

WEBVTT

00:00:00.000 --> 00:00:03.276 Support for Yale Cancer Answers comes from

NOTE Confidence: 0.853254973888397

00:00:03.276 --> 00:00:05.720 AstraZeneca, committed to researching

NOTE Confidence: 0.853254973888397

00:00:05.720 --> 00:00:07.648 innovative treatments to address

NOTE Confidence: 0.853254973888397

00:00:07.648 --> 00:00:10.809 unmet needs in head and neck cancer.

NOTE Confidence: 0.853254973888397

00:00:10.810 --> 00:00:14.450 Learn more at astrazeneca-us.com.

NOTE Confidence: 0.853254973888397

00:00:14.450 --> 00:00:15.818 Welcome to Yale Cancer

NOTE Confidence: 0.853254973888397

00:00:15.818 --> 00:00:17.186 Answers with your host

NOTE Confidence: 0.853254973888397

00:00:17.190 --> 00:00:18.910 Doctor Anees Chagpar.

NOTE Confidence: 0.853254973888397

00:00:18.910 --> 00:00:20.740 Yale Cancer Answers features the

NOTE Confidence: 0.853254973888397

00:00:20.740 --> 00:00:22.988 latest information on cancer care by

NOTE Confidence: 0.853254973888397

00:00:22.988 --> 00:00:24.428 welcoming oncologists and specialists

NOTE Confidence: 0.853254973888397

00:00:24.428 --> 00:00:26.844 who are on the forefront of the

NOTE Confidence: 0.853254973888397

00:00:26.844 --> 00:00:28.506 battle to fight cancer. This week

NOTE Confidence: 0.853254973888397

00:00:28.510 --> 00:00:30.743 it's a conversation about head and neck

NOTE Confidence: 0.853254973888397

00:00:30.743 --> 00:00:32.629 cancers with Doctor Benjamin Judson.

NOTE Confidence: 0.853254973888397

00:00:32.630 --> 00:00:34.736 Doctor Judson is a professor of
NOTE Confidence: 0.853254973888397

00:00:34.736 --> 00:00:36.833 surgery in Otolaryngology and the chief
NOTE Confidence: 0.853254973888397

00:00:36.833 --> 00:00:38.413 of the division of Otolaryngology
NOTE Confidence: 0.853254973888397

00:00:38.413 --> 00:00:40.518 at the Yale School of Medicine,
NOTE Confidence: 0.853254973888397

00:00:40.520 --> 00:00:43.244 where doctor Chagpar is a
NOTE Confidence: 0.853254973888397

00:00:43.244 --> 00:00:45.060 professor of surgical oncology.
00:00:46.800 --> 00:00:49.245 I always think about head
NOTE Confidence: 0.900502741336823

00:00:49.245 --> 00:00:51.690 and neck cancers as this
NOTE Confidence: 0.900502741336823

00:00:51.690 --> 00:00:53.640 very large bucket
NOTE Confidence: 0.900502741336823

00:00:53.640 --> 00:00:54.810 of heterogeneous diseases.
NOTE Confidence: 0.900502741336823

00:00:54.810 --> 00:00:57.096 Can you talk a little bit
NOTE Confidence: 0.900502741336823

00:00:57.096 --> 00:00:59.100 about how you classify them,
NOTE Confidence: 0.900502741336823

00:00:59.100 --> 00:01:01.050 how you think about them?
00:01:02.220 --> 00:01:04.950 Well your impression is actually on target. Head
NOTE Confidence: 0.851486086845398

00:01:04.950 --> 00:01:08.070 and neck cancers make up about four to
NOTE Confidence: 0.851486086845398

00:01:08.070 --> 00:01:10.800 5% of cancers in the United States,
NOTE Confidence: 0.851486086845398

00:01:10.800 --> 00:01:13.920 but when you really zone in on them,

NOTE Confidence: 0.851486086845398

00:01:13.920 --> 00:01:16.650 they are not common,

NOTE Confidence: 0.851486086845398

00:01:16.650 --> 00:01:18.600 but they're not rare either.

NOTE Confidence: 0.851486086845398

00:01:18.600 --> 00:01:20.940 And then when you really begin

NOTE Confidence: 0.851486086845398

00:01:20.940 --> 00:01:22.990 to look more closely, they

NOTE Confidence: 0.851486086845398

00:01:22.990 --> 00:01:25.426 are made up of a lot of different

NOTE Confidence: 0.851486086845398

00:01:25.426 --> 00:01:27.868 cancers in the mouth throat area.

NOTE Confidence: 0.851486086845398

00:01:27.870 --> 00:01:29.966 One of the phrases we use to describe

NOTE Confidence: 0.851486086845398

00:01:29.966 --> 00:01:32.049 it in the medical lingo is it's

NOTE Confidence: 0.851486086845398

00:01:32.049 --> 00:01:34.291 between the dura and the pleura, so

NOTE Confidence: 0.851486086845398

00:01:34.291 --> 00:01:36.349 any cancer that's not brain cancer,

NOTE Confidence: 0.851486086845398

00:01:36.350 --> 00:01:38.168 but it's above the lung

00:01:39.380 --> 00:01:42.107 falls into that bucket of being a head and neck cancer.

00:01:44.296 --> 00:01:46.116 Are there things that

NOTE Confidence: 0.859275043010712

00:01:46.116 --> 00:01:48.090 kind of make these similar?

NOTE Confidence: 0.859275043010712

00:01:48.090 --> 00:01:50.810 So when we think about risk factors for

NOTE Confidence: 0.859275043010712

00:01:50.810 --> 00:01:53.339 example of getting head neck cancers,

NOTE Confidence: 0.859275043010712

00:01:53.340 --> 00:01:55.590 granted that all of these cancers

NOTE Confidence: 0.859275043010712

00:01:55.590 --> 00:01:57.530 are a little bit different,

NOTE Confidence: 0.859275043010712

00:01:57.530 --> 00:02:00.085 but do they share some of

NOTE Confidence: 0.863167836115911

00:02:00.090 --> 00:02:01.454 the same risk factors?

NOTE Confidence: 0.863167836115911

00:02:01.454 --> 00:02:04.570 Some of them do and some of them don't.

NOTE Confidence: 0.863167836115911

00:02:04.570 --> 00:02:07.099 Some of the cancers we see in this area

NOTE Confidence: 0.863167836115911

00:02:07.099 --> 00:02:09.810 just don't have strong risk factors,

00:02:11.114 --> 00:02:12.744 They are uncommon,

NOTE Confidence: 0.863167836115911

00:02:12.750 --> 00:02:15.358 but they they can happen out of the

NOTE Confidence: 0.863167836115911

00:02:15.358 --> 00:02:17.510 blue without any sort of exposure.

NOTE Confidence: 0.863167836115911

00:02:17.510 --> 00:02:18.826 That's probably a minority

NOTE Confidence: 0.863167836115911

00:02:18.826 --> 00:02:20.800 of the cancers in this area.

NOTE Confidence: 0.863167836115911

00:02:20.800 --> 00:02:21.128 Historically,

NOTE Confidence: 0.863167836115911

00:02:21.128 --> 00:02:23.424 the biggest risk factor has been smoking,

NOTE Confidence: 0.863167836115911

00:02:23.430 --> 00:02:24.309 and you know,

NOTE Confidence: 0.863167836115911

00:02:24.309 --> 00:02:26.067 with the decrease in smoking rates

NOTE Confidence: 0.863167836115911

00:02:26.067 --> 00:02:28.319 in the United States since World War

NOTE Confidence: 0.863167836115911

00:02:28.319 --> 00:02:30.769 Two we're beginning to see some slight

NOTE Confidence: 0.863167836115911

00:02:30.769 --> 00:02:32.639 decrease in smoking related cancers.

NOTE Confidence: 0.863167836115911

00:02:32.640 --> 00:02:35.056 But the big sort of change or

NOTE Confidence: 0.863167836115911

00:02:35.056 --> 00:02:37.508 the big story in this area

NOTE Confidence: 0.863167836115911

00:02:37.508 --> 00:02:40.260 is the rise of cancers in the throat

NOTE Confidence: 0.863167836115911

00:02:40.260 --> 00:02:42.504 that are a result of infection

NOTE Confidence: 0.863167836115911

00:02:42.510 --> 00:02:44.160 with the human papilloma virus.

NOTE Confidence: 0.865224421024323

00:02:45.150 --> 00:02:49.090 I want to dig into HPV in a minute,

NOTE Confidence: 0.865224421024323

00:02:49.090 --> 00:02:51.130 but I want to talk about

NOTE Confidence: 0.865224421024323

00:02:51.130 --> 00:02:54.676 a couple of other things before we get there.

NOTE Confidence: 0.865224421024323

00:02:54.680 --> 00:02:57.824 One is a little bit about alcohol.

NOTE Confidence: 0.865224421024323

00:02:57.830 --> 00:03:00.822 Is alcohol a major risk factor

NOTE Confidence: 0.865224421024323

00:03:00.822 --> 00:03:04.018 for head and neck cancers, and if so,

NOTE Confidence: 0.865224421024323

00:03:04.018 --> 00:03:07.280 is there a quote safe amount of alcohol?

NOTE Confidence: 0.870549499988556

00:03:07.950 --> 00:03:10.164 It's a great question and I'm
NOTE Confidence: 0.870549499988556

00:03:10.164 --> 00:03:12.918 saying a little because we don't
NOTE Confidence: 0.870549499988556

00:03:12.920 --> 00:03:15.838 know some of this,
NOTE Confidence: 0.870549499988556

00:03:15.838 --> 00:03:18.612 but what we do know about
NOTE Confidence: 0.870549499988556

00:03:18.612 --> 00:03:21.636 the role of alcohol is that it has a
NOTE Confidence: 0.870549499988556

00:03:21.722 --> 00:03:24.458 synergistic role with tobacco so that
NOTE Confidence: 0.870549499988556

00:03:24.458 --> 00:03:27.754 if alcohol is a risk factor,
NOTE Confidence: 0.870549499988556

00:03:27.754 --> 00:03:29.950 a low risk factor for developing
NOTE Confidence: 0.870549499988556

00:03:30.028 --> 00:03:31.249 head neck cancer,
NOTE Confidence: 0.870549499988556

00:03:31.250 --> 00:03:34.306 smoking is a larger risk factor,
NOTE Confidence: 0.870549499988556

00:03:34.310 --> 00:03:36.494 but if someone smokes and drinks
NOTE Confidence: 0.870549499988556

00:03:36.494 --> 00:03:38.510 it isn't an additive effect,
NOTE Confidence: 0.870549499988556

00:03:38.510 --> 00:03:39.970 it's a multiplicative effect.
NOTE Confidence: 0.870549499988556

00:03:42.552 --> 00:03:44.157 So if you smoke and drink,
NOTE Confidence: 0.870549499988556

00:03:44.160 --> 00:03:45.870 your risk is significantly higher.
NOTE Confidence: 0.870549499988556

00:03:45.870 --> 00:03:48.182 So I guess the biggest role of alcohol
NOTE Confidence: 0.870549499988556

00:03:48.182 --> 00:03:50.770 is in people who smoke because it
NOTE Confidence: 0.870549499988556

00:03:50.770 --> 00:03:52.710 amplifies that risk of smoking.
00:03:53.446 --> 00:03:56.022 I think that although we say that
NOTE Confidence: 0.870549499988556

00:03:56.022 --> 00:03:58.311 alcohol is a risk factor for
NOTE Confidence: 0.870549499988556

00:03:58.311 --> 00:04:00.151 developing a head neck cancer
NOTE Confidence: 0.870549499988556

00:04:00.160 --> 00:04:02.090 A low level of alcohol.
NOTE Confidence: 0.870549499988556

00:04:02.090 --> 00:04:04.020 The risk of developing head
NOTE Confidence: 0.870549499988556

00:04:04.020 --> 00:04:05.560 neck cancer with that
NOTE Confidence: 0.864732623100281

00:04:05.560 --> 00:04:08.648 is quite low. OK, an my next question.
NOTE Confidence: 0.864732623100281

00:04:08.650 --> 00:04:11.738 It has to do with race and ethnicity.
NOTE Confidence: 0.864732623100281

00:04:11.740 --> 00:04:13.745 Are there particular racial and
NOTE Confidence: 0.864732623100281

00:04:13.745 --> 00:04:16.369 ethnic groups that are more at risk?
NOTE Confidence: 0.864732623100281

00:04:16.370 --> 00:04:21.250 I know that I have sent you in the last year.
NOTE Confidence: 0.864732623100281

00:04:21.250 --> 00:04:24.242 At least a number of people that I
NOTE Confidence: 0.864732623100281

00:04:24.242 --> 00:04:27.217 can think of off the top of my head
NOTE Confidence: 0.864732623100281

00:04:27.217 --> 00:04:29.918 who are of South Asian descent,
NOTE Confidence: 0.864732623100281

00:04:29.920 --> 00:04:33.097 which is which is a racial and ethnic group
NOTE Confidence: 0.864732623100281

00:04:33.097 --> 00:04:36.330 that we rarely think about in this country.
NOTE Confidence: 0.864732623100281

00:04:36.330 --> 00:04:38.592 We usually think about race in
NOTE Confidence: 0.864732623100281

00:04:38.592 --> 00:04:40.100 terms of African Americans,
NOTE Confidence: 0.864732623100281

00:04:40.100 --> 00:04:41.985 and we think about ethnicity
NOTE Confidence: 0.864732623100281

00:04:41.985 --> 00:04:43.870 in terms of Hispanic people,
NOTE Confidence: 0.864732623100281

00:04:43.870 --> 00:04:45.760 but if we think globally,
NOTE Confidence: 0.864732623100281

00:04:45.760 --> 00:04:47.720 are there particular racial and
NOTE Confidence: 0.864732623100281

00:04:47.720 --> 00:04:50.280 ethnic groups that are more at risk?
NOTE Confidence: 0.853480458259583

00:05:03.350 --> 00:05:05.300 Head and neck cancer is significantly
NOTE Confidence: 0.853480458259583

00:05:05.300 --> 00:05:08.169 more common in the rest of the world,
NOTE Confidence: 0.853480458259583

00:05:08.170 --> 00:05:10.396 and that probably has to do
NOTE Confidence: 0.853480458259583

00:05:10.396 --> 00:05:11.880 with tobacco and alcohol
NOTE Confidence: 0.853480458259583

00:05:11.880 --> 00:05:13.364 and betel nut exposure,
NOTE Confidence: 0.853480458259583

00:05:13.364 --> 00:05:14.848 which are higher elsewhere,
NOTE Confidence: 0.853480458259583

00:05:14.850 --> 00:05:15.966 especially in Asia.

NOTE Confidence: 0.853480458259583
00:05:15.966 --> 00:05:18.198 The other thing that's at play
NOTE Confidence: 0.853480458259583
00:05:18.198 --> 00:05:20.465 is that there is a particular
NOTE Confidence: 0.853480458259583
00:05:20.465 --> 00:05:22.290 type of head neck cancer
NOTE Confidence: 0.853480458259583
00:05:22.290 --> 00:05:23.854 called nasopharyngeal cancer that
NOTE Confidence: 0.853480458259583
00:05:23.854 --> 00:05:26.602 is much more prevalent in parts of
NOTE Confidence: 0.853480458259583
00:05:26.602 --> 00:05:28.624 Asia and it's related to Epstein
NOTE Confidence: 0.853480458259583
00:05:28.624 --> 00:05:30.480 Barr virus infection and
NOTE Confidence: 0.853480458259583
00:05:30.480 --> 00:05:32.888 we see when individuals from that part
NOTE Confidence: 0.853480458259583
00:05:32.888 --> 00:05:35.820 of the world move to the United States,
NOTE Confidence: 0.853480458259583
00:05:35.820 --> 00:05:37.595 their risk of developing those
NOTE Confidence: 0.853480458259583
00:05:37.595 --> 00:05:39.015 cancers goes down significantly,
NOTE Confidence: 0.853480458259583
00:05:39.020 --> 00:05:41.156 but not to the same level,
NOTE Confidence: 0.853480458259583
00:05:41.160 --> 00:05:44.355 and so we're sort of figuring out why that is.
NOTE Confidence: 0.853480458259583
00:05:44.360 --> 00:05:46.140 It is unclear exactly how
NOTE Confidence: 0.853480458259583
00:05:46.140 --> 00:05:47.564 the risk factors work,
NOTE Confidence: 0.853480458259583

00:05:47.570 --> 00:05:49.901 but we do see different types of
NOTE Confidence: 0.853480458259583

00:05:49.901 --> 00:05:51.722 head neck cancer more frequently
NOTE Confidence: 0.853480458259583

00:05:51.722 --> 00:05:53.966 in other parts of the world, like in
NOTE Confidence: 0.876791735490163

00:05:54.690 --> 00:05:57.014 Asia.
NOTE Confidence: 0.876791735490163

00:05:57.014 --> 00:05:59.320 And that brings me to this whole virus phe-
nomenon,
NOTE Confidence: 0.876791735490163

00:05:59.320 --> 00:06:01.636 because now you've mentioned two viruses,
NOTE Confidence: 0.876791735490163

00:06:01.640 --> 00:06:04.188 both of which are risk factors for
NOTE Confidence: 0.876791735490163

00:06:04.188 --> 00:06:06.280 various head and neck cancers.
NOTE Confidence: 0.876791735490163

00:06:06.280 --> 00:06:08.602 One being HPV and one
NOTE Confidence: 0.876791735490163

00:06:08.602 --> 00:06:10.150 being Epstein Barr virus,
NOTE Confidence: 0.876791735490163

00:06:10.150 --> 00:06:12.478 and certainly right now,
NOTE Confidence: 0.876791735490163

00:06:12.480 --> 00:06:15.175 in the midst of a global pandemic,
NOTE Confidence: 0.876791735490163

00:06:15.180 --> 00:06:19.090 a lot of us have got viruses on the brain.
NOTE Confidence: 0.876791735490163

00:06:19.090 --> 00:06:23.661 Talk a little bit about the differences
NOTE Confidence: 0.876791735490163

00:06:23.661 --> 00:06:26.833 between different viruses and
NOTE Confidence: 0.876791735490163

00:06:26.833 --> 00:06:29.598 how exactly these viruses cause
NOTE Confidence: 0.876791735490163

00:06:29.598 --> 00:06:33.269 cancer and what we can do about it.
00:06:35.560 --> 00:06:38.280 I think what we're seeing the
NOTE Confidence: 0.881141185760498

00:06:38.280 --> 00:06:40.929 most in the United States by far
NOTE Confidence: 0.881141185760498

00:06:40.930 --> 00:06:42.856 is the rise in throat cancers
NOTE Confidence: 0.881141185760498

00:06:42.856 --> 00:06:44.620 that are caused by exposure
NOTE Confidence: 0.881141185760498

00:06:44.620 --> 00:06:46.655 to the human papilloma virus,
NOTE Confidence: 0.881141185760498

00:06:46.660 --> 00:06:49.341 and it's been happening
NOTE Confidence: 0.881141185760498

00:06:49.341 --> 00:06:51.669 over the last 15 or 20 years,
NOTE Confidence: 0.881141185760498

00:06:51.670 --> 00:06:53.818 and it's still an emerging story.
NOTE Confidence: 0.881141185760498

00:06:53.820 --> 00:06:56.466 We're still learning more about
NOTE Confidence: 0.881141185760498

00:06:56.466 --> 00:06:58.829 what's happening and how this works,
NOTE Confidence: 0.881141185760498

00:06:58.830 --> 00:07:00.978 but we certainly know a lot,
NOTE Confidence: 0.881141185760498

00:07:00.980 --> 00:07:02.858 and one of the key takeaways
NOTE Confidence: 0.881141185760498

00:07:02.858 --> 00:07:05.000 is that these are preventable
NOTE Confidence: 0.881141185760498

00:07:05.000 --> 00:07:06.420 cancers, and they're preventable
NOTE Confidence: 0.881141185760498

00:07:06.420 --> 00:07:08.910 if an individual is vaccinated against the

NOTE Confidence: 0.881141185760498

00:07:08.910 --> 00:07:11.024 human papilloma virus when they were younger.

NOTE Confidence: 0.881141185760498

00:07:11.030 --> 00:07:13.550 It's going to take 10

NOTE Confidence: 0.881141185760498

00:07:13.550 --> 00:07:16.386 to 20 years for that to play out.

NOTE Confidence: 0.881141185760498

00:07:16.390 --> 00:07:18.394 Teens today are

NOTE Confidence: 0.881141185760498

00:07:18.394 --> 00:07:20.080 getting vaccinated many of them,

NOTE Confidence: 0.881141185760498

00:07:20.080 --> 00:07:22.173 but not probably as many as we'd

NOTE Confidence: 0.881141185760498

00:07:22.173 --> 00:07:24.100 like in the United States,

NOTE Confidence: 0.881141185760498

00:07:24.100 --> 00:07:26.110 and that's going to prevent these

NOTE Confidence: 0.881141185760498

00:07:26.110 --> 00:07:27.450 cancers in those individuals

NOTE Confidence: 0.881141185760498

00:07:27.450 --> 00:07:30.714 15-20-30 years down the road.

00:07:31.190 --> 00:07:35.305 When we think about HPV,

NOTE Confidence: 0.861326634883881

00:07:35.305 --> 00:07:38.465 I think that many of our listeners may

NOTE Confidence: 0.861326634883881

00:07:38.465 --> 00:07:42.297 think about HPV and think about it being

NOTE Confidence: 0.861326634883881

00:07:42.297 --> 00:07:45.056 really primarily for women for cervical

NOTE Confidence: 0.861326634883881

00:07:45.056 --> 00:07:47.500 cancer being sexually transmitted.

NOTE Confidence: 0.861326634883881

00:07:47.500 --> 00:07:50.755 They don't think about it as much or
NOTE Confidence: 0.861326634883881

00:07:50.760 --> 00:07:53.556 perhaps at all for people of both
NOTE Confidence: 0.861326634883881

00:07:53.556 --> 00:07:55.420 genders in throat cancer.
NOTE Confidence: 0.861326634883881

00:07:55.420 --> 00:07:58.675 Talk a little bit about that.
NOTE Confidence: 0.861326634883881

00:07:58.680 --> 00:08:01.935 I mean, is this the same virus?
NOTE Confidence: 0.861326634883881

00:08:01.940 --> 00:08:04.290 Is it a different virus?
NOTE Confidence: 0.861326634883881

00:08:04.290 --> 00:08:06.725 Is it spread through sexual
NOTE Confidence: 0.861326634883881

00:08:06.725 --> 00:08:09.160 means or other means?
NOTE Confidence: 0.861326634883881

00:08:09.160 --> 00:08:12.736 And what do you say to the people
NOTE Confidence: 0.861326634883881

00:08:12.736 --> 00:08:16.877 who say, my child won't
NOTE Confidence: 0.861326634883881

00:08:16.877 --> 00:08:20.018 engage in oral sex and therefore
NOTE Confidence: 0.861326634883881

00:08:20.018 --> 00:08:24.257 will not be at risk of HPV in their
NOTE Confidence: 0.861326634883881

00:08:24.257 --> 00:08:27.179 throat and therefore if not female,
NOTE Confidence: 0.861326634883881

00:08:27.180 --> 00:08:29.610 does not need to be
NOTE Confidence: 0.883082032203674

00:08:29.610 --> 00:08:32.065 vaccinated?
NOTE Confidence: 0.883082032203674

00:08:32.065 --> 00:08:34.990 That is a question that people ask for sure

NOTE Confidence: 0.883082032203674
00:08:34.990 --> 00:08:37.594 and what we know is
NOTE Confidence: 0.883082032203674
00:08:37.594 --> 00:08:39.330 that human papilloma virus,
NOTE Confidence: 0.883082032203674
00:08:39.330 --> 00:08:42.706 the type of HPV that causes
NOTE Confidence: 0.883082032203674
00:08:42.706 --> 00:08:45.998 throat cancer is the same type that
NOTE Confidence: 0.883082032203674
00:08:45.998 --> 00:08:49.010 can cause cervical cancer in women.
NOTE Confidence: 0.883082032203674
00:08:49.010 --> 00:08:50.626 And in the throat
NOTE Confidence: 0.883082032203674
00:08:50.626 --> 00:08:53.050 it predominantly causes cancer in men
NOTE Confidence: 0.883082032203674
00:08:53.127 --> 00:08:55.919 and we don't know why that's the case.
NOTE Confidence: 0.883082032203674
00:08:55.920 --> 00:08:58.326 What we've learned is that the
NOTE Confidence: 0.883082032203674
00:08:58.326 --> 00:09:00.362 vast majority of Americans are
NOTE Confidence: 0.883082032203674
00:09:00.362 --> 00:09:02.826 exposed to this virus at some point.
NOTE Confidence: 0.883082032203674
00:09:02.830 --> 00:09:06.276 Estimates put it in the 80 to 90% range.
NOTE Confidence: 0.883082032203674
00:09:06.276 --> 00:09:08.838 So almost all of us get exposed
NOTE Confidence: 0.883082032203674
00:09:08.838 --> 00:09:11.277 to the virus at some point.
NOTE Confidence: 0.883082032203674
00:09:11.280 --> 00:09:13.968 Usually our bodies clear the virus.
NOTE Confidence: 0.883082032203674

00:09:13.970 --> 00:09:15.122 For some people,
NOTE Confidence: 0.883082032203674

00:09:15.122 --> 00:09:17.426 the virus hides out in the
NOTE Confidence: 0.883082032203674

00:09:17.426 --> 00:09:19.020 back of the throat.
NOTE Confidence: 0.883082032203674

00:09:19.020 --> 00:09:20.436 And it's it's there,
NOTE Confidence: 0.883082032203674

00:09:20.436 --> 00:09:22.206 sort of evading our immune
NOTE Confidence: 0.883082032203674

00:09:22.206 --> 00:09:23.420 system for decades.
NOTE Confidence: 0.883082032203674

00:09:23.420 --> 00:09:25.460 And it's that exposure of sitting
NOTE Confidence: 0.883082032203674

00:09:25.460 --> 00:09:28.072 there that is a risk factor for
NOTE Confidence: 0.883082032203674

00:09:28.072 --> 00:09:30.027 developing a cancer later on.
00:09:32.600 --> 00:09:34.742 There is some evidence that suggests
NOTE Confidence: 0.883082032203674

00:09:34.742 --> 00:09:36.999 that people who are more active,
NOTE Confidence: 0.883082032203674

00:09:37.000 --> 00:09:39.106 more sexually active are at higher
NOTE Confidence: 0.883082032203674

00:09:39.106 --> 00:09:41.040 risk for developing these cancers.
NOTE Confidence: 0.883082032203674

00:09:41.040 --> 00:09:43.976 But I think anyone just the vast majority,
NOTE Confidence: 0.883082032203674

00:09:43.980 --> 00:09:45.444 almost all Americans are
NOTE Confidence: 0.883082032203674

00:09:45.444 --> 00:09:46.908 exposed at some point,
NOTE Confidence: 0.883082032203674

00:09:46.910 --> 00:09:49.846 and so we do see these cancers in
NOTE Confidence: 0.883082032203674

00:09:49.850 --> 00:09:50.480 everyone.
NOTE Confidence: 0.870448231697083

00:09:51.400 --> 00:09:54.949 And so this opens the
NOTE Confidence: 0.870448231697083

00:09:54.949 --> 00:09:57.759 question of vaccination and as
NOTE Confidence: 0.870448231697083

00:09:57.760 --> 00:10:02.152 we sit here in 2020,
NOTE Confidence: 0.870448231697083

00:10:02.160 --> 00:10:05.576 the remarkable year that it has been,
NOTE Confidence: 0.870448231697083

00:10:05.580 --> 00:10:08.514 it really does bring to light
NOTE Confidence: 0.870448231697083

00:10:08.514 --> 00:10:10.470 the question of vaccination.
NOTE Confidence: 0.870448231697083

00:10:10.470 --> 00:10:14.152 And historically there have been
NOTE Confidence: 0.870448231697083

00:10:14.152 --> 00:10:18.177 people in this country who have been what
NOTE Confidence: 0.870448231697083

00:10:18.177 --> 00:10:21.810 have been called anti-vaxers who have
NOTE Confidence: 0.870448231697083

00:10:21.810 --> 00:10:24.967 concerns about autism due to vaccination and
NOTE Confidence: 0.870448231697083

00:10:24.970 --> 00:10:28.106 perhaps there are more people who worry
NOTE Confidence: 0.870448231697083

00:10:28.106 --> 00:10:30.871 about how vaccines actually get approved
NOTE Confidence: 0.870448231697083

00:10:30.871 --> 00:10:34.470 in this country and whether they are safe.
NOTE Confidence: 0.870448231697083

00:10:37.180 --> 00:10:40.246 Can you speak to that and really

NOTE Confidence: 0.870448231697083

00:10:40.246 --> 00:10:42.150 allay our listeners fears?

NOTE Confidence: 0.870448231697083

00:10:42.150 --> 00:10:44.904 Because right now people might have

NOTE Confidence: 0.870448231697083

00:10:44.904 --> 00:10:47.690 all kinds of concerns with regards

NOTE Confidence: 0.870448231697083

00:10:47.690 --> 00:10:50.288 to not just the Covid vaccine,

NOTE Confidence: 0.870448231697083

00:10:50.290 --> 00:10:52.058 but vaccines in general.

NOTE Confidence: 0.875563979148865

00:10:52.500 --> 00:10:54.894 I think with

NOTE Confidence: 0.875563979148865

00:10:54.894 --> 00:10:58.174 HPV we have the benefit of this

NOTE Confidence: 0.875563979148865

00:10:58.174 --> 00:11:00.970 not being a new vaccine.

NOTE Confidence: 0.875563979148865

00:11:00.970 --> 00:11:03.358 Over 120 million doses have been

NOTE Confidence: 0.875563979148865

00:11:03.358 --> 00:11:06.180 given in the United States and I

NOTE Confidence: 0.875563979148865

00:11:06.180 --> 00:11:08.861 think it's now over 300 million doses

NOTE Confidence: 0.875563979148865

00:11:08.938 --> 00:11:11.850 across the world over the last decade.

NOTE Confidence: 0.875563979148865

00:11:11.850 --> 00:11:15.468 and this is a safe vaccine.

NOTE Confidence: 0.875563979148865

00:11:15.470 --> 00:11:17.888 It also is an effective vaccine.

NOTE Confidence: 0.875563979148865

00:11:17.890 --> 00:11:20.704 It eliminates 90 to 100%

NOTE Confidence: 0.875563979148865

00:11:20.710 --> 00:11:22.750 of the infections and cancers
NOTE Confidence: 0.875563979148865

00:11:22.750 --> 00:11:24.790 that this virus can cause down the road.
NOTE Confidence: 0.875563979148865

NOTE Confidence: 0.875563979148865

00:11:33.880 --> 00:11:36.010 It's safe and
NOTE Confidence: 0.875563979148865

00:11:36.010 --> 00:11:37.890 it's effective and you know,
NOTE Confidence: 0.875563979148865

00:11:37.890 --> 00:11:40.032 in the past the rationale for
NOTE Confidence: 0.875563979148865

00:11:40.032 --> 00:11:42.269 getting the vaccine was sometimes
NOTE Confidence: 0.875563979148865

00:11:42.269 --> 00:11:44.489 it was described as to avoid
NOTE Confidence: 0.875563979148865

00:11:44.489 --> 00:11:46.650 genital warts or things like that,
NOTE Confidence: 0.875563979148865

00:11:46.650 --> 00:11:49.476 and I think that there's not as great a
NOTE Confidence: 0.875563979148865

00:11:49.476 --> 00:11:51.495 perception or understanding that this
NOTE Confidence: 0.875563979148865

00:11:51.495 --> 00:11:53.949 is really a cancer prevention vaccine,
NOTE Confidence: 0.875563979148865

00:11:53.950 --> 00:11:56.032 and so there's new survey
NOTE Confidence: 0.875563979148865

00:11:56.032 --> 00:11:58.251 data and studies going on that
NOTE Confidence: 0.875563979148865

00:11:58.251 --> 00:12:00.531 really shows that if more
NOTE Confidence: 0.875563979148865

00:12:00.531 --> 00:12:02.408 people appreciate that this
NOTE Confidence: 0.875563979148865

00:12:02.410 --> 00:12:04.594 vaccine has the potential
NOTE Confidence: 0.875563979148865

00:12:04.594 --> 00:12:07.199 and the ability to prevent cancers,
NOTE Confidence: 0.875563979148865

00:12:07.200 --> 00:12:09.594 those people are more likely to
NOTE Confidence: 0.875563979148865

00:12:09.594 --> 00:12:11.190 have their children vaccinated,
NOTE Confidence: 0.875563979148865

00:12:11.190 --> 00:12:13.703 so I think that there is some
NOTE Confidence: 0.875563979148865

00:12:13.703 --> 00:12:17.055 work to do in this area to explain
NOTE Confidence: 0.875563979148865

00:12:17.055 --> 00:12:18.366 the benefits of
NOTE Confidence: 0.862221479415894

00:12:18.370 --> 00:12:21.156 the vaccine.
NOTE Confidence: 0.862221479415894

00:12:21.160 --> 00:12:23.995 The other point that comes up is
NOTE Confidence: 0.862221479415894

00:12:24.000 --> 00:12:26.562 the fact that this cancer
NOTE Confidence: 0.862221479415894

00:12:26.562 --> 00:12:28.270 is not terribly common.
NOTE Confidence: 0.862221479415894

00:12:28.270 --> 00:12:31.259 As you said, it's not terribly rare,
NOTE Confidence: 0.862221479415894

00:12:31.260 --> 00:12:33.390 but it's not terribly common,
NOTE Confidence: 0.862221479415894

00:12:33.390 --> 00:12:36.162 and so I'm playing Devil's advocate
NOTE Confidence: 0.862221479415894

00:12:36.162 --> 00:12:39.368 here for the benefit of our listeners,
NOTE Confidence: 0.862221479415894

00:12:39.370 --> 00:12:41.510 who may have similar concerns.

NOTE Confidence: 0.862221479415894

00:12:41.510 --> 00:12:44.604 To really think about the risks of

NOTE Confidence: 0.862221479415894

00:12:44.604 --> 00:12:47.290 the vaccine versus the benefit in

NOTE Confidence: 0.862221479415894

00:12:47.290 --> 00:12:49.415 preventing a cancer that occurs

NOTE Confidence: 0.862221479415894

00:12:49.415 --> 00:12:51.952 in 4 to 5% of the population,

NOTE Confidence: 0.862221479415894

00:12:51.952 --> 00:12:54.316 can you speak to the data

NOTE Confidence: 0.862221479415894

00:12:54.316 --> 00:12:56.248 with regards to autism,

NOTE Confidence: 0.862221479415894

00:12:56.250 --> 00:12:58.560 which is something that

NOTE Confidence: 0.862221479415894

00:12:58.560 --> 00:13:00.578 Jenny McCarthy and other

NOTE Confidence: 0.862221479415894

00:13:00.578 --> 00:13:02.972 figures active in the anti vax

NOTE Confidence: 0.862221479415894

00:13:02.972 --> 00:13:05.090 movement have really promulgated.

NOTE Confidence: 0.862221479415894

00:13:05.090 --> 00:13:07.610 Is there any truth to that?

NOTE Confidence: 0.851973116397858

00:13:07.610 --> 00:13:10.978 I know certainly not with the HPV vaccine.

NOTE Confidence: 0.851973116397858

00:13:10.980 --> 00:13:13.578 There's really been no

NOTE Confidence: 0.851973116397858

00:13:13.580 --> 00:13:15.295 signs whatsoever over hundreds

NOTE Confidence: 0.851973116397858

00:13:15.295 --> 00:13:17.398 of millions of people that

NOTE Confidence: 0.851973116397858

00:13:17.398 --> 00:13:19.360 there is any association like that.
NOTE Confidence: 0.851973116397858

00:13:19.360 --> 00:13:21.624 The data that
NOTE Confidence: 0.851973116397858

00:13:21.624 --> 00:13:24.082 led to some of those claims has
NOTE Confidence: 0.851973116397858

00:13:24.082 --> 00:13:26.341 really been debunked as false data
NOTE Confidence: 0.851973116397858

00:13:26.341 --> 00:13:28.537 at this point for other vaccines.
NOTE Confidence: 0.851973116397858

00:13:28.540 --> 00:13:30.871 So I think that that's
NOTE Confidence: 0.851973116397858

00:13:30.871 --> 00:13:32.625 not really\ up-to-date
NOTE Confidence: 0.851973116397858

00:13:32.625 --> 00:13:34.998 with where we are in terms of
NOTE Confidence: 0.867987513542175

00:13:35.000 --> 00:13:36.360 understanding the side effects.
00:13:38.028 --> 00:13:40.423 I think that given its safety and
NOTE Confidence: 0.867987513542175

00:13:40.423 --> 00:13:42.698 the fact that it's been around for
NOTE Confidence: 0.867987513542175

00:13:42.698 --> 00:13:45.228 a long time and seems to almost
NOTE Confidence: 0.867987513542175

00:13:45.230 --> 00:13:46.427 completely eliminate cancer,
NOTE Confidence: 0.867987513542175

00:13:46.427 --> 00:13:48.023 whether it's cervical cancer
NOTE Confidence: 0.867987513542175

00:13:48.023 --> 00:13:50.219 for girls, head and neck cancers
NOTE Confidence: 0.867987513542175

00:13:50.220 --> 00:13:52.824 for both genders, it reduces the risk.
NOTE Confidence: 0.867987513542175

00:13:52.824 --> 00:13:55.209 general towards for what that's worth.
NOTE Confidence: 0.867987513542175

00:13:58.285 --> 00:14:00.210 Vaccine is really important.
NOTE Confidence: 0.867987513542175

00:14:00.210 --> 00:14:02.370 We're going to take a short
NOTE Confidence: 0.867987513542175

00:14:02.370 --> 00:14:04.430 break for a medical minute,
NOTE Confidence: 0.867987513542175

00:14:04.430 --> 00:14:05.958 and when we return,
NOTE Confidence: 0.867987513542175

00:14:05.958 --> 00:14:07.868 we'll talk more about treatment
NOTE Confidence: 0.867987513542175

00:14:07.868 --> 00:14:10.266 and diagnosis for head and neck
NOTE Confidence: 0.867987513542175

00:14:10.266 --> 00:14:12.490 cancers with my guest doctor Ben
NOTE Confidence: 0.83858060836792

00:14:12.490 --> 00:14:14.450 Judson.
NOTE Confidence: 0.83858060836792

00:14:14.450 --> 00:14:16.018 Support for Yale Cancer Answers comes from
AstraZeneca,
NOTE Confidence: 0.83858060836792

00:14:16.020 --> 00:14:17.553 a biopharmaceutical business
NOTE Confidence: 0.83858060836792

00:14:17.553 --> 00:14:20.619 with a deep rooted heritage in
NOTE Confidence: 0.83858060836792

00:14:20.619 --> 00:14:24.180 oncology and a commitment to
NOTE Confidence: 0.83858060836792

00:14:24.180 --> 00:14:27.152 developing cancer medicines for
NOTE Confidence: 0.83858060836792

00:14:27.152 --> 00:14:27.895 patients. Learn more at astrazeneca-us.com.
NOTE Confidence: 0.912232518196106

00:14:29.990 --> 00:14:33.749 This is a medical minute about survivorship.

NOTE Confidence: 0.912232518196106

00:14:33.750 --> 00:14:35.438 Completing treatment for cancer

NOTE Confidence: 0.912232518196106

00:14:35.438 --> 00:14:37.548 is a very exciting milestone,

NOTE Confidence: 0.912232518196106

00:14:37.550 --> 00:14:40.772 but cancer and its treatment can be a life

NOTE Confidence: 0.912232518196106

00:14:40.772 --> 00:14:43.457 changing experience for cancer survivors.

NOTE Confidence: 0.912232518196106

00:14:43.460 --> 00:14:45.992 The return to normal activities and

NOTE Confidence: 0.912232518196106

00:14:45.992 --> 00:14:48.138 relationships can be difficult and

NOTE Confidence: 0.912232518196106

00:14:48.138 --> 00:14:50.478 some survivors face long term side

NOTE Confidence: 0.912232518196106

00:14:50.478 --> 00:14:52.740 effects resulting from their treatment,

NOTE Confidence: 0.912232518196106

00:14:52.740 --> 00:14:54.003 including heart problems,

NOTE Confidence: 0.912232518196106

00:14:54.003 --> 00:14:55.266 osteoporosis, fertility issues,

NOTE Confidence: 0.912232518196106

00:14:55.270 --> 00:14:58.224 and an increased risk of 2nd cancers.

NOTE Confidence: 0.912232518196106

00:14:58.230 --> 00:15:00.420 Resources are available to help

NOTE Confidence: 0.912232518196106

00:15:00.420 --> 00:15:02.172 keep cancer survivors well and

NOTE Confidence: 0.912232518196106

00:15:02.172 --> 00:15:03.858 focused on healthy living.

NOTE Confidence: 0.912232518196106

00:15:03.860 --> 00:15:05.940 More information is available

NOTE Confidence: 0.912232518196106
00:15:05.940 --> 00:15:06.980 at yalecancercenter.org.
NOTE Confidence: 0.912232518196106
00:15:06.980 --> 00:15:10.100 You're listening to Connecticut public radio.
NOTE Confidence: 0.849637746810913
00:15:11.210 --> 00:15:13.370 Welcome back to Yale Cancer Answers.
NOTE Confidence: 0.849637746810913
00:15:13.370 --> 00:15:16.420 This is doctor Anees Chagpar and I am
NOTE Confidence: 0.849637746810913
00:15:16.498 --> 00:15:19.850 joined tonight by my guest doctor Ben Judson.
NOTE Confidence: 0.849637746810913
00:15:19.850 --> 00:15:21.855 We're talking about patients with
NOTE Confidence: 0.849637746810913
00:15:21.855 --> 00:15:24.667 head and neck cancer and right before
NOTE Confidence: 0.849637746810913
00:15:24.667 --> 00:15:27.229 the break we were talking about the
NOTE Confidence: 0.849637746810913
00:15:27.229 --> 00:15:29.752 fact that HPV is actually
NOTE Confidence: 0.849637746810913
00:15:29.752 --> 00:15:31.846 causing a lot of throat cancers
NOTE Confidence: 0.849637746810913
00:15:31.846 --> 00:15:34.147 that we see and this is entirely
NOTE Confidence: 0.849637746810913
00:15:34.147 --> 00:15:36.769 preventable with the HPV vaccine now.
NOTE Confidence: 0.849637746810913
00:15:36.770 --> 00:15:39.486 We talked a little bit about risks
NOTE Confidence: 0.849637746810913
00:15:39.486 --> 00:15:42.248 and benefits and it seems to me that
NOTE Confidence: 0.849637746810913
00:15:42.250 --> 00:15:44.974 with millions and millions
NOTE Confidence: 0.849637746810913

00:15:44.974 --> 00:15:47.660 of doses being given over many,
NOTE Confidence: 0.849637746810913

00:15:47.660 --> 00:15:50.228 many years, we really do have
NOTE Confidence: 0.849637746810913

00:15:50.228 --> 00:15:52.973 the data that suggests that this
NOTE Confidence: 0.849637746810913

00:15:52.973 --> 00:15:55.328 vaccine is safe and effective.
NOTE Confidence: 0.849637746810913

00:15:55.330 --> 00:15:58.874 But I wanted to
NOTE Confidence: 0.849637746810913

00:15:58.874 --> 00:16:02.087 ask who should be
NOTE Confidence: 0.860365962982178

00:16:02.090 --> 00:16:03.398 vaccinated and when?
NOTE Confidence: 0.860365962982178

00:16:03.398 --> 00:16:05.542 Terrific question, so the guidelines
NOTE Confidence: 0.860365962982178

00:16:05.542 --> 00:16:08.985 now for males and females who are
NOTE Confidence: 0.860365962982178

00:16:08.985 --> 00:16:12.073 under the age of 26 to be vaccinated.
NOTE Confidence: 0.860365962982178

00:16:12.080 --> 00:16:13.796 Usually the recommendation is
NOTE Confidence: 0.860365962982178

00:16:13.796 --> 00:16:16.832 for the first dose to be given
NOTE Confidence: 0.860365962982178

00:16:16.832 --> 00:16:19.450 when someone is around 11 or 12
NOTE Confidence: 0.860365962982178

00:16:19.450 --> 00:16:21.950 years old with one second dose.
NOTE Confidence: 0.860365962982178

00:16:21.950 --> 00:16:24.452 And the thought for that timing is that
NOTE Confidence: 0.860365962982178

00:16:24.452 --> 00:16:26.567 the vaccination then has

NOTE Confidence: 0.860365962982178
00:16:26.567 --> 00:16:28.811 time to work before
NOTE Confidence: 0.860365962982178
00:16:28.811 --> 00:16:30.580 they are potentially exposed,
NOTE Confidence: 0.860365962982178
00:16:30.580 --> 00:16:32.630 likely years down the road.
NOTE Confidence: 0.860365962982178
00:16:32.630 --> 00:16:35.144 The change in this area has
NOTE Confidence: 0.860365962982178
00:16:35.144 --> 00:16:36.820 been that the CDC
NOTE Confidence: 0.860365962982178
00:16:36.820 --> 00:16:38.197 broadened the recommendation
NOTE Confidence: 0.860365962982178
00:16:38.197 --> 00:16:40.033 to consider vaccination for
NOTE Confidence: 0.860365962982178
00:16:40.033 --> 00:16:42.370 anyone up to 45 years old.
NOTE Confidence: 0.905379414558411
00:16:43.130 --> 00:16:46.226 I think that that's so important,
NOTE Confidence: 0.905379414558411
00:16:46.230 --> 00:16:48.778 but one of the
NOTE Confidence: 0.905379414558411
00:16:48.778 --> 00:16:51.279 issues that I always ask is,
NOTE Confidence: 0.905379414558411
00:16:51.280 --> 00:16:53.566 many of our listeners
NOTE Confidence: 0.905379414558411
00:16:53.566 --> 00:16:55.930 who may be hearing this show,
NOTE Confidence: 0.905379414558411
00:16:55.930 --> 00:16:58.646 may be saying, I'm 47,
NOTE Confidence: 0.905379414558411
00:16:58.646 --> 00:17:00.198 I'm 48, I'm 52.
NOTE Confidence: 0.905379414558411

00:17:00.200 --> 00:17:01.844 I'm outside that window,
NOTE Confidence: 0.905379414558411

00:17:01.844 --> 00:17:04.550 but I really want to
NOTE Confidence: 0.905379414558411

00:17:04.550 --> 00:17:06.430 get vaccinated because I'm not
NOTE Confidence: 0.905379414558411

00:17:06.505 --> 00:17:09.160 particularly keen on getting cancer.
NOTE Confidence: 0.905379414558411

00:17:09.160 --> 00:17:12.624 What do you do in that older population?
00:17:15.120 --> 00:17:17.367 We don't know for sure the benefit,
NOTE Confidence: 0.855477571487427

00:17:19.630 --> 00:17:21.912 I mean the benefit is
NOTE Confidence: 0.855477571487427

00:17:21.912 --> 00:17:23.876 overwhelming for those that are under
NOTE Confidence: 0.855477571487427

00:17:23.876 --> 00:17:26.025 26 in terms of preventing
NOTE Confidence: 0.855477571487427

00:17:26.091 --> 00:17:28.324 cancers and the issues
NOTE Confidence: 0.855477571487427

00:17:28.324 --> 00:17:30.220 or side effects from
NOTE Confidence: 0.855477571487427

00:17:30.220 --> 00:17:32.830 treatment as well as the risk of death.
NOTE Confidence: 0.855477571487427

00:17:32.830 --> 00:17:34.440 So that is for sure.
NOTE Confidence: 0.855477571487427

00:17:34.440 --> 00:17:37.660 I think in that group that are 27 to 45,
NOTE Confidence: 0.855477571487427

00:17:37.660 --> 00:17:39.532 there is a suggestion that
NOTE Confidence: 0.855477571487427

00:17:39.532 --> 00:17:41.200 there's a real benefit there.
NOTE Confidence: 0.855477571487427

00:17:41.200 --> 00:17:43.048 That's where we have this
NOTE Confidence: 0.855477571487427

00:17:43.048 --> 00:17:44.780 sort of soft recommendation
NOTE Confidence: 0.855477571487427

00:17:44.780 --> 00:17:46.890 to consider vaccination in that
NOTE Confidence: 0.855477571487427

00:17:46.890 --> 00:17:49.969 age group and we just don't know
NOTE Confidence: 0.855477571487427

00:17:49.969 --> 00:17:52.184 beyond that whether the size
NOTE Confidence: 0.866093695163727

00:17:52.190 --> 00:17:54.854 of the benefit to getting vaccination
NOTE Confidence: 0.866093695163727

00:17:54.854 --> 00:17:58.487 and is the reason why we've kind of
NOTE Confidence: 0.866093695163727

00:17:58.487 --> 00:18:01.151 looked at those particular age ranges
NOTE Confidence: 0.866093695163727

00:18:01.233 --> 00:18:04.054 as being the age ranges
NOTE Confidence: 0.866093695163727

00:18:04.054 --> 00:18:06.578 where people are most likely to
NOTE Confidence: 0.866093695163727

00:18:06.578 --> 00:18:09.630 be sexually active.
NOTE Confidence: 0.866093695163727

00:18:09.630 --> 00:18:12.138 So you would imagine that people
NOTE Confidence: 0.866093695163727

00:18:12.138 --> 00:18:15.246 who are in their 50s may have
NOTE Confidence: 0.866093695163727

00:18:15.246 --> 00:18:17.486 already come in contact with
NOTE Confidence: 0.866093695163727

00:18:17.490 --> 00:18:18.790 the virus and therefore
NOTE Confidence: 0.866093695163727

00:18:18.790 --> 00:18:20.415 vaccination may be less effective.

NOTE Confidence: 0.866093695163727

00:18:20.420 --> 00:18:21.389 That is absolutely

NOTE Confidence: 0.871430814266205

00:18:21.390 --> 00:18:23.328 right. The idea is to vaccinate

NOTE Confidence: 0.871430814266205

00:18:23.328 --> 00:18:25.000 people before they could possibly

NOTE Confidence: 0.871430814266205

00:18:25.000 --> 00:18:26.585 be exposed to the virus.

NOTE Confidence: 0.871430814266205

00:18:26.590 --> 00:18:29.026 That's why it's as young as the

NOTE Confidence: 0.871430814266205

00:18:29.026 --> 00:18:31.146 recommendations are

NOTE Confidence: 0.871430814266205

00:18:31.146 --> 00:18:33.156 for the initial vaccination and

NOTE Confidence: 0.871430814266205

00:18:33.156 --> 00:18:35.780 it's less known as we get

NOTE Confidence: 0.871430814266205

00:18:35.780 --> 00:18:37.970 older and we're more likely,

NOTE Confidence: 0.871430814266205

00:18:37.970 --> 00:18:40.570 as I mentioned, 80 to 90% of us

NOTE Confidence: 0.871430814266205

00:18:40.570 --> 00:18:42.520 have been exposed to the virus.

NOTE Confidence: 0.871430814266205

00:18:42.520 --> 00:18:44.145 The potential benefit of the

NOTE Confidence: 0.871430814266205

00:18:44.145 --> 00:18:45.770 vaccination later on is less

NOTE Confidence: 0.871430814266205

00:18:45.770 --> 00:18:47.720 understood or less known.

00:18:49.232 --> 00:18:52.801 I mean if you have people who have

NOTE Confidence: 0.876361548900604

00:18:52.801 --> 00:18:55.797 not been sexually active until their 50s

NOTE Confidence: 0.876361548900604
00:18:55.800 --> 00:18:58.621 for example, maybe they were
NOTE Confidence: 0.876361548900604
00:18:58.621 --> 00:19:00.967 for religious reasons or other reasons
NOTE Confidence: 0.876361548900604
00:19:00.967 --> 00:19:03.452 really did not engage but wanted to
NOTE Confidence: 0.876361548900604
00:19:03.526 --> 00:19:05.846 be vaccinated before they started.
NOTE Confidence: 0.876361548900604
00:19:05.850 --> 00:19:07.860 Whether that's something to consider.
NOTE Confidence: 0.876361548900604
00:19:07.860 --> 00:19:10.723 But it sounds like we're not there
NOTE Confidence: 0.876361548900604
00:19:10.723 --> 00:19:13.490 yet in terms of the data,
NOTE Confidence: 0.876361548900604
00:19:13.490 --> 00:19:15.098 it sounds very reasonable,
NOTE Confidence: 0.876361548900604
00:19:15.098 --> 00:19:17.510 but we just don't know yet
NOTE Confidence: 0.876361548900604
00:19:17.510 --> 00:19:19.118 based on the data.
NOTE Confidence: 0.894154727458954
00:19:24.356 --> 00:19:26.346 Let's suppose you weren't vaccinated.
NOTE Confidence: 0.894154727458954
00:19:26.350 --> 00:19:28.834 What are the signs and symptoms
NOTE Confidence: 0.894154727458954
00:19:28.834 --> 00:19:31.695 that you should look out for in
NOTE Confidence: 0.894154727458954
00:19:31.695 --> 00:19:33.927 terms of head and neck cancers?
NOTE Confidence: 0.894154727458954
00:19:33.930 --> 00:19:36.981 And I mean we talked at the
NOTE Confidence: 0.894154727458954

00:19:36.981 --> 00:19:39.937 top of the show about this being
NOTE Confidence: 0.894154727458954

00:19:39.937 --> 00:19:42.960 a basket of really heterogeneous
NOTE Confidence: 0.894154727458954

00:19:42.960 --> 00:19:45.520 diseases right?
NOTE Confidence: 0.894154727458954

00:19:45.520 --> 00:19:49.498 I would
NOTE Confidence: 0.894154727458954

00:19:49.498 --> 00:19:52.886 imagine that there are so many
NOTE Confidence: 0.894154727458954

00:19:52.886 --> 00:19:55.726 varied symptoms that could
NOTE Confidence: 0.894154727458954

00:19:55.836 --> 00:19:59.308 be signs of head and neck cancer.
NOTE Confidence: 0.919163703918457

00:19:59.840 --> 00:20:01.124 I think that's right.
00:20:03.930 --> 00:20:05.262 In some ways,
NOTE Confidence: 0.919163703918457

00:20:05.262 --> 00:20:07.260 one of the pitfalls that we've
NOTE Confidence: 0.919163703918457

00:20:07.338 --> 00:20:09.588 seen is that with HPV related
NOTE Confidence: 0.919163703918457

00:20:09.588 --> 00:20:11.663 cancers these cancers are arising
NOTE Confidence: 0.919163703918457

00:20:11.663 --> 00:20:14.163 in younger otherwise very healthy
NOTE Confidence: 0.919163703918457

00:20:14.163 --> 00:20:16.540 individuals without real risk factors.
NOTE Confidence: 0.919163703918457

00:20:16.540 --> 00:20:18.390 The vast majority of patients
NOTE Confidence: 0.919163703918457

00:20:18.390 --> 00:20:20.839 with an HPV related cancer
NOTE Confidence: 0.919163703918457

00:20:20.839 --> 00:20:23.509 present with a painless neck mass,
NOTE Confidence: 0.919163703918457

00:20:23.510 --> 00:20:26.813 a physical lump in the neck that they can
NOTE Confidence: 0.919163703918457

00:20:26.813 --> 00:20:30.444 see and feel and they otherwise feel fine,
NOTE Confidence: 0.919163703918457

00:20:30.