.649 than maybe other cancers because

NOTE Confidence: 0.99960655

00:23:21.950 --> 00:23:22.450 people

NOTE Confidence: 0.9723092

00:23:23.804 --> 00:23:25.804 read, I guess, on Google,

NOTE Confidence: 0.9723092

00:23:25.804 --> 00:23:27.404 the Internet, whatever, about the

NOTE Confidence: 0.9723092

00:23:27.404 --> 00:23:28.284 side effects of head and

NOTE Confidence: 0.9723092

00:23:28.284 --> 00:23:29.804 neck cancer treatment, and most

NOTE Confidence: 0.9723092

00:23:29.804 --> 00:23:31.024 of them are happy

NOTE Confidence: 0.999843

00:23:31.325 --> 00:23:32.544 to take less treatment

NOTE Confidence: 0.99261445

00:23:32.845 --> 00:23:33.644 as long as they have

NOTE Confidence: 0.99261445

00:23:33.644 --> 00:23:35.164 the confidence it's not gonna

NOTE Confidence: 0.99261445

00:23:35.164 --> 00:23:37.264 impact their cure rates.

NOTE Confidence: 0.9997678

00:23:37.950 --> 00:23:38.450 Sure.

00:23:40.669 --> 00:23:42.190 These are often

NOTE Confidence: 0.9302582

00:23:42.190 --> 00:23:43.090 hard discussions.

NOTE Confidence: 0.99583113

00:23:43.470 --> 00:23:43.970 And,

NOTE Confidence: 0.88800764

00:23:44.350 --> 00:23:45.730 you know, it's interesting.

NOTE Confidence: 0.9961088

00:23:47.230 --> 00:23:49.090 When someone's first diagnosed,

NOTE Confidence: 0.9955124

00:23:50.669 --> 00:23:51.890 they're often willing to

00:23:53.595 --> 00:23:54.795 or say they will go

NOTE Confidence: 0.99532324

00:23:54.795 --> 00:23:55.615 through anything

NOTE Confidence: 0.9910839

00:23:56.395 --> 00:23:58.715 to absolutely minimize the chance

NOTE Confidence: 0.9910839

00:23:58.715 --> 00:23:59.994 of a recurrence of the

NOTE Confidence: 0.9910839

00:23:59.994 --> 00:24:00.494 cancer.

00:24:02.395 --> 00:24:03.135 But what sometimes

NOTE Confidence: 0.9994225

00:24:04.075 --> 00:24:05.934 is less apparent

NOTE Confidence: 0.9829023

00:24:06.400 --> 00:24:08.000 is that dealing with side

NOTE Confidence: 0.9829023

00:24:08.000 --> 00:24:09.859 effects that extend for

NOTE Confidence: 0.9813135

00:24:10.320 --> 00:24:11.920 a year, two years, five

NOTE Confidence: 0.9813135

00:24:11.920 --> 00:24:13.440 years, or in some cases,

NOTE Confidence: 0.9813135

00:24:13.440 --> 00:24:14.100 a lifetime

NOTE Confidence: 0.9581662

00:24:14.880 --> 00:24:16.480 can be pretty devastating. And

NOTE Confidence: 0.9581662

00:24:16.480 --> 00:24:17.619 I suspect that's

NOTE Confidence: 0.9919966

00:24:18.494 --> 00:24:20.015 partially related to the high

NOTE Confidence: 0.9919966

00:24:20.015 --> 00:24:21.615 rate of depression in many

NOTE Confidence: 0.9919966

00:24:21.615 --> 00:24:23.375 patients after treatment for head

NOTE Confidence: 0.9919966

00:24:23.375 --> 00:24:24.575 and neck cancers. It's just

NOTE Confidence: 0.9919966

00:24:24.575 --> 00:24:26.415 dealing with the chronic problems

NOTE Confidence: 0.9919966

00:24:26.415 --> 00:24:28.095 that just never seem to

NOTE Confidence: 0.9919966

00:24:28.095 --> 00:24:29.215 go away, which is what

NOTE Confidence: 0.9919966

00:24:29.215 --> 00:24:30.300 you're trying to avoid.

