

WEBVTT

NOTE duration:"00:29:00"

NOTE recognizability:0.868

NOTE language:en-us

NOTE Confidence: 0.801704116363636

00:00:00.000 --> 00:00:02.148 Funding for Yale Cancer Answers is

NOTE Confidence: 0.801704116363636

00:00:02.148 --> 00:00:04.180 provided by Smilow Cancer Hospital.

NOTE Confidence: 0.81131856375

00:00:06.470 --> 00:00:08.342 Welcome to Yale Cancer answers with

NOTE Confidence: 0.81131856375

00:00:08.342 --> 00:00:10.248 your host, Doctor Annise Chappar

NOTE Confidence: 0.81131856375

00:00:10.248 --> 00:00:12.378 Yale Cancer answers features the

NOTE Confidence: 0.81131856375

00:00:12.378 --> 00:00:14.757 latest information on cancer care by

NOTE Confidence: 0.81131856375

00:00:14.757 --> 00:00:16.225 welcoming oncologists and specialists

NOTE Confidence: 0.81131856375

00:00:16.225 --> 00:00:18.515 who are on the forefront of the

NOTE Confidence: 0.81131856375

00:00:18.515 --> 00:00:20.262 battle to fight cancer this week.

NOTE Confidence: 0.81131856375

00:00:20.262 --> 00:00:21.642 It's a conversation about the

NOTE Confidence: 0.81131856375

00:00:21.642 --> 00:00:23.374 surgical care of head and neck

NOTE Confidence: 0.81131856375

00:00:23.374 --> 00:00:24.510 cancers with Doctor Avanti.

NOTE Confidence: 0.81131856375

00:00:24.510 --> 00:00:26.340 Vermont Doctor Verma is an

NOTE Confidence: 0.81131856375

00:00:26.340 --> 00:00:28.170 assistant professor of surgery and  
NOTE Confidence: 0.81131856375

00:00:28.238 --> 00:00:30.218 otolaryngology at the Yale School  
NOTE Confidence: 0.81131856375

00:00:30.218 --> 00:00:32.626 of Medicine where Doctor Chappas is  
NOTE Confidence: 0.81131856375

00:00:32.626 --> 00:00:34.426 a professor of surgical oncology.  
NOTE Confidence: 0.905946936521739

00:00:35.280 --> 00:00:37.400 Maybe we can start off with you  
NOTE Confidence: 0.905946936521739

00:00:37.400 --> 00:00:39.312 telling us a little bit more about  
NOTE Confidence: 0.905946936521739

00:00:39.312 --> 00:00:41.368 yourself and what it is that you do.  
NOTE Confidence: 0.8339751844

00:00:42.810 --> 00:00:45.582 Yes, so I am a I like to describe  
NOTE Confidence: 0.8339751844

00:00:45.582 --> 00:00:47.980 myself as a surgical oncologist within  
NOTE Confidence: 0.8339751844

00:00:47.980 --> 00:00:50.590 the field of ENT and particularly  
NOTE Confidence: 0.8339751844

00:00:50.590 --> 00:00:54.166 head and neck surgery so you know as  
NOTE Confidence: 0.8339751844

00:00:54.166 --> 00:00:56.011 surgical oncologists we work very  
NOTE Confidence: 0.8339751844

00:00:56.011 --> 00:00:57.560 closely with the multidisciplinary  
NOTE Confidence: 0.8339751844

00:00:57.560 --> 00:01:00.604 team and we often are some of the  
NOTE Confidence: 0.8339751844

00:01:00.604 --> 00:01:02.938 initial people within the oncology team  
NOTE Confidence: 0.8339751844

00:01:02.938 --> 00:01:05.342 to see patients with head and neck

NOTE Confidence: 0.8339751844

00:01:05.342 --> 00:01:07.190 cancer because these patients tend to

NOTE Confidence: 0.8339751844

00:01:07.253 --> 00:01:09.615 have symptoms related to the head and

NOTE Confidence: 0.8339751844

00:01:09.615 --> 00:01:11.769 neck region and then present to ear,

NOTE Confidence: 0.8339751844

00:01:11.770 --> 00:01:12.745 nose and throat.

NOTE Confidence: 0.8339751844

00:01:12.745 --> 00:01:15.020 Doctors who would then refer patients over

NOTE Confidence: 0.8339751844

00:01:15.082 --> 00:01:17.287 to us if they're concerned about cancer,

NOTE Confidence: 0.804597031428572

00:01:17.770 --> 00:01:22.474 and so, so in managing these patients,

NOTE Confidence: 0.804597031428572

00:01:22.480 --> 00:01:24.251 maybe we can start off by you

NOTE Confidence: 0.804597031428572

00:01:24.251 --> 00:01:26.438 telling us a little bit more about

NOTE Confidence: 0.804597031428572

00:01:26.438 --> 00:01:28.143 who exactly these people are.

NOTE Confidence: 0.804597031428572

00:01:28.150 --> 00:01:29.668 I mean, when we think about

NOTE Confidence: 0.804597031428572

00:01:29.668 --> 00:01:30.680 head and neck cancers,

NOTE Confidence: 0.804597031428572

00:01:30.680 --> 00:01:31.900 the head and the neck,

NOTE Confidence: 0.804597031428572

00:01:31.900 --> 00:01:33.384 although a small space,

NOTE Confidence: 0.804597031428572

00:01:33.384 --> 00:01:36.179 has got a lot of stuff in it.

NOTE Confidence: 0.804597031428572

00:01:36.180 --> 00:01:38.871 So tell us a little bit more about the  
NOTE Confidence: 0.804597031428572

00:01:38.871 --> 00:01:41.280 types of cancers that you deal with.  
NOTE Confidence: 0.868062826666667

00:01:41.860 --> 00:01:44.849 Yes, the. Most common type of head  
NOTE Confidence: 0.868062826666667

00:01:44.849 --> 00:01:47.820 and neck cancer arises from the  
NOTE Confidence: 0.868062826666667

00:01:47.820 --> 00:01:50.490 lining of the aerodigestive tract.  
NOTE Confidence: 0.868062826666667

00:01:50.490 --> 00:01:53.450 As we say, so it could be in the nose,  
NOTE Confidence: 0.868062826666667

00:01:53.450 --> 00:01:56.170 the sinuses if we go further down the  
NOTE Confidence: 0.868062826666667

00:01:56.170 --> 00:01:58.502 oral cavity where the tongue, lips,  
NOTE Confidence: 0.868062826666667

00:01:58.502 --> 00:02:01.702 cheeks are the inside of your cheeks and  
NOTE Confidence: 0.868062826666667

00:02:01.702 --> 00:02:04.866 then even further down into the throat.  
NOTE Confidence: 0.868062826666667

00:02:04.870 --> 00:02:08.806 So the voice box and even the upper  
NOTE Confidence: 0.868062826666667

00:02:08.806 --> 00:02:11.020 esophagus and the vast majority  
NOTE Confidence: 0.868062826666667

00:02:11.020 --> 00:02:13.600 of cancers come from these areas.  
NOTE Confidence: 0.868062826666667

00:02:13.600 --> 00:02:15.826 But head and neck cancers can also  
NOTE Confidence: 0.868062826666667

00:02:15.826 --> 00:02:18.092 arise in the neck in the lymph nodes  
NOTE Confidence: 0.868062826666667

00:02:18.092 --> 00:02:19.870 or in the salivary glands as well,

NOTE Confidence: 0.9076587

00:02:20.520 --> 00:02:23.103 and so are there particular patients who

NOTE Confidence: 0.9076587

00:02:23.103 --> 00:02:26.129 are at risk of these types of cancers.

NOTE Confidence: 0.802946498571429

00:02:27.060 --> 00:02:29.676 Yes, the most common risk factor

NOTE Confidence: 0.802946498571429

00:02:29.676 --> 00:02:32.107 that is talked about traditionally

NOTE Confidence: 0.802946498571429

00:02:32.107 --> 00:02:34.486 is tobacco use, smoking,

NOTE Confidence: 0.802946498571429

00:02:34.486 --> 00:02:37.416 chewing, tobacco, even cigar use,

NOTE Confidence: 0.802946498571429

00:02:37.420 --> 00:02:39.490 but something that also sometimes goes

NOTE Confidence: 0.802946498571429

00:02:39.490 --> 00:02:41.915 along with this and has a synergistic

NOTE Confidence: 0.802946498571429

00:02:41.915 --> 00:02:44.204 effect with this in terms of causing.

NOTE Confidence: 0.802946498571429

00:02:44.210 --> 00:02:45.650 Answers is alcohol use as

NOTE Confidence: 0.729291788076923

00:02:45.660 --> 00:02:49.188 well and so is there a demographic

NOTE Confidence: 0.729291788076923

00:02:49.188 --> 00:02:52.448 that's more prone than than others?

NOTE Confidence: 0.729291788076923

00:02:52.450 --> 00:02:54.949 I mean is this mainly older people?

NOTE Confidence: 0.729291788076923

00:02:54.950 --> 00:02:55.834 Younger people.

NOTE Confidence: 0.729291788076923

00:02:55.834 --> 00:02:59.370 Do we see a racial or a gender

NOTE Confidence: 0.729291788076923

00:02:59.469 --> 00:03:01.677 or an ethnic variation?  
NOTE Confidence: 0.729291788076923

00:03:01.680 --> 00:03:04.280 Yes, so generally  
NOTE Confidence: 0.927520032

00:03:04.290 --> 00:03:07.790 as people use these substances,  
NOTE Confidence: 0.927520032

00:03:07.790 --> 00:03:09.830 you know there's an increased effect  
NOTE Confidence: 0.927520032

00:03:09.830 --> 00:03:12.115 over time and so the traditionally  
NOTE Confidence: 0.927520032

00:03:12.115 --> 00:03:14.265 the majority of our patients.  
NOTE Confidence: 0.927520032

00:03:14.270 --> 00:03:16.657 Or older, but we do see head  
NOTE Confidence: 0.927520032

00:03:16.657 --> 00:03:18.718 and neck cancers in younger  
NOTE Confidence: 0.927520032

00:03:18.718 --> 00:03:20.638 patients sometimes as well.  
NOTE Confidence: 0.927520032

00:03:20.640 --> 00:03:23.151 And I know that you know in the past  
NOTE Confidence: 0.927520032

00:03:23.151 --> 00:03:25.519 decade or two there's been a big rise,  
NOTE Confidence: 0.927520032

00:03:25.520 --> 00:03:27.390 particularly in North America and  
NOTE Confidence: 0.927520032

00:03:27.390 --> 00:03:29.260 in Northern Europe of squamous  
NOTE Confidence: 0.927520032

00:03:29.324 --> 00:03:31.079 cell carcinomas of the throat,  
NOTE Confidence: 0.927520032

00:03:31.080 --> 00:03:32.628 in particular being related  
NOTE Confidence: 0.927520032

00:03:32.628 --> 00:03:34.563 to the human papilloma virus,

NOTE Confidence: 0.927520032

00:03:34.570 --> 00:03:36.820 so that tends to manifest

NOTE Confidence: 0.927520032

00:03:36.820 --> 00:03:38.170 in younger patients.

NOTE Confidence: 0.887127075294118

00:03:38.940 --> 00:03:41.418 It it's interesting that you you

NOTE Confidence: 0.887127075294118

00:03:41.418 --> 00:03:43.606 note that HPV related cancers

NOTE Confidence: 0.887127075294118

00:03:43.606 --> 00:03:46.360 tend to occur in younger patients.

NOTE Confidence: 0.887127075294118

00:03:46.360 --> 00:03:49.586 Why is that? I mean, one would

NOTE Confidence: 0.887127075294118

00:03:49.586 --> 00:03:53.984 think that younger people would be.

NOTE Confidence: 0.887127075294118

00:03:53.990 --> 00:03:57.203 In an age group where they would have been

NOTE Confidence: 0.887127075294118

00:03:57.210 --> 00:04:00.450 able to avail themselves of the HPV vaccine,

NOTE Confidence: 0.887127075294118

00:04:00.450 --> 00:04:05.049 did we find that HPV related cancers

NOTE Confidence: 0.887127075294118

00:04:05.050 --> 00:04:08.326 are a different biological beast that

NOTE Confidence: 0.887127075294118

00:04:08.326 --> 00:04:11.680 tend to affect younger people? Yeah,

NOTE Confidence: 0.942568655

00:04:11.690 --> 00:04:13.340 that's a that's a great question.

NOTE Confidence: 0.942568655

00:04:13.340 --> 00:04:16.640 The mechanisms are definitely different.

NOTE Confidence: 0.942568655

00:04:16.640 --> 00:04:19.132 The vast majority of the population does

NOTE Confidence: 0.942568655

00:04:19.132 --> 00:04:21.957 get exposed to the human papilloma virus.  
NOTE Confidence: 0.942568655

00:04:21.960 --> 00:04:24.827 I think the numbers about 85% and it  
NOTE Confidence: 0.942568655

00:04:24.827 --> 00:04:27.690 does happen at a relatively young age.  
NOTE Confidence: 0.942568655

00:04:27.690 --> 00:04:30.198 It is associated with sexual activity,  
NOTE Confidence: 0.942568655

00:04:30.200 --> 00:04:31.880 and that's why you know that when  
NOTE Confidence: 0.942568655

00:04:31.880 --> 00:04:33.310 we speak about vaccinations,  
NOTE Confidence: 0.942568655

00:04:33.310 --> 00:04:36.556 we try to target, you know.  
NOTE Confidence: 0.942568655

00:04:36.560 --> 00:04:41.884 Preteens, mostly for the for vaccination,  
NOTE Confidence: 0.942568655

00:04:41.884 --> 00:04:45.005 but anyway, we've seen these cancers manifest  
NOTE Confidence: 0.942568655

00:04:45.005 --> 00:04:47.439 in patients even as young as their 30s,  
NOTE Confidence: 0.942568655

00:04:47.440 --> 00:04:50.750 but traditionally 40s, fifties, 60s,  
NOTE Confidence: 0.942568655

00:04:50.750 --> 00:04:53.324 and that that happens even decades,  
NOTE Confidence: 0.942568655

00:04:53.324 --> 00:04:54.530 potentially after they've  
NOTE Confidence: 0.942568655

00:04:54.530 --> 00:04:56.540 been exposed to the virus  
NOTE Confidence: 0.778733332

00:04:57.270 --> 00:05:00.320 and and so you know,  
NOTE Confidence: 0.778733332

00:05:00.320 --> 00:05:02.504 certainly a good thing to keep



NOTE Confidence: 0.778733332

00:05:02.504 --> 00:05:05.188 in mind for parents who may be

NOTE Confidence: 0.778733332

00:05:05.188 --> 00:05:08.156 listening to us so that. You know,

NOTE Confidence: 0.778733332

00:05:08.156 --> 00:05:11.572 we think that HPV can cause cancers,

NOTE Confidence: 0.778733332

00:05:11.580 --> 00:05:13.556 particularly in young adults,

NOTE Confidence: 0.778733332

00:05:13.556 --> 00:05:16.520 and so it's really important to

NOTE Confidence: 0.778733332

00:05:16.603 --> 00:05:19.518 vaccinate your children against HPV,

NOTE Confidence: 0.778733332

00:05:19.520 --> 00:05:21.748 because potentially that can

NOTE Confidence: 0.778733332

00:05:21.748 --> 00:05:23.419 prevent a cancer.

NOTE Confidence: 0.778733332

00:05:23.420 --> 00:05:23.990 Is that right?

NOTE Confidence: 0.892576340555556

00:05:24.440 --> 00:05:25.499 Yes, exactly it.

NOTE Confidence: 0.892576340555556

00:05:25.499 --> 00:05:28.476 You know it took some time for the

NOTE Confidence: 0.892576340555556

00:05:28.476 --> 00:05:31.493 vaccination to be available to young boys,

NOTE Confidence: 0.892576340555556

00:05:31.500 --> 00:05:34.188 and I know initially it was girls

NOTE Confidence: 0.892576340555556

00:05:34.188 --> 00:05:35.920 because of cervical cancer,

NOTE Confidence: 0.892576340555556

00:05:35.920 --> 00:05:37.624 but we do actually.

NOTE Confidence: 0.892576340555556

00:05:37.624 --> 00:05:40.110 More commonly, we don't know exactly why,  
NOTE Confidence: 0.892576340555556

00:05:40.110 --> 00:05:42.838 but more commonly, see this in men late,  
NOTE Confidence: 0.892576340555556

00:05:42.840 --> 00:05:44.406 you know in those decades that  
NOTE Confidence: 0.892576340555556

00:05:44.406 --> 00:05:46.090 I mentioned 30s, Forties, 50s,  
NOTE Confidence: 0.892576340555556

00:05:46.090 --> 00:05:49.690 even in 60s and beyond as possible too.  
NOTE Confidence: 0.892576340555556

00:05:49.690 --> 00:05:52.050 So it's very important for both boys and  
NOTE Confidence: 0.892576340555556

00:05:52.050 --> 00:05:54.337 girls to get vaccinated against HPV.  
NOTE Confidence: 0.878467415

00:05:55.370 --> 00:05:57.974 And so you know when you think  
NOTE Confidence: 0.878467415

00:05:57.974 --> 00:06:01.488 about how people present.  
NOTE Confidence: 0.878467415

00:06:01.490 --> 00:06:04.322 You know, we know that for many other  
NOTE Confidence: 0.878467415

00:06:04.322 --> 00:06:07.000 more common cancers, breast cancer,  
NOTE Confidence: 0.878467415

00:06:07.000 --> 00:06:09.700 colon cancer, cervical cancer,  
NOTE Confidence: 0.878467415

00:06:09.700 --> 00:06:11.540 even lung cancer we have.  
NOTE Confidence: 0.878467415

00:06:11.540 --> 00:06:13.556 We have good screening tools that  
NOTE Confidence: 0.878467415

00:06:13.556 --> 00:06:17.279 help us to find these cancer early.  
NOTE Confidence: 0.878467415

00:06:17.280 --> 00:06:18.946 What about for head and neck cancer?

NOTE Confidence: 0.90678278

00:06:19.680 --> 00:06:22.396 Yes, you know there isn't really a

NOTE Confidence: 0.90678278

00:06:22.396 --> 00:06:24.642 great screening test that has been

NOTE Confidence: 0.90678278

00:06:24.642 --> 00:06:27.120 shown to improve survival or outcomes.

NOTE Confidence: 0.90678278

00:06:27.120 --> 00:06:29.200 We do, you know now that it's head

NOTE Confidence: 0.90678278

00:06:29.200 --> 00:06:31.550 and neck cancer Awareness Month we do.

NOTE Confidence: 0.90678278

00:06:31.550 --> 00:06:33.392 And I've participated in cancer screenings

NOTE Confidence: 0.90678278

00:06:33.392 --> 00:06:35.410 that we offer to the Community,

NOTE Confidence: 0.90678278

00:06:35.410 --> 00:06:37.910 and I think that's great.

NOTE Confidence: 0.90678278

00:06:37.910 --> 00:06:40.566 But the reality is that a lot of

NOTE Confidence: 0.90678278

00:06:40.566 --> 00:06:42.543 these cancers do present relatively

NOTE Confidence: 0.90678278

00:06:42.543 --> 00:06:45.015 early because of the effect that

NOTE Confidence: 0.90678278

00:06:45.015 --> 00:06:47.088 it causes on the patient.

NOTE Confidence: 0.90678278

00:06:47.090 --> 00:06:49.088 Like you said, the the head and neck is

NOTE Confidence: 0.90678278

00:06:49.088 --> 00:06:51.425 a region that just has so much going on,

NOTE Confidence: 0.90678278

00:06:51.430 --> 00:06:53.650 so sometimes patients will notice,

NOTE Confidence: 0.90678278

00:06:53.650 --> 00:06:55.484 you know, a change in their voice,  
NOTE Confidence: 0.90678278

00:06:55.490 --> 00:06:58.740 or even a lump in the neck or some other  
NOTE Confidence: 0.90678278

00:06:58.827 --> 00:07:01.917 change in their day-to-day that might.  
NOTE Confidence: 0.90678278

00:07:01.920 --> 00:07:03.948 Prompt a closer look at that.  
NOTE Confidence: 0.776534796

00:07:04.720 --> 00:07:07.660 Yeah, so important, you know,  
NOTE Confidence: 0.776534796

00:07:07.660 --> 00:07:08.900 and I think the other.  
NOTE Confidence: 0.776534796

00:07:08.900 --> 00:07:14.610 The other issue is this is another.  
NOTE Confidence: 0.776534796

00:07:14.610 --> 00:07:17.076 Prompt for people to make their  
NOTE Confidence: 0.776534796

00:07:17.076 --> 00:07:19.260 annual appointment to see their  
NOTE Confidence: 0.776534796

00:07:19.260 --> 00:07:21.108 dentist because oftentimes a  
NOTE Confidence: 0.776534796

00:07:21.108 --> 00:07:23.418 dentist looking in your mouth  
NOTE Confidence: 0.776534796

00:07:23.491 --> 00:07:25.825 can often find things that may  
NOTE Confidence: 0.776534796

00:07:25.825 --> 00:07:27.646 make them curious about whether  
NOTE Confidence: 0.776534796

00:07:27.646 --> 00:07:28.926 something could be a cancer.  
NOTE Confidence: 0.776534796

00:07:28.930 --> 00:07:29.458 Is that right?  
NOTE Confidence: 0.855666648888889

00:07:30.010 --> 00:07:31.398 Yes, that's very important.

NOTE Confidence: 0.855666648888889  
00:07:31.398 --> 00:07:34.164 A lot of patients who come to us  
NOTE Confidence: 0.855666648888889  
00:07:34.164 --> 00:07:36.000 with lesions in the oral cavity,  
NOTE Confidence: 0.855666648888889  
00:07:36.000 --> 00:07:38.130 in particular their first found by  
NOTE Confidence: 0.855666648888889  
00:07:38.130 --> 00:07:40.230 their dentist during routine screenings.  
NOTE Confidence: 0.855666648888889  
00:07:40.230 --> 00:07:42.465 So it sometimes patients don't  
NOTE Confidence: 0.855666648888889  
00:07:42.465 --> 00:07:44.700 always prioritize seeing the dentist.  
NOTE Confidence: 0.855666648888889  
00:07:44.700 --> 00:07:47.017 And I think it's very important because  
NOTE Confidence: 0.855666648888889  
00:07:47.017 --> 00:07:49.290 that's how things can get caught early.  
NOTE Confidence: 0.855666648888889  
00:07:49.290 --> 00:07:52.520 Yeah, so do you  
NOTE Confidence: 0.907806018181818  
00:07:52.530 --> 00:07:55.182 think that the majority of head  
NOTE Confidence: 0.907806018181818  
00:07:55.182 --> 00:07:57.827 neck cancers present at a later  
NOTE Confidence: 0.907806018181818  
00:07:57.827 --> 00:08:00.191 stage or or are we actually  
NOTE Confidence: 0.907806018181818  
00:08:00.191 --> 00:08:02.350 picking these up earlier? I think  
NOTE Confidence: 0.89601206875  
00:08:02.360 --> 00:08:04.660 the the majority actually do  
NOTE Confidence: 0.89601206875  
00:08:04.660 --> 00:08:06.960 present at an earlier stage  
NOTE Confidence: 0.89601206875

00:08:07.052 --> 00:08:09.848 because of the impact on function.  
NOTE Confidence: 0.89601206875

00:08:09.850 --> 00:08:12.978 And the that kind of prompts the patient  
NOTE Confidence: 0.89601206875

00:08:12.978 --> 00:08:16.710 to to seek further attention. You know,  
NOTE Confidence: 0.89601206875

00:08:16.710 --> 00:08:18.510 different cancers behave differently,  
NOTE Confidence: 0.89601206875

00:08:18.510 --> 00:08:20.250 though some some behave more  
NOTE Confidence: 0.89601206875

00:08:20.250 --> 00:08:21.294 aggressively than others.  
NOTE Confidence: 0.89601206875

00:08:21.300 --> 00:08:23.624 Once they are found. So we do.  
NOTE Confidence: 0.89601206875

00:08:23.630 --> 00:08:25.485 When we do see patients with cancer,  
NOTE Confidence: 0.89601206875

00:08:25.490 --> 00:08:28.088 we do a full work up,  
NOTE Confidence: 0.89601206875

00:08:28.090 --> 00:08:30.526 including imaging of the head and neck,  
NOTE Confidence: 0.89601206875

00:08:30.530 --> 00:08:31.958 with careful attention to the lymph  
NOTE Confidence: 0.89601206875

00:08:31.958 --> 00:08:33.808 nodes in the neck and even the chest.  
NOTE Confidence: 0.89601206875

00:08:33.810 --> 00:08:36.148 Also to make sure that we know  
NOTE Confidence: 0.89601206875

00:08:36.148 --> 00:08:38.140 the extent of the disease.  
NOTE Confidence: 0.928027031428571

00:08:38.330 --> 00:08:40.437 So tell us a little bit more.  
NOTE Confidence: 0.928027031428571

00:08:40.440 --> 00:08:43.429 About the role of surgery in the

NOTE Confidence: 0.928027031428571

00:08:43.429 --> 00:08:46.164 management of these patients is surgery

NOTE Confidence: 0.928027031428571

00:08:46.164 --> 00:08:48.630 one of the mainstays of therapy? Yes,

NOTE Confidence: 0.898748896206897

00:08:48.640 --> 00:08:50.796 I would say it is the interesting

NOTE Confidence: 0.898748896206897

00:08:50.796 --> 00:08:52.788 thing about the head and neck is

NOTE Confidence: 0.898748896206897

00:08:52.788 --> 00:08:54.934 that in itself is not a very you

NOTE Confidence: 0.898748896206897

00:08:54.934 --> 00:08:56.936 know a smaller area of the body,

NOTE Confidence: 0.898748896206897

00:08:56.940 --> 00:08:59.845 but it's divided into many sites within

NOTE Confidence: 0.898748896206897

00:08:59.845 --> 00:09:03.462 the head and neck and our treatment often

NOTE Confidence: 0.898748896206897

00:09:03.462 --> 00:09:07.186 depends on where this cancer is presenting.

NOTE Confidence: 0.898748896206897

00:09:07.190 --> 00:09:11.238 So for example, cancers in the oral cavity.

NOTE Confidence: 0.898748896206897

00:09:11.240 --> 00:09:14.280 Involving the gums. The lift,

NOTE Confidence: 0.898748896206897

00:09:14.280 --> 00:09:17.176 the inner lining of the cheek, the tongue.

NOTE Confidence: 0.898748896206897

00:09:17.176 --> 00:09:19.168 Those are predominantly treated

NOTE Confidence: 0.898748896206897

00:09:19.168 --> 00:09:22.200 surgically up front and then thought,

NOTE Confidence: 0.898748896206897

00:09:22.200 --> 00:09:23.810 you know, we could consider

NOTE Confidence: 0.898748896206897

00:09:23.810 --> 00:09:25.832 following it with either radiation or  
NOTE Confidence: 0.898748896206897

00:09:25.832 --> 00:09:27.607 chemotherapy depending on the results,  
NOTE Confidence: 0.898748896206897

00:09:27.610 --> 00:09:29.808 but there's other other sites of the  
NOTE Confidence: 0.898748896206897

00:09:29.808 --> 00:09:32.517 head and neck that are not necessarily  
NOTE Confidence: 0.898748896206897

00:09:32.517 --> 00:09:34.213 treated upfront with surgery.  
NOTE Confidence: 0.898748896206897

00:09:34.220 --> 00:09:37.172 Some of the early cancers of the voice box,  
NOTE Confidence: 0.898748896206897

00:09:37.180 --> 00:09:38.362 for example,  
NOTE Confidence: 0.898748896206897

00:09:38.362 --> 00:09:41.908 there's a notion of organ preservation.  
NOTE Confidence: 0.898748896206897

00:09:41.910 --> 00:09:42.704 For example,  
NOTE Confidence: 0.898748896206897

00:09:42.704 --> 00:09:45.086 where we could treat those potentially  
NOTE Confidence: 0.898748896206897

00:09:45.086 --> 00:09:46.631 with chemotherapy and radiation  
NOTE Confidence: 0.898748896206897

00:09:46.631 --> 00:09:48.356 combined and try to preserve  
NOTE Confidence: 0.898748896206897

00:09:48.356 --> 00:09:50.030 structures of the voice box.  
NOTE Confidence: 0.877091448

00:09:51.340 --> 00:09:52.885 But one would think even  
NOTE Confidence: 0.877091448

00:09:52.885 --> 00:09:54.430 for things like the tongue,  
NOTE Confidence: 0.877091448

00:09:54.430 --> 00:09:58.194 the lips that that really preservation



NOTE Confidence: 0.877091448

00:09:58.194 --> 00:10:00.624 of function is really important.

NOTE Confidence: 0.877091448

00:10:00.630 --> 00:10:01.896 I mean, because when we think

NOTE Confidence: 0.877091448

00:10:01.896 --> 00:10:03.010 about the head and neck,

NOTE Confidence: 0.877091448

00:10:03.010 --> 00:10:05.122 there's so many structures that are

NOTE Confidence: 0.877091448

00:10:05.122 --> 00:10:07.494 so vital for everything that we do

NOTE Confidence: 0.877091448

00:10:07.494 --> 00:10:09.666 from speaking to eating, to smiling.

NOTE Confidence: 0.877091448

00:10:09.666 --> 00:10:13.570 So how do you do that as part

NOTE Confidence: 0.877091448

00:10:13.694 --> 00:10:17.030 of a multidisciplinary team,

NOTE Confidence: 0.877091448

00:10:17.030 --> 00:10:20.117 even when surgery is going to be one of

NOTE Confidence: 0.877091448

00:10:20.117 --> 00:10:23.340 the modalities that's going to be used.

NOTE Confidence: 0.933240522

00:10:24.440 --> 00:10:25.920 Yes, so first of all,

NOTE Confidence: 0.933240522

00:10:25.920 --> 00:10:28.817 when we do see a patient with cancer of

NOTE Confidence: 0.933240522

00:10:28.817 --> 00:10:30.679 the head and neck no matter where it is,

NOTE Confidence: 0.933240522

00:10:30.680 --> 00:10:33.552 we do always make sure that we have

NOTE Confidence: 0.933240522

00:10:33.552 --> 00:10:35.060 a multidisciplinary evaluation.

NOTE Confidence: 0.933240522

00:10:35.060 --> 00:10:37.153 So our colleagues that we work very  
NOTE Confidence: 0.933240522

00:10:37.153 --> 00:10:38.980 closely with the radiation oncologists  
NOTE Confidence: 0.933240522

00:10:38.980 --> 00:10:41.140 and the medical oncologists will  
NOTE Confidence: 0.933240522

00:10:41.140 --> 00:10:42.959 evaluate the patient as well.  
NOTE Confidence: 0.933240522

00:10:42.960 --> 00:10:44.580 And we have a, you know,  
NOTE Confidence: 0.933240522

00:10:44.580 --> 00:10:47.779 huge team of speech and swallow therapists,  
NOTE Confidence: 0.933240522

00:10:47.780 --> 00:10:48.277 nutritionists,  
NOTE Confidence: 0.933240522

00:10:48.277 --> 00:10:51.259 social workers who also get involved.  
NOTE Confidence: 0.933240522

00:10:51.260 --> 00:10:52.736 And so the patient often is  
NOTE Confidence: 0.933240522

00:10:52.736 --> 00:10:54.640 flooded with a lot of appointments.  
NOTE Confidence: 0.933240522

00:10:54.640 --> 00:10:56.408 Up front and we do, you know,  
NOTE Confidence: 0.933240522

00:10:56.408 --> 00:10:57.628 inform the patient that that's  
NOTE Confidence: 0.933240522

00:10:57.628 --> 00:10:58.710 what they should expect,  
NOTE Confidence: 0.933240522

00:10:58.710 --> 00:11:01.488 and then after that we reconvene.  
NOTE Confidence: 0.933240522

00:11:01.490 --> 00:11:04.060 We discuss at our multidisciplinary  
NOTE Confidence: 0.933240522

00:11:04.060 --> 00:11:06.630 tumor board about what the

NOTE Confidence: 0.933240522

00:11:06.718 --> 00:11:08.710 best treatment would be,

NOTE Confidence: 0.933240522

00:11:08.710 --> 00:11:10.684 and so even before we go to

NOTE Confidence: 0.933240522

00:11:10.684 --> 00:11:12.722 surgery we we talk about all

NOTE Confidence: 0.933240522

00:11:12.722 --> 00:11:14.954 these other options and all these

NOTE Confidence: 0.933240522

00:11:14.954 --> 00:11:16.820 other considerations and the

NOTE Confidence: 0.933240522

00:11:16.820 --> 00:11:19.190 impact on function in particular

NOTE Confidence: 0.9079100225

00:11:20.390 --> 00:11:22.622 and has surgical techniques

NOTE Confidence: 0.9079100225

00:11:22.622 --> 00:11:24.854 evolved to a point.

NOTE Confidence: 0.9079100225

00:11:24.860 --> 00:11:27.980 Where either you're using more

NOTE Confidence: 0.9079100225

00:11:27.980 --> 00:11:30.476 minimally invasive techniques where

NOTE Confidence: 0.9079100225

00:11:30.476 --> 00:11:34.130 you can preserve a lot of the organ

NOTE Confidence: 0.9079100225

00:11:34.130 --> 00:11:36.885 function and or have the ability

NOTE Confidence: 0.9079100225

00:11:36.885 --> 00:11:39.554 to to reconstruct so that people

NOTE Confidence: 0.9079100225

00:11:39.554 --> 00:11:41.498 don't lose a lot of function.

NOTE Confidence: 0.818359744

00:11:42.170 --> 00:11:44.230 Yes, I think you know.

NOTE Confidence: 0.818359744

00:11:44.230 --> 00:11:46.701 In the past several decades there's been

NOTE Confidence: 0.818359744

00:11:46.701 --> 00:11:49.710 a lot of advances on in both areas,

NOTE Confidence: 0.818359744

00:11:49.710 --> 00:11:52.374 reconstruction and minimally

NOTE Confidence: 0.818359744

00:11:52.374 --> 00:11:55.146 invasive surgery in the.

NOTE Confidence: 0.818359744

00:11:55.146 --> 00:11:57.138 1970s, that pectoralis flap,

NOTE Confidence: 0.818359744

00:11:57.140 --> 00:11:59.674 which is the muscle from the chest

NOTE Confidence: 0.818359744

00:11:59.674 --> 00:12:01.900 that was invented at Yale and that

NOTE Confidence: 0.818359744

00:12:01.900 --> 00:12:04.183 has been one of the the mainstays

NOTE Confidence: 0.818359744

00:12:04.183 --> 00:12:06.678 of head and neck reconstruction.

NOTE Confidence: 0.818359744

00:12:06.680 --> 00:12:08.780 But in addition to that,

NOTE Confidence: 0.818359744

00:12:08.780 --> 00:12:11.045 a lot of reconstruction to

NOTE Confidence: 0.818359744

00:12:11.045 --> 00:12:12.857 preserve function is performed

NOTE Confidence: 0.818359744

00:12:12.857 --> 00:12:15.579 by using a free tissue transfer,

NOTE Confidence: 0.818359744

00:12:15.580 --> 00:12:17.870 which is essentially tissue that

NOTE Confidence: 0.818359744

00:12:17.870 --> 00:12:20.567 is transplanted from one part of

NOTE Confidence: 0.818359744

00:12:20.567 --> 00:12:22.842 the body and brought to the head

NOTE Confidence: 0.818359744

00:12:22.842 --> 00:12:25.198 and neck region to reconstruct.

NOTE Confidence: 0.818359744

00:12:25.200 --> 00:12:27.132 That defect that is left behind

NOTE Confidence: 0.818359744

00:12:27.132 --> 00:12:29.040 and to help restore function

NOTE Confidence: 0.818359744

00:12:29.040 --> 00:12:30.699 along with rehabilitation.

NOTE Confidence: 0.897539892307692

00:12:32.210 --> 00:12:34.451 And and tell us a little bit more about

NOTE Confidence: 0.897539892307692

00:12:34.451 --> 00:12:36.510 the minimally invasive techniques.

NOTE Confidence: 0.897539892307692

00:12:36.510 --> 00:12:38.638 I mean because when people are thinking

NOTE Confidence: 0.897539892307692

00:12:38.638 --> 00:12:40.568 about surgery for the head and neck,

NOTE Confidence: 0.897539892307692

00:12:40.570 --> 00:12:42.802 oftentimes you know the pictures that

NOTE Confidence: 0.897539892307692

00:12:42.802 --> 00:12:45.385 go through people's head may be things

NOTE Confidence: 0.897539892307692

00:12:45.385 --> 00:12:47.110 that seem really quite gruesome,

NOTE Confidence: 0.897539892307692

00:12:47.110 --> 00:12:50.014 where large segments of of the

NOTE Confidence: 0.897539892307692

00:12:50.014 --> 00:12:53.504 face of the mouth of the tongue

NOTE Confidence: 0.897539892307692

00:12:53.504 --> 00:12:56.396 of the jaw have been removed.

NOTE Confidence: 0.897539892307692

00:12:56.400 --> 00:12:57.852 And potentially reconstructed,

NOTE Confidence: 0.897539892307692

00:12:57.852 --> 00:13:00.272 but are there minimally invasive  
NOTE Confidence: 0.897539892307692

00:13:00.272 --> 00:13:02.259 techniques that can address certain  
NOTE Confidence: 0.897539892307692

00:13:02.259 --> 00:13:04.485 kinds of cancers and and talk to  
NOTE Confidence: 0.897539892307692

00:13:04.554 --> 00:13:07.246 us a little bit more about that?  
NOTE Confidence: 0.897539892307692

00:13:07.246 --> 00:13:09.210 Yes, there's two major  
NOTE Confidence: 0.904385902

00:13:09.220 --> 00:13:11.540 minimally invasive techniques that exist.  
NOTE Confidence: 0.904385902

00:13:11.540 --> 00:13:14.780 One is using the laser with a microscope,  
NOTE Confidence: 0.904385902

00:13:14.780 --> 00:13:16.496 and that has been around longer.  
NOTE Confidence: 0.904385902

00:13:16.500 --> 00:13:18.690 That's particularly useful in the voice  
NOTE Confidence: 0.904385902

00:13:18.690 --> 00:13:21.778 box and in the back of the throat too,  
NOTE Confidence: 0.904385902

00:13:21.780 --> 00:13:24.190 but robotic surgery has been  
NOTE Confidence: 0.904385902

00:13:24.190 --> 00:13:26.364 a big development since the.  
NOTE Confidence: 0.904385902

00:13:26.364 --> 00:13:28.898 Early 2000s it's been used and that  
NOTE Confidence: 0.904385902

00:13:28.898 --> 00:13:31.308 really helps us access areas that  
NOTE Confidence: 0.904385902

00:13:31.308 --> 00:13:33.288 are otherwise difficult to see,  
NOTE Confidence: 0.904385902

00:13:33.290 --> 00:13:34.890 including the base of the

NOTE Confidence: 0.904385902

00:13:34.890 --> 00:13:36.170 tongue and the tonsils,

NOTE Confidence: 0.904385902

00:13:36.170 --> 00:13:38.270 and that's used commonly in in

NOTE Confidence: 0.904385902

00:13:38.270 --> 00:13:40.080 the cancers that develop in

NOTE Confidence: 0.904385902

00:13:40.080 --> 00:13:41.780 these regions related to HPV.

NOTE Confidence: 0.925138498333334

00:13:42.870 --> 00:13:44.753 Great, well you know we need to

NOTE Confidence: 0.925138498333334

00:13:44.753 --> 00:13:46.873 take a short break for a medical

NOTE Confidence: 0.925138498333334

00:13:46.873 --> 00:13:48.745 minute but please stay tuned to

NOTE Confidence: 0.925138498333334

00:13:48.808 --> 00:13:50.368 learn more about the surgical

NOTE Confidence: 0.925138498333334

00:13:50.368 --> 00:13:52.408 care of head and neck patients

NOTE Confidence: 0.925138498333334

00:13:52.408 --> 00:13:55.276 with my guest doctor Ivanti Verma

NOTE Confidence: 0.726070698571428

00:13:55.850 --> 00:13:57.765 funding for Yale Cancer Answers

NOTE Confidence: 0.726070698571428

00:13:57.765 --> 00:13:59.680 comes from Smilow Cancer Hospital

NOTE Confidence: 0.726070698571428

00:13:59.740 --> 00:14:01.388 presenting the Susan Barras,

NOTE Confidence: 0.726070698571428

00:14:01.390 --> 00:14:04.648 MD brain tumor webinar May 18th.

NOTE Confidence: 0.726070698571428

00:14:04.650 --> 00:14:07.642 Register at [yalecancercenter.org](http://yalecancercenter.org) or

NOTE Confidence: 0.726070698571428

00:14:07.642 --> 00:14:10.230 email cancer answers at yale.edu.  
NOTE Confidence: 0.92002366

00:14:12.270 --> 00:14:15.294 Over 230,000 Americans will be diagnosed with  
NOTE Confidence: 0.92002366

00:14:15.294 --> 00:14:18.147 lung cancer this year and in Connecticut  
NOTE Confidence: 0.92002366

00:14:18.147 --> 00:14:21.582 alone there will be over 2700 new cases.  
NOTE Confidence: 0.92002366

00:14:21.582 --> 00:14:24.838 More than 85% of lung cancer diagnosis are  
NOTE Confidence: 0.92002366

00:14:24.838 --> 00:14:27.667 related to smoking and quitting even after  
NOTE Confidence: 0.92002366

00:14:27.667 --> 00:14:30.663 decades of use can significantly reduce your  
NOTE Confidence: 0.92002366

00:14:30.739 --> 00:14:33.440 risk of developing lung cancer each day.  
NOTE Confidence: 0.92002366

00:14:33.440 --> 00:14:35.510 Patients with lung cancer are surviving  
NOTE Confidence: 0.92002366

00:14:35.510 --> 00:14:38.012 thanks to increased access to advanced  
NOTE Confidence: 0.92002366

00:14:38.012 --> 00:14:39.764 therapies and specialized care.  
NOTE Confidence: 0.92002366

00:14:39.770 --> 00:14:40.862 New treatment options.  
NOTE Confidence: 0.92002366

00:14:40.862 --> 00:14:42.682 And surgical techniques are giving  
NOTE Confidence: 0.92002366

00:14:42.682 --> 00:14:44.364 lung cancer survivors more hope  
NOTE Confidence: 0.92002366

00:14:44.364 --> 00:14:46.158 than they have ever had before.  
NOTE Confidence: 0.92002366

00:14:46.160 --> 00:14:48.088 Clinical trials are currently



NOTE Confidence: 0.92002366

00:14:48.088 --> 00:14:50.016 underway at federally designated

NOTE Confidence: 0.92002366

00:14:50.016 --> 00:14:51.510 Comprehensive cancer centers,

NOTE Confidence: 0.92002366

00:14:51.510 --> 00:14:54.038 such as the battle two trial at Yale

NOTE Confidence: 0.92002366

00:14:54.038 --> 00:14:55.947 Cancer Center and Smilow Cancer Hospital

NOTE Confidence: 0.92002366

00:14:55.947 --> 00:14:58.988 to learn if a drug or combination of drugs

NOTE Confidence: 0.92002366

00:14:58.988 --> 00:15:01.298 based on personal biomarkers can help

NOTE Confidence: 0.92002366

00:15:01.298 --> 00:15:04.408 to control non small cell lung cancer.

NOTE Confidence: 0.92002366

00:15:04.410 --> 00:15:07.380 More information is available at

NOTE Confidence: 0.92002366

00:15:07.380 --> 00:15:08.643 yalecancercenter.org you're listening

NOTE Confidence: 0.92002366

00:15:08.643 --> 00:15:10.327 to Connecticut Public Radio.

NOTE Confidence: 0.81134394

00:15:11.280 --> 00:15:13.356 Welcome back to Yale Cancer answers.

NOTE Confidence: 0.81134394

00:15:13.360 --> 00:15:16.104 This is doctor anise Chappar and I'm joined

NOTE Confidence: 0.81134394

00:15:16.104 --> 00:15:18.696 tonight by my guest Doctor Avanti Verma.

NOTE Confidence: 0.81134394

00:15:18.700 --> 00:15:20.848 We're learning more about the surgical

NOTE Confidence: 0.81134394

00:15:20.848 --> 00:15:22.964 management of head and neck cancer

NOTE Confidence: 0.81134394

00:15:22.964 --> 00:15:25.141 patients in honor of head and neck  
NOTE Confidence: 0.81134394

00:15:25.141 --> 00:15:27.098 Cancer Awareness Month now Avanti,  
NOTE Confidence: 0.81134394

00:15:27.100 --> 00:15:29.506 right before the break you started  
NOTE Confidence: 0.81134394

00:15:29.506 --> 00:15:31.727 talking about robotic surgery and you  
NOTE Confidence: 0.81134394

00:15:31.727 --> 00:15:33.927 know here on this show we've heard a  
NOTE Confidence: 0.81134394

00:15:33.999 --> 00:15:36.281 lot about robotic surgery and the fact  
NOTE Confidence: 0.81134394

00:15:36.281 --> 00:15:38.880 that it helps surgeons to kind of get  
NOTE Confidence: 0.81134394

00:15:38.880 --> 00:15:41.289 a little bit more dexterity and get  
NOTE Confidence: 0.81134394

00:15:41.289 --> 00:15:43.437 into areas where they normally can't.  
NOTE Confidence: 0.81134394

00:15:43.440 --> 00:15:46.000 Get talk to us a little bit more  
NOTE Confidence: 0.81134394

00:15:46.000 --> 00:15:48.583 about how that really is playing a  
NOTE Confidence: 0.81134394

00:15:48.583 --> 00:15:51.342 role and and whether you think that  
NOTE Confidence: 0.81134394

00:15:51.342 --> 00:15:54.184 that's going to become more and more.  
NOTE Confidence: 0.81134394

00:15:54.190 --> 00:15:56.248 You know with technique of choice.  
NOTE Confidence: 0.842677282285714

00:15:57.450 --> 00:16:00.453 Yes, I I think robotic surgery has  
NOTE Confidence: 0.842677282285714

00:16:00.453 --> 00:16:03.414 been and continues to become more and

NOTE Confidence: 0.842677282285714

00:16:03.414 --> 00:16:06.871 more a technique of choice and even the

NOTE Confidence: 0.842677282285714

00:16:06.871 --> 00:16:09.847 technology is improving with new models.

NOTE Confidence: 0.842677282285714

00:16:09.850 --> 00:16:11.250 The the head and neck and and

NOTE Confidence: 0.842677282285714

00:16:11.250 --> 00:16:12.410 the mouth and the throat.

NOTE Confidence: 0.842677282285714

00:16:12.410 --> 00:16:15.212 It's a narrow area and traditionally

NOTE Confidence: 0.842677282285714

00:16:15.212 --> 00:16:18.514 to access the back of the throat

NOTE Confidence: 0.842677282285714

00:16:18.514 --> 00:16:21.102 involved a big approach through the

NOTE Confidence: 0.842677282285714

00:16:21.102 --> 00:16:24.270 the jawbone to be able to see back

NOTE Confidence: 0.842677282285714

00:16:24.362 --> 00:16:27.120 there and and so with the robot.

NOTE Confidence: 0.842677282285714

00:16:27.120 --> 00:16:29.066 There's flexible arms that can go into

NOTE Confidence: 0.842677282285714

00:16:29.066 --> 00:16:31.557 the mouth and into the throat with a camera,

NOTE Confidence: 0.842677282285714

00:16:31.560 --> 00:16:34.598 and you can really see things you

NOTE Confidence: 0.842677282285714

00:16:34.598 --> 00:16:37.891 know up close and in a better

NOTE Confidence: 0.842677282285714

00:16:37.891 --> 00:16:39.783 way than than previously.

NOTE Confidence: 0.842677282285714

00:16:39.790 --> 00:16:42.590 And so the this helps us with as

NOTE Confidence: 0.842677282285714

00:16:42.590 --> 00:16:44.886 surgeons do what we need to do,  
NOTE Confidence: 0.842677282285714

00:16:44.890 --> 00:16:47.658 which in general is to remove the tumor  
NOTE Confidence: 0.842677282285714

00:16:47.658 --> 00:16:50.572 and get negative margins without causing  
NOTE Confidence: 0.842677282285714

00:16:50.572 --> 00:16:52.977 damage to surrounding structures or  
NOTE Confidence: 0.842677282285714

00:16:52.977 --> 00:16:56.428 nerves or blood vessels that are important.  
NOTE Confidence: 0.842677282285714

00:16:56.430 --> 00:16:59.377 And so I think that's really revolutionized.  
NOTE Confidence: 0.842677282285714

00:16:59.380 --> 00:17:01.767 Our ability to take care of patients  
NOTE Confidence: 0.842677282285714

00:17:01.767 --> 00:17:03.829 who have cancers in these areas.  
NOTE Confidence: 0.842677282285714

00:17:03.830 --> 00:17:06.866 It's been particularly used for patients  
NOTE Confidence: 0.842677282285714

00:17:06.866 --> 00:17:10.799 with the HPV related cancers of the throat,  
NOTE Confidence: 0.842677282285714

00:17:10.800 --> 00:17:13.838 and there's been trials and data that  
NOTE Confidence: 0.842677282285714

00:17:13.838 --> 00:17:17.142 have shown that it's it's a great way  
NOTE Confidence: 0.842677282285714

00:17:17.142 --> 00:17:20.244 to to treat patients that should be  
NOTE Confidence: 0.842677282285714

00:17:20.244 --> 00:17:22.630 considered that successful surgery can  
NOTE Confidence: 0.842677282285714

00:17:22.630 --> 00:17:25.390 sometimes even result in patients not  
NOTE Confidence: 0.842677282285714

00:17:25.461 --> 00:17:27.901 needing additional therapy in earlier

NOTE Confidence: 0.842677282285714

00:17:27.901 --> 00:17:30.910 stages and even in intermediate stages.

NOTE Confidence: 0.842677282285714

00:17:30.910 --> 00:17:32.770 Maybe reduced dose of

NOTE Confidence: 0.842677282285714

00:17:32.770 --> 00:17:34.165 radiation after surgery?

NOTE Confidence: 0.77284077

00:17:35.000 --> 00:17:35.740 That's interesting.

NOTE Confidence: 0.77284077

00:17:35.740 --> 00:17:37.590 I mean that you mentioned

NOTE Confidence: 0.77284077

00:17:37.590 --> 00:17:39.880 that it's particularly useful

NOTE Confidence: 0.77284077

00:17:39.880 --> 00:17:42.440 for HPV related cancers.

NOTE Confidence: 0.77284077

00:17:42.440 --> 00:17:43.452 Why would that be?

NOTE Confidence: 0.77284077

00:17:43.452 --> 00:17:47.045 I mean, I can understand why robotic

NOTE Confidence: 0.77284077

00:17:47.045 --> 00:17:50.130 surgery may be particularly useful

NOTE Confidence: 0.77284077

00:17:50.229 --> 00:17:53.287 in a very narrow kind of relatively

NOTE Confidence: 0.77284077

00:17:53.287 --> 00:17:55.408 inaccessible anatomic site,

NOTE Confidence: 0.77284077

00:17:55.408 --> 00:17:58.943 but why would the etiologic

NOTE Confidence: 0.77284077

00:17:58.943 --> 00:18:01.199 factor HPV versus not?

NOTE Confidence: 0.77284077

00:18:01.200 --> 00:18:04.040 HPV make a difference to

NOTE Confidence: 0.77284077

00:18:04.040 --> 00:18:06.380 the surgical approach. Yes.  
NOTE Confidence: 0.823992295

00:18:06.790 --> 00:18:10.837 I think a lot. A lot of this has to do  
NOTE Confidence: 0.823992295

00:18:10.837 --> 00:18:14.407 with how the HPV virus related cancers  
NOTE Confidence: 0.823992295

00:18:14.407 --> 00:18:16.894 behave and so most commonly patients  
NOTE Confidence: 0.823992295

00:18:16.894 --> 00:18:19.610 who develop this type of cancer actually  
NOTE Confidence: 0.823992295

00:18:19.680 --> 00:18:21.822 present not with throat symptoms but  
NOTE Confidence: 0.823992295

00:18:21.822 --> 00:18:23.999 amass a painless mass of the neck  
NOTE Confidence: 0.853332737333333

00:18:24.430 --> 00:18:27.706 when you talk about HPV related cancers  
NOTE Confidence: 0.853332737333333

00:18:27.706 --> 00:18:31.447 versus not HPV related cancers it it now.  
NOTE Confidence: 0.853332737333333

00:18:31.450 --> 00:18:33.798 Seems to suggest that  
NOTE Confidence: 0.853332737333333

00:18:33.798 --> 00:18:35.559 these behave differently.  
NOTE Confidence: 0.853332737333333

00:18:35.560 --> 00:18:38.728 Do we know anything about their  
NOTE Confidence: 0.853332737333333

00:18:38.728 --> 00:18:42.439 prognosis in terms of how well people  
NOTE Confidence: 0.853332737333333

00:18:42.439 --> 00:18:45.660 fare and whether you know even  
NOTE Confidence: 0.853332737333333

00:18:45.660 --> 00:18:47.595 whether they are more susceptible  
NOTE Confidence: 0.853332737333333

00:18:47.595 --> 00:18:50.119 to other modes of therapy as well?

NOTE Confidence: 0.87076627

00:18:51.160 --> 00:18:54.984 Yes, we we do know that the HPV

NOTE Confidence: 0.87076627

00:18:54.984 --> 00:18:58.083 related cancers of the throat do

NOTE Confidence: 0.87076627

00:18:58.083 --> 00:19:00.526 have a better prognosis compared

NOTE Confidence: 0.87076627

00:19:00.526 --> 00:19:03.368 to the ones that are related to.

NOTE Confidence: 0.87076627

00:19:03.370 --> 00:19:05.690 Tobacco use or alcohol use,

NOTE Confidence: 0.87076627

00:19:05.690 --> 00:19:08.492 and that's been shown and even

NOTE Confidence: 0.87076627

00:19:08.492 --> 00:19:12.050 when we you know do have studies.

NOTE Confidence: 0.87076627

00:19:12.050 --> 00:19:14.852 Looking at robotic surgery and different

NOTE Confidence: 0.87076627

00:19:14.852 --> 00:19:16.720 levels of radiation afterwards,

NOTE Confidence: 0.87076627

00:19:16.720 --> 00:19:18.928 plus or minus chemotherapy,

NOTE Confidence: 0.87076627

00:19:18.928 --> 00:19:22.186 even the survivals that we see are,

NOTE Confidence: 0.87076627

00:19:22.186 --> 00:19:24.516 you know 90% or higher.

NOTE Confidence: 0.87076627

00:19:24.520 --> 00:19:26.417 So we do know that we can

NOTE Confidence: 0.87076627

00:19:26.417 --> 00:19:28.320 treat and cure these patients.

NOTE Confidence: 0.87076627

00:19:28.320 --> 00:19:29.770 Vast majority of the time.

NOTE Confidence: 0.858587791428572

00:19:31.270 --> 00:19:33.286 And do we know why that is?  
NOTE Confidence: 0.858587791428572

00:19:33.290 --> 00:19:37.070 I mean from a molecular mechanism standpoint.  
NOTE Confidence: 0.858587791428572

00:19:37.070 --> 00:19:39.930 I know on this show we talk a lot about,  
NOTE Confidence: 0.858587791428572

00:19:39.930 --> 00:19:42.834 you know, kind of targeted therapies  
NOTE Confidence: 0.858587791428572

00:19:42.834 --> 00:19:45.436 and looking for particular mutations.  
NOTE Confidence: 0.858587791428572

00:19:45.436 --> 00:19:49.447 Do we think that HPV related cancers  
NOTE Confidence: 0.858587791428572

00:19:49.447 --> 00:19:52.423 have a different genetic profile  
NOTE Confidence: 0.858587791428572

00:19:52.423 --> 00:19:55.303 than non HPV related cancers?  
NOTE Confidence: 0.929344907857143

00:19:57.490 --> 00:19:59.788 Yes, I think there's still quite  
NOTE Confidence: 0.929344907857143

00:19:59.788 --> 00:20:02.469 a bit of research to do on this,  
NOTE Confidence: 0.929344907857143

00:20:02.470 --> 00:20:06.686 but you know, they they do have different  
NOTE Confidence: 0.929344907857143

00:20:06.686 --> 00:20:09.383 mechanisms of of genetic mechanisms of  
NOTE Confidence: 0.929344907857143

00:20:09.383 --> 00:20:12.089 of changing cells and and resulting  
NOTE Confidence: 0.929344907857143

00:20:12.089 --> 00:20:14.730 in in uncontrolled cell growth.  
NOTE Confidence: 0.929344907857143

00:20:14.730 --> 00:20:18.034 And I think you know one thing  
NOTE Confidence: 0.929344907857143

00:20:18.034 --> 00:20:20.778 is and and it's a challenge with



NOTE Confidence: 0.929344907857143

00:20:20.778 --> 00:20:23.106 patients who do use tobacco and

NOTE Confidence: 0.929344907857143

00:20:23.106 --> 00:20:25.554 alcohol is that sometimes it's it's

NOTE Confidence: 0.929344907857143

00:20:25.554 --> 00:20:27.728 difficult to even have patients.

NOTE Confidence: 0.929344907857143

00:20:27.730 --> 00:20:29.550 Cut down or stopped during treatment and

NOTE Confidence: 0.929344907857143

00:20:29.550 --> 00:20:31.117 that's something we have to you know.

NOTE Confidence: 0.929344907857143

00:20:31.120 --> 00:20:32.540 Do extensive counseling on so.

NOTE Confidence: 0.929344907857143

00:20:32.540 --> 00:20:35.204 I think even those repeated you

NOTE Confidence: 0.929344907857143

00:20:35.204 --> 00:20:38.172 know insults to the the lining of

NOTE Confidence: 0.929344907857143

00:20:38.172 --> 00:20:41.260 the of the of the throat can also.

NOTE Confidence: 0.929344907857143

00:20:41.260 --> 00:20:42.605 Make those patients higher risk

NOTE Confidence: 0.929344907857143

00:20:42.605 --> 00:20:44.640 so some of it might be behavior,

NOTE Confidence: 0.929344907857143

00:20:44.640 --> 00:20:46.485 but I think a lot of it is in

NOTE Confidence: 0.929344907857143

00:20:46.485 --> 00:20:48.010 the genetic differences.

NOTE Confidence: 0.84707831625

00:20:49.790 --> 00:20:52.835 And so you know it's when you

NOTE Confidence: 0.84707831625

00:20:52.835 --> 00:20:55.702 mention alcohol and and tobacco,

NOTE Confidence: 0.84707831625

00:20:55.702 --> 00:20:58.040 and the fact that you know  
NOTE Confidence: 0.84707831625

00:20:58.040 --> 00:20:59.770 after you get a cancer,  
NOTE Confidence: 0.84707831625

00:20:59.770 --> 00:21:02.394 we know that these are two of the  
NOTE Confidence: 0.84707831625

00:21:02.394 --> 00:21:04.686 main etiologic factors outside of HPV  
NOTE Confidence: 0.84707831625

00:21:04.686 --> 00:21:07.026 for getting head and neck cancers.  
NOTE Confidence: 0.84707831625

00:21:07.030 --> 00:21:10.126 Do you counsel your patients on on stopping?  
NOTE Confidence: 0.84707831625

00:21:10.130 --> 00:21:14.029 And what proportion of people actually do?  
NOTE Confidence: 0.917219212

00:21:15.330 --> 00:21:17.260 Yep, that's a great question.  
NOTE Confidence: 0.917219212

00:21:17.260 --> 00:21:18.220 We do, you know,  
NOTE Confidence: 0.917219212

00:21:18.220 --> 00:21:20.290 the the first time I meet a patient?  
NOTE Confidence: 0.917219212

00:21:20.290 --> 00:21:23.678 If that is a risk factor, you know,  
NOTE Confidence: 0.917219212

00:21:23.678 --> 00:21:26.510 I do counsel then we have also the  
NOTE Confidence: 0.917219212

00:21:26.595 --> 00:21:29.111 smoking cessation counseling service.  
NOTE Confidence: 0.917219212

00:21:29.111 --> 00:21:30.938 You know that helps us too so  
NOTE Confidence: 0.917219212

00:21:30.938 --> 00:21:32.690 we can refer them for that.  
NOTE Confidence: 0.917219212

00:21:32.690 --> 00:21:34.675 And there are strategies like

NOTE Confidence: 0.917219212  
00:21:34.675 --> 00:21:35.866 nicotine replacement therapy  
NOTE Confidence: 0.917219212  
00:21:35.866 --> 00:21:38.048 and and counseling in general.  
NOTE Confidence: 0.917219212  
00:21:38.050 --> 00:21:41.610 But you know the success.  
NOTE Confidence: 0.917219212  
00:21:41.610 --> 00:21:42.010 We actually.  
NOTE Confidence: 0.917219212  
00:21:42.010 --> 00:21:43.690 I think quite a few patients  
NOTE Confidence: 0.917219212  
00:21:43.690 --> 00:21:45.610 are able to stop.  
NOTE Confidence: 0.917219212  
00:21:45.610 --> 00:21:48.970 But it it requires a lot of work.  
NOTE Confidence: 0.917219212  
00:21:48.970 --> 00:21:49.762 You know, really,  
NOTE Confidence: 0.917219212  
00:21:49.762 --> 00:21:51.610 exploring the reasons they'd like to stop.  
NOTE Confidence: 0.917219212  
00:21:51.610 --> 00:21:53.409 I found that you know a lot  
NOTE Confidence: 0.917219212  
00:21:53.409 --> 00:21:54.992 of success comes from family  
NOTE Confidence: 0.917219212  
00:21:54.992 --> 00:21:56.862 members and and patients stopping  
NOTE Confidence: 0.917219212  
00:21:56.862 --> 00:21:58.618 for their families who have  
NOTE Confidence: 0.917219212  
00:21:58.618 --> 00:22:00.328 been asking them to stop also.  
NOTE Confidence: 0.917219212  
00:22:00.330 --> 00:22:02.275 And and sometimes even this  
NOTE Confidence: 0.917219212

00:22:02.275 --> 00:22:04.930 diagnosis is is a wake up call.  
NOTE Confidence: 0.917219212

00:22:04.930 --> 00:22:06.690 You know that you know this is a.  
NOTE Confidence: 0.917219212

00:22:06.690 --> 00:22:08.196 This can be a harmful behavior.  
NOTE Confidence: 0.884173069090909

00:22:08.970 --> 00:22:10.986 Yeah, but I can imagine that  
NOTE Confidence: 0.884173069090909

00:22:10.986 --> 00:22:13.250 as with so many addictions,  
NOTE Confidence: 0.884173069090909

00:22:13.250 --> 00:22:19.990 it can be really hard. And so.  
NOTE Confidence: 0.884173069090909

00:22:19.990 --> 00:22:22.214 So, and especially because  
NOTE Confidence: 0.884173069090909

00:22:22.214 --> 00:22:24.438 what you're asking patients  
NOTE Confidence: 0.884173069090909

00:22:24.438 --> 00:22:26.860 is complete abstinence, right?  
NOTE Confidence: 0.884173069090909

00:22:26.860 --> 00:22:28.890 It's not like 1 drink is OK.  
NOTE Confidence: 0.920045495714286

00:22:29.860 --> 00:22:33.604 Yes, we do. We do recommend that it is  
NOTE Confidence: 0.920045495714286

00:22:33.604 --> 00:22:35.660 hard to ask someone to stop right away  
NOTE Confidence: 0.920045495714286

00:22:35.723 --> 00:22:37.769 the first time you're meeting them.  
NOTE Confidence: 0.920045495714286

00:22:37.770 --> 00:22:41.102 So I do, you know, say we can try,  
NOTE Confidence: 0.920045495714286

00:22:41.102 --> 00:22:42.506 you know, slowly over time,  
NOTE Confidence: 0.920045495714286

00:22:42.506 --> 00:22:44.410 you know when you when someone comes

NOTE Confidence: 0.920045495714286  
00:22:44.465 --> 00:22:46.127 to you with the cancer diagnosis.  
NOTE Confidence: 0.920045495714286  
00:22:46.130 --> 00:22:48.098 We don't have lots of time  
NOTE Confidence: 0.920045495714286  
00:22:48.098 --> 00:22:50.169 we we try to move on.  
NOTE Confidence: 0.920045495714286  
00:22:50.170 --> 00:22:53.890 On treatment and addressing it, but yes,  
NOTE Confidence: 0.920045495714286  
00:22:53.890 --> 00:22:57.267 it we do recommend abstinence because  
NOTE Confidence: 0.920045495714286  
00:22:57.267 --> 00:22:59.696 it's hard to know exactly at what  
NOTE Confidence: 0.920045495714286  
00:22:59.696 --> 00:23:01.786 quantity caused this in the 1st place.  
NOTE Confidence: 0.920045495714286  
00:23:01.790 --> 00:23:02.506 There's no,  
NOTE Confidence: 0.920045495714286  
00:23:02.506 --> 00:23:04.654 you know every patient is different.  
NOTE Confidence: 0.920045495714286  
00:23:04.660 --> 00:23:05.796 Some people, I think,  
NOTE Confidence: 0.920045495714286  
00:23:05.796 --> 00:23:07.216 are more susceptible to even  
NOTE Confidence: 0.920045495714286  
00:23:07.216 --> 00:23:08.568 lower amounts of exposure,  
NOTE Confidence: 0.920045495714286  
00:23:08.570 --> 00:23:10.562 whereas others seem to be smoking  
NOTE Confidence: 0.920045495714286  
00:23:10.562 --> 00:23:12.260 for decades and don't have,  
NOTE Confidence: 0.920045495714286  
00:23:12.260 --> 00:23:12.916 you know,  
NOTE Confidence: 0.920045495714286

00:23:12.916 --> 00:23:14.556 don't have a cancer diagnosis  
NOTE Confidence: 0.920045495714286

00:23:14.556 --> 00:23:16.189 or don't present with that.  
NOTE Confidence: 0.903929148333333

00:23:16.560 --> 00:23:19.128 Yeah, and so if you do  
NOTE Confidence: 0.903929148333333

00:23:19.128 --> 00:23:21.839 continue to smoke or to drink.  
NOTE Confidence: 0.903929148333333

00:23:21.840 --> 00:23:23.778 You're at higher risk of relapse.  
NOTE Confidence: 0.903929148333333

00:23:23.780 --> 00:23:25.650 Is that right or recurrence?  
NOTE Confidence: 0.826989354

00:23:25.970 --> 00:23:27.760 Yes, that is certainly true.  
NOTE Confidence: 0.826989354

00:23:27.760 --> 00:23:29.758 And you know, data has shown  
NOTE Confidence: 0.826989354

00:23:29.758 --> 00:23:31.509 that even outcomes and response  
NOTE Confidence: 0.826989354

00:23:31.509 --> 00:23:33.621 to treatment are are not as  
NOTE Confidence: 0.826989354

00:23:33.621 --> 00:23:35.599 good for patients who continue.  
NOTE Confidence: 0.85174931

00:23:36.890 --> 00:23:39.070 And so you know,  
NOTE Confidence: 0.85174931

00:23:39.070 --> 00:23:43.410 outside of of alcohol and and smoking,  
NOTE Confidence: 0.85174931

00:23:43.410 --> 00:23:45.590 are there other risk factors?  
NOTE Confidence: 0.85174931

00:23:45.590 --> 00:23:49.086 I mean? For many cancers,  
NOTE Confidence: 0.85174931

00:23:49.086 --> 00:23:53.380 we talk about diets and obesity and exercise.

NOTE Confidence: 0.85174931  
00:23:53.380 --> 00:23:55.516 Are those things that play into  
NOTE Confidence: 0.85174931  
00:23:55.516 --> 00:23:57.839 head neck cancers or not so much?  
NOTE Confidence: 0.85174931  
00:23:57.840 --> 00:23:59.622 Is it really more the the  
NOTE Confidence: 0.85174931  
00:23:59.622 --> 00:24:02.480 smoking and alcohol?  
NOTE Confidence: 0.85174931  
00:24:02.480 --> 00:24:03.878 Yeah, I think  
NOTE Confidence: 0.88733137  
00:24:03.890 --> 00:24:06.848 with you know obesity and diet.  
NOTE Confidence: 0.88733137  
00:24:06.850 --> 00:24:09.398 There's not been shown to be an  
NOTE Confidence: 0.88733137  
00:24:09.398 --> 00:24:11.435 association and there are some  
NOTE Confidence: 0.88733137  
00:24:11.435 --> 00:24:13.175 other potential risk factors.  
NOTE Confidence: 0.88733137  
00:24:13.180 --> 00:24:15.180 Sometimes we see patients.  
NOTE Confidence: 0.88733137  
00:24:15.180 --> 00:24:17.630 For example, we didn't mention it earlier,  
NOTE Confidence: 0.88733137  
00:24:17.630 --> 00:24:20.768 but we sometimes treat skin cancers  
NOTE Confidence: 0.88733137  
00:24:20.768 --> 00:24:23.483 of sun exposure without using  
NOTE Confidence: 0.88733137  
00:24:23.483 --> 00:24:26.655 sunscreen and even a history of  
NOTE Confidence: 0.88733137  
00:24:26.655 --> 00:24:28.755 having immunosuppression can also  
NOTE Confidence: 0.88733137

00:24:28.755 --> 00:24:31.600 lead to certain cancers or or.  
NOTE Confidence: 0.88733137

00:24:31.600 --> 00:24:32.680 Higher risk of certain cancers  
NOTE Confidence: 0.88733137

00:24:32.680 --> 00:24:34.100 in the head and neck region?  
NOTE Confidence: 0.80804729625

00:24:34.590 --> 00:24:38.139 Yeah yeah. Just shifting gears a little  
NOTE Confidence: 0.80804729625

00:24:38.139 --> 00:24:40.546 bit tell us a little bit more about some  
NOTE Confidence: 0.80804729625

00:24:40.546 --> 00:24:42.275 of the exciting research that's going  
NOTE Confidence: 0.80804729625

00:24:42.275 --> 00:24:45.010 on in the field of head and neck cancer.  
NOTE Confidence: 0.80804729625

00:24:45.010 --> 00:24:47.929 We talked earlier about novel kinds of  
NOTE Confidence: 0.80804729625

00:24:47.929 --> 00:24:50.105 surgery. Certainly there must be work  
NOTE Confidence: 0.80804729625

00:24:50.105 --> 00:24:53.370 going on in terms of different biologies,  
NOTE Confidence: 0.80804729625

00:24:53.370 --> 00:24:56.430 HPV versus not, and one would  
NOTE Confidence: 0.80804729625

00:24:56.430 --> 00:24:59.590 assume that there may also be trials  
NOTE Confidence: 0.80804729625

00:24:59.590 --> 00:25:01.830 looking at how we can best help.  
NOTE Confidence: 0.80804729625

00:25:01.830 --> 00:25:04.280 Are patients in terms of lifestyle factors?  
NOTE Confidence: 0.80804729625

00:25:04.280 --> 00:25:06.312 So can you kind of break down some  
NOTE Confidence: 0.80804729625

00:25:06.312 --> 00:25:08.330 of the exciting advances that you



NOTE Confidence: 0.80804729625

00:25:08.330 --> 00:25:10.490 see in terms of clinical trials

NOTE Confidence: 0.80804729625

00:25:10.558 --> 00:25:12.358 and where the field is going?

NOTE Confidence: 0.891289467777778

00:25:13.690 --> 00:25:16.105 Yes, so I think something that we

NOTE Confidence: 0.891289467777778

00:25:16.105 --> 00:25:17.985 talked about before remains very

NOTE Confidence: 0.891289467777778

00:25:17.985 --> 00:25:20.325 important for head and neck cancer,

NOTE Confidence: 0.891289467777778

00:25:20.330 --> 00:25:23.590 which is organ organ preservation

NOTE Confidence: 0.891289467777778

00:25:23.590 --> 00:25:25.546 or preserving function.

NOTE Confidence: 0.891289467777778

00:25:25.550 --> 00:25:28.130 And like I mentioned to,

NOTE Confidence: 0.891289467777778

00:25:28.130 --> 00:25:30.482 there are certain sites where up front

NOTE Confidence: 0.891289467777778

00:25:30.482 --> 00:25:32.665 surgery is is usually considered and

NOTE Confidence: 0.891289467777778

00:25:32.665 --> 00:25:35.241 I think within the field at large.

NOTE Confidence: 0.891289467777778

00:25:35.250 --> 00:25:39.562 The most exciting thing has been the use

NOTE Confidence: 0.891289467777778

00:25:39.562 --> 00:25:43.199 of immunotherapy and head neck cancers and.

NOTE Confidence: 0.891289467777778

00:25:43.200 --> 00:25:46.268 It's been shown to be something

NOTE Confidence: 0.891289467777778

00:25:46.268 --> 00:25:47.740 that we should consider,

NOTE Confidence: 0.891289467777778

00:25:47.740 --> 00:25:49.993 particularly in advanced  
NOTE Confidence: 0.891289467777778

00:25:49.993 --> 00:25:52.997 disease or recurrent disease,  
NOTE Confidence: 0.891289467777778

00:25:53.000 --> 00:25:55.408 but now I think we're starting to  
NOTE Confidence: 0.891289467777778

00:25:55.408 --> 00:25:57.640 think you know what about using  
NOTE Confidence: 0.891289467777778

00:25:57.640 --> 00:26:00.251 this before surgery in what we call  
NOTE Confidence: 0.891289467777778

00:26:00.328 --> 00:26:02.698 the neoadjuvant setting to see if  
NOTE Confidence: 0.891289467777778

00:26:02.698 --> 00:26:04.990 it could minimize the effect of  
NOTE Confidence: 0.891289467777778

00:26:04.990 --> 00:26:06.765 surgery on the patient's function,  
NOTE Confidence: 0.81460961

00:26:07.580 --> 00:26:10.919 and is that for HPV related cancers?  
NOTE Confidence: 0.81460961

00:26:10.920 --> 00:26:13.596 Or all head neck cancers particular?  
NOTE Confidence: 0.81460961

00:26:13.600 --> 00:26:15.508 Anatomic sites of cancer.  
NOTE Confidence: 0.736021314444444

00:26:16.380 --> 00:26:21.537 Yes, so I think I think basically both kinds.  
NOTE Confidence: 0.736021314444444

00:26:21.540 --> 00:26:25.789 It's it's something that's being looked at.  
NOTE Confidence: 0.736021314444444

00:26:25.790 --> 00:26:27.953 And you know, I think oral cavity  
NOTE Confidence: 0.736021314444444

00:26:27.953 --> 00:26:30.469 cancers is is 1 area of interest too?  
NOTE Confidence: 0.736021314444444

00:26:30.470 --> 00:26:32.360 Because we do the, you know,

NOTE Confidence: 0.736021314444444

00:26:32.360 --> 00:26:34.380 sometimes we have to consider

NOTE Confidence: 0.736021314444444

00:26:34.380 --> 00:26:36.666 bigger surgeries. And like I said,

NOTE Confidence: 0.736021314444444

00:26:36.666 --> 00:26:38.142 reconstruction with those free

NOTE Confidence: 0.736021314444444

00:26:38.142 --> 00:26:39.808 tissue transfers which you know,

NOTE Confidence: 0.736021314444444

00:26:39.810 --> 00:26:41.090 preserve function quite a bit.

NOTE Confidence: 0.736021314444444

00:26:41.090 --> 00:26:44.050 But do also require a lot of recovery.

NOTE Confidence: 0.736021314444444

00:26:44.050 --> 00:26:46.802 So I think that's that's something that is

NOTE Confidence: 0.736021314444444

00:26:46.802 --> 00:26:48.639 becoming interesting to many oncologists.

NOTE Confidence: 0.8016536

00:26:49.190 --> 00:26:52.074 Yeah, you know when we think about

NOTE Confidence: 0.8016536

00:26:52.074 --> 00:26:54.849 the move towards shorter surgeries.

NOTE Confidence: 0.8016536

00:26:54.850 --> 00:26:55.684 Robotic surgeries?

NOTE Confidence: 0.8016536

00:26:55.684 --> 00:26:58.186 Are you finding that that's cutting

NOTE Confidence: 0.8016536

00:26:58.186 --> 00:27:00.736 down on the length of the operation

NOTE Confidence: 0.8016536

00:27:00.736 --> 00:27:03.225 as well as the length of stay

NOTE Confidence: 0.8016536

00:27:03.225 --> 00:27:05.145 and the number of complications?

NOTE Confidence: 0.81852297

00:27:06.120 --> 00:27:09.474 Yes, definitely you know patients after  
NOTE Confidence: 0.81852297

00:27:09.474 --> 00:27:12.980 robotic surgery if they're swallowing OK,  
NOTE Confidence: 0.81852297

00:27:12.980 --> 00:27:15.476 can even leave the next day,  
NOTE Confidence: 0.81852297

00:27:15.480 --> 00:27:16.926 whereas before when we had to  
NOTE Confidence: 0.81852297

00:27:16.926 --> 00:27:18.439 do big surgeries in this area,  
NOTE Confidence: 0.81852297

00:27:18.440 --> 00:27:20.970 patients would stay, you know,  
NOTE Confidence: 0.81852297

00:27:20.970 --> 00:27:23.674 a week or so and require a tube  
NOTE Confidence: 0.81852297

00:27:23.674 --> 00:27:26.669 in the nose to be fed or even a.  
NOTE Confidence: 0.81852297

00:27:26.670 --> 00:27:29.694 Tracheostomy tube to breathe and and recover.  
NOTE Confidence: 0.81852297

00:27:29.700 --> 00:27:32.150 And so, I think yes.  
NOTE Confidence: 0.81852297

00:27:32.150 --> 00:27:33.176 Shorter surgery terms,  
NOTE Confidence: 0.81852297

00:27:33.176 --> 00:27:36.110 but also shorter length of stay and shorter.  
NOTE Confidence: 0.81852297

00:27:36.110 --> 00:27:37.590 You know, recovery times at  
NOTE Confidence: 0.81852297

00:27:37.590 --> 00:27:39.070 large because even after the  
NOTE Confidence: 0.81852297

00:27:39.128 --> 00:27:40.768 patient goes home from surgery,  
NOTE Confidence: 0.81852297

00:27:40.770 --> 00:27:42.996 we do have regular follow up and

NOTE Confidence: 0.81852297  
00:27:42.996 --> 00:27:45.274 really rely on our our speech  
NOTE Confidence: 0.81852297  
00:27:45.274 --> 00:27:46.525 and swallow therapist.  
NOTE Confidence: 0.81852297  
00:27:46.530 --> 00:27:49.235 Also, to help us with  
NOTE Confidence: 0.81852297  
00:27:49.235 --> 00:27:51.399 rehabilitation which takes longer  
NOTE Confidence: 0.885006347692308  
00:27:52.150 --> 00:27:54.244 and you know, so it sounds  
NOTE Confidence: 0.885006347692308  
00:27:54.244 --> 00:27:55.640 like robotic surgery is  
NOTE Confidence: 0.885006347692308  
00:27:55.713 --> 00:27:57.459 certainly something that.  
NOTE Confidence: 0.885006347692308  
00:27:57.460 --> 00:27:59.935 And people should be looking  
NOTE Confidence: 0.885006347692308  
00:27:59.935 --> 00:28:01.915 into one final question.  
NOTE Confidence: 0.885006347692308  
00:28:01.920 --> 00:28:05.510 Is it covered by insurance?  
NOTE Confidence: 0.885006347692308  
00:28:05.510 --> 00:28:08.180 Yes, so robotic  
NOTE Confidence: 0.897798626666667  
00:28:08.190 --> 00:28:11.886 surgery is is covered by insurance.  
NOTE Confidence: 0.897798626666667  
00:28:11.890 --> 00:28:13.014 You know it was.  
NOTE Confidence: 0.897798626666667  
00:28:13.014 --> 00:28:14.700 I think one of the downsides  
NOTE Confidence: 0.897798626666667  
00:28:14.769 --> 00:28:16.073 that people reported earlier  
NOTE Confidence: 0.897798626666667

00:28:16.073 --> 00:28:18.222 on is is the cost, but we.  
NOTE Confidence: 0.897798626666667

00:28:18.222 --> 00:28:20.270 We know now that it can minimize the  
NOTE Confidence: 0.897798626666667

00:28:20.335 --> 00:28:22.575 cost down the road in terms of other  
NOTE Confidence: 0.897798626666667

00:28:22.575 --> 00:28:24.637 things that the patient might need  
NOTE Confidence: 0.897798626666667

00:28:24.637 --> 00:28:26.803 for recovery from the larger procedure,  
NOTE Confidence: 0.897798626666667

00:28:26.810 --> 00:28:29.930 or even chemotherapy and radiation.  
NOTE Confidence: 0.897798626666667

00:28:29.930 --> 00:28:31.265 So I think there haven't  
NOTE Confidence: 0.897798626666667

00:28:31.265 --> 00:28:32.600 been any issues with that.  
NOTE Confidence: 0.879556185294118

00:28:33.220 --> 00:28:35.302 Doctor Avati Verma is an assistant  
NOTE Confidence: 0.879556185294118

00:28:35.302 --> 00:28:37.138 professor of surgery and otolaryngology  
NOTE Confidence: 0.879556185294118

00:28:37.138 --> 00:28:39.454 at the Yale School of Medicine.  
NOTE Confidence: 0.879556185294118

00:28:39.460 --> 00:28:41.436 If you have questions,  
NOTE Confidence: 0.879556185294118

00:28:41.436 --> 00:28:43.373 the address is canceranswers@yale.edu  
NOTE Confidence: 0.879556185294118

00:28:43.373 --> 00:28:46.091 and passed additions of the program  
NOTE Confidence: 0.879556185294118

00:28:46.091 --> 00:28:48.424 are available in audio and written  
NOTE Confidence: 0.879556185294118

00:28:48.424 --> 00:28:49.344 form at yalecancercenter.org.

NOTE Confidence: 0.879556185294118

00:28:49.344 --> 00:28:51.856 We hope you'll join us next week to

NOTE Confidence: 0.879556185294118

00:28:51.856 --> 00:28:53.772 learn more about the fight against

NOTE Confidence: 0.879556185294118

00:28:53.772 --> 00:28:55.317 cancer here on Connecticut Public

NOTE Confidence: 0.879556185294118

00:28:55.373 --> 00:28:57.137 radio funding for Yale Cancer Answers

NOTE Confidence: 0.879556185294118

00:28:57.137 --> 00:29:00.000 is provided by Smilow Cancer Hospital.