NOTE Confidence: 0.9863848

00:24:30.700 --> 00:24:31.740 I think you're right. If

NOTE Confidence: 0.9863848

00:24:31.740 --> 00:24:32.700 you have a patient with

NOTE Confidence: 0.9863848

00:24:32.700 --> 00:24:33.900 a cancer of the voice

NOTE Confidence: 0.9863848

00:24:33.900 --> 00:24:34.940 box sitting in front of

NOTE Confidence: 0.9863848

00:24:34.940 --> 00:24:36.220 you and you tell them,

NOTE Confidence: 0.9863848

00:24:36.220 --> 00:24:37.420 I could remove your voice

NOTE Confidence: 0.9863848

00:24:37.420 --> 00:24:37.920 box, but

00:24:40.380 --> 00:24:41.420 I could try and save

NOTE Confidence: 0.96593434

00:24:41.420 --> 00:24:43.555 your voice box, not operate,

NOTE Confidence: 0.96593434

00:24:43.695 --> 00:24:44.835 give you other treatments

NOTE Confidence: 0.9610121

00:24:45.295 --> 00:24:46.655 with the exact same cure

NOTE Confidence: 0.9610121

00:24:46.655 --> 00:24:47.155 rate.

NOTE Confidence: 0.99980605

00:24:47.775 --> 00:24:49.955 It's not a tough decision

NOTE Confidence: 0.99980605

00:24:50.175 --> 00:24:51.635 for a lot of them.

NOTE Confidence: 0.997748

00:24:52.335 --> 00:24:52.835 Yeah.

NOTE Confidence: 0.99872595

00:24:53.934 --> 00:24:55.215 So tell us a little

NOTE Confidence: 0.99872595

00:24:55.215 --> 00:24:56.115 bit about

NOTE Confidence: 0.9973375

00:24:56.539 --> 00:24:58.140 the research that you've been

NOTE Confidence: 0.9973375

00:24:58.140 --> 00:25:00.559 involved in over these past

NOTE Confidence: 0.996802

00:25:00.940 --> 00:25:02.240 five to ten years.

NOTE Confidence: 0.9963946

00:25:03.740 --> 00:25:06.299 My research is really

NOTE Confidence: 0.9963946

00:25:06.299 --> 00:25:07.760 focused on the process

NOTE Confidence: 0.9994488

00:25:08.140 --> 00:25:09.919 of cancer care delivery.

NOTE Confidence: 0.9981657

00:25:10.780 --> 00:25:12.044 It's a field of

NOTE Confidence: 0.9981657

00:25:12.044 --> 00:25:13.904 research called health services research.

NOTE Confidence: 0.9848539

00:25:14.524 --> 00:25:16.044 It doesn't get all the

NOTE Confidence: 0.9848539

00:25:16.044 --> 00:25:17.725 fame and glory of fancy

NOTE Confidence: 0.9848539

00:25:17.725 --> 00:25:19.024 new drugs and medications,

NOTE Confidence: 0.9638689

00:25:19.325 --> 00:25:21.325 but in my hypothesis and

NOTE Confidence: 0.9638689

00:25:21.325 --> 00:25:22.365 theory and why I'm so

NOTE Confidence: 0.9638689

00:25:22.365 --> 00:25:23.725 interested in it is I

NOTE Confidence: 0.9638689

00:25:23.725 --> 00:25:25.500 think, as a health services

NOTE Confidence: 0.9638689

00:25:25.559 --> 00:25:27.420 researcher, we can make just

NOTE Confidence: 0.9638689

00:25:27.559 --> 00:25:29.480 a big an impact on

NOTE Confidence: 0.9638689

00:25:29.480 --> 00:25:29.980 outcomes

NOTE Confidence: 0.9989835

00:25:30.280 --> 00:25:31.500 and care of patients

NOTE Confidence: 0.9922748

00:25:32.280 --> 00:25:34.119 throughout the world as the

NOTE Confidence: 0.9922748

00:25:34.119 --> 00:25:35.820 next fancy blue pill.

NOTE Confidence: 0.94487214

00:25:36.600 --> 00:25:37.960 And that's where if you

NOTE Confidence: 0.94487214

00:25:37.960 --> 00:25:39.895 can't deliver that blue pill

NOTE Confidence: 0.94487214

00:25:39.895 --> 00:25:40.555 to everybody,

NOTE Confidence: 0.99404836

00:25:42.055 --> 00:25:43.835 and if people have trouble

NOTE Confidence: 0.99404836

00:25:43.895 --> 00:25:45.175 taking it or people have

NOTE Confidence: 0.99404836

00:25:45.175 --> 00:25:46.715 trouble accessing it,

NOTE Confidence: 0.9515458

00:25:47.255 --> 00:25:48.535 it's not gonna do anyone

NOTE Confidence: 0.9515458

00:25:48.535 --> 00:25:49.734 much good. So we

NOTE Confidence: 0.9515458

00:25:49.734 --> 00:25:50.775 have to figure these things out.

NOTE Confidence: 0.9515458

00:25:50.775 --> 00:25:51.655 Exactly. So I think

NOTE Confidence: 0.9515458

00:25:51.655 --> 00:25:52.830 it tell us more about

NOTE Confidence: 0.9557588

00:25:53.230 --> 00:25:54.429 what you do. Exactly. So

NOTE Confidence: 0.9557588

00:25:54.429 --> 00:25:55.630 I think we need to

NOTE Confidence: 0.9557588

00:25:55.630 --> 00:25:56.789 work hand in hand with

NOTE Confidence: 0.9557588

00:25:56.789 --> 00:25:58.190 the researchers who

NOTE Confidence: 0.9557588

00:25:58.190 --> 00:25:59.390 are making the fancy blue

NOTE Confidence: 0.9557588

00:25:59.390 --> 00:26:00.510 pills because as you pointed

NOTE Confidence: 0.9557588

00:26:00.510 --> 00:26:01.390 out, how do you get

NOTE Confidence: 0.9557588

00:26:01.390 --> 00:26:02.750 it to people? How do

NOTE Confidence: 0.9557588

00:26:02.750 --> 00:26:03.250 you

NOTE Confidence: 0.9537112

00:26:03.630 --> 00:26:05.789 decrease variation in cancer care

NOTE Confidence: 0.9537112

00:26:05.789 --> 00:26:07.665 delivery across the country?

NOTE Confidence: 0.9537112

00:26:07.744 --> 00:26:08.785 Somebody in one part

NOTE Confidence: 0.9537112

00:26:08.785 --> 00:26:10.165 of the country should have

NOTE Confidence: 0.99759656

00:26:10.865 --> 00:26:12.065 the ability to get the

NOTE Confidence: 0.99759656

00:26:12.065 --> 00:26:13.984 same quality of care with

NOTE Confidence: 0.99759656

00:26:13.984 --> 00:26:15.765 the latest and greatest information

NOTE Confidence: 0.99759656

00:26:15.825 --> 00:26:17.025 that somebody in another part

NOTE Confidence: 0.99759656

00:26:17.025 --> 00:26:17.765 of the country

NOTE Confidence: 0.9825008

00:26:18.225 --> 00:26:19.980 has access to. And that's

NOTE Confidence: 0.9825008

00:26:20.220 --> 00:26:21.740 basically my research. We look

NOTE Confidence: 0.9825008

00:26:21.740 --> 00:26:23.260 at national trends. We look

NOTE Confidence: 0.9825008

00:26:23.260 --> 00:26:24.700 at regional trends, and we

NOTE Confidence: 0.9825008

00:26:24.700 --> 00:26:26.480 look at barriers to accessing

NOTE Confidence: 0.9799092

00:26:27.100 --> 00:26:28.619 that care and delivering that

NOTE Confidence: 0.9799092

00:26:28.619 --> 00:26:29.820 care. And we've found some

NOTE Confidence: 0.9799092

00:26:29.820 --> 00:26:30.320 really

NOTE Confidence: 0.9232217

00:26:30.700 --> 00:26:32.380 interesting and drawn some interesting

NOTE Confidence: 0.9232217

00:26:32.380 --> 00:26:33.740 conclusions about this. And most

NOTE Confidence: 0.9232217

00:26:33.740 --> 00:26:34.940 importantly, I think, it's just

NOTE Confidence: 0.9232217

00:26:34.940 --> 00:26:35.679 raised awareness

NOTE Confidence: 0.9997657

00:26:36.605 --> 00:26:37.585 of the variability

NOTE Confidence: 0.9841175

00:26:38.205 --> 00:26:39.805 and differences in care.

NOTE Confidence: 0.9841175

00:26:39.805 --> 00:26:41.585 Finally, in our last minute,

NOTE Confidence: 0.96650666

00:26:41.965 --> 00:26:43.165 and maybe this is sort

NOTE Confidence: 0.96650666

00:26:43.165 --> 00:26:44.365 of backwards, and I should

NOTE Confidence: 0.96650666

00:26:44.365 --> 00:26:45.325 have asked you this to

NOTE Confidence: 0.96650666

00:26:45.325 --> 00:26:46.785 begin with. But

NOTE Confidence: 0.9991106

00:26:47.085 --> 00:26:48.445 can you just leave our

NOTE Confidence: 0.9991106

00:26:48.445 --> 00:26:49.665 listeners with

NOTE Confidence: 0.9918745

00:26:50.850 --> 00:26:52.550 a few comments about

NOTE Confidence: 0.9967063

00:26:52.930 --> 00:26:54.609 the kinds of symptoms that

NOTE Confidence: 0.9967063

00:26:54.609 --> 00:26:56.630 they may have that

NOTE Confidence: 0.9920685

00:26:57.410 --> 00:26:58.930 should lead them to seek

NOTE Confidence: 0.9920685

00:26:58.930 --> 00:27:00.450 attention for a possible head

NOTE Confidence: 0.9920685

00:27:00.450 --> 00:27:01.270 and neck cancer?

NOTE Confidence: 0.9856186

00:27:01.730 --> 00:27:02.850 Absolutely. And I think it's

NOTE Confidence: 0.9856186

00:27:02.850 --> 00:27:04.244 a great way to end

NOTE Confidence: 0.9856186

00:27:04.244 --> 00:27:06.005 because we are all about

NOTE Confidence: 0.9856186

00:27:06.005 --> 00:27:07.365 awareness in head and neck

NOTE Confidence: 0.9856186

00:27:07.365 --> 00:27:09.145 cancers. We don't have fancy

NOTE Confidence: 0.9856186

00:27:09.205 --> 00:27:11.285 screening guidelines like lung cancer

NOTE Confidence: 0.9856186

00:27:11.285 --> 00:27:12.805 and breast cancer and colon

NOTE Confidence: 0.9856186

00:27:12.805 --> 00:27:14.265 cancer and prostate cancer.

NOTE Confidence: 0.99810946

00:27:14.645 --> 00:27:16.345 We are all about awareness.

NOTE Confidence: 0.99321103

00:27:16.960 --> 00:27:19.200 So symptoms that patients need

NOTE Confidence: 0.99321103

00:27:19.200 --> 00:27:20.260 to be aware of,

NOTE Confidence: 0.96492344

00:27:20.800 --> 00:27:22.080 when thinking about head and

NOTE Confidence: 0.96492344

00:27:22.080 --> 00:27:23.680 neck cancers would be a

NOTE Confidence: 0.96492344

00:27:23.680 --> 00:27:24.960 sore in the mouth that

NOTE Confidence: 0.96492344

00:27:24.960 --> 00:27:26.720 doesn't heal after a few

NOTE Confidence: 0.96492344

00:27:26.720 --> 00:27:28.240 weeks, maybe four to six

NOTE Confidence: 0.96492344

00:27:28.240 --> 00:27:29.440 weeks. Everyone gets a sore

NOTE Confidence: 0.96492344

00:27:29.440 --> 00:27:30.160 once in a while, a

NOTE Confidence: 0.96492344

00:27:30.160 --> 00:27:31.725 canker sore, but they heal.

NOTE Confidence: 0.96492344

00:27:31.804 --> 00:27:33.905 Something that doesn't heal, seek attention.

NOTE Confidence: 0.91164166

00:27:34.684 --> 00:27:36.525 If you have a throat

NOTE Confidence: 0.91164166

00:27:36.525 --> 00:27:37.025 pain,

NOTE Confidence: 0.99281174

00:27:37.484 --> 00:27:37.984 one-sided,

NOTE Confidence: 0.9912346

00:27:38.365 --> 00:27:39.905 not getting better after

NOTE Confidence: 0.99929476

00:27:40.525 --> 00:27:42.605 four weeks, six weeks, seek

NOTE Confidence: 0.99929476

00:27:42.605 --> 00:27:43.744 attention immediately.

NOTE Confidence: 0.99219936

00:27:44.539 --> 00:27:45.900 Referred pain to the ear

NOTE Confidence: 0.99219936

00:27:45.900 --> 00:27:47.820 can sometimes be associated with

NOTE Confidence: 0.99219936

00:27:47.820 --> 00:27:49.020 deeper cancers in the throat

NOTE Confidence: 0.99219936

00:27:49.020 --> 00:27:50.700 that you can't see, voice

NOTE Confidence: 0.99219936

00:27:50.700 --> 00:27:53.280 changes, raspiness of voice, difficulty

NOTE Confidence: 0.99219936

00:27:53.419 --> 00:27:53.919 swallowing.

NOTE Confidence: 0.99765325

00:27:54.220 --> 00:27:55.900 And then for HPV cancers,

NOTE Confidence: 0.99765325

00:27:55.900 --> 00:27:57.020 one of the most common

NOTE Confidence: 0.99765325

00:27:57.020 --> 00:27:57.520 presentations

NOTE Confidence: 0.99385804

00:27:57.900 --> 00:27:59.895 is actually a neck mass.

NOTE Confidence: 0.99385804

00:28:00.135 --> 00:28:01.895 Before you even find anything

NOTE Confidence: 0.99385804

00:28:01.895 --> 00:28:02.855 in your throat or have

NOTE Confidence: 0.99385804

00:28:02.855 --> 00:28:03.994 a symptom in your throat,

NOTE Confidence: 0.99385804

00:28:04.215 --> 00:28:05.515 a lump in the neck.

NOTE Confidence: 0.99385804

00:28:05.734 --> 00:28:07.575 If you're above thirty five

NOTE Confidence: 0.99385804

00:28:07.575 --> 00:28:08.535 and have a lump in

NOTE Confidence: 0.99385804

00:28:08.535 --> 00:28:09.595 your neck develop,

NOTE Confidence: 0.9725637

00:28:10.135 --> 00:28:11.255 go get that checked out

NOTE Confidence: 0.9725637

00:28:11.255 --> 00:28:13.840 immediately and ask about the

NOTE Confidence: 0.9725637

00:28:13.840 --> 00:28:16.080 possibility of an HPV associated

NOTE Confidence: 0.9725637

00:28:16.080 --> 00:28:16.580 cancer.

NOTE Confidence: 0.8946608

00:28:17.200 --> 00:28:18.720 Doctor Saral Mehra is an

NOTE Confidence: 0.8946608

00:28:18.720 --> 00:28:20.559 associate professor of surgery and

NOTE Confidence: 0.8946608

00:28:20.559 --> 00:28:21.059 otolaryngology

NOTE Confidence: 0.99549073

00:28:21.679 --> 00:28:22.720 at the Yale School of

NOTE Confidence: 0.99549073

00:28:22.720 --> 00:28:23.220 Medicine.

NOTE Confidence: 0.9865537

00:28:23.759 --> 00:28:24.960 If you have questions, the

NOTE Confidence: 0.9865537

00:28:24.960 --> 00:28:26.559 address is cancer answers at

NOTE Confidence: 0.9865537

00:28:26.559 --> 00:28:27.915 yale dot e d u,

NOTE Confidence: 0.9865537

00:28:27.994 --> 00:28:29.275 and past editions of the

NOTE Confidence: 0.9865537

00:28:29.275 --> 00:28:30.955 program are available in audio

NOTE Confidence: 0.9865537

00:28:30.955 --> 00:28:32.315 and written form at yale

NOTE Confidence: 0.9865537

00:28:32.315 --> 00:28:34.155 cancer center dot org. We

NOTE Confidence: 0.9865537

00:28:34.155 --> 00:28:35.195 hope you'll join us next

NOTE Confidence: 0.9865537

00:28:35.195 --> 00:28:36.155 time to learn more about

NOTE Confidence: 0.9865537

00:28:36.155 --> 00:28:38.075 the fight against cancer. Funding

NOTE Confidence: 0.9865537

00:28:38.075 --> 00:28:39.595 for Yale Cancer Answers is

NOTE Confidence: 0.9865537

00:28:39.595 --> 00:28:41.615 provided by Smilow Cancer Hospital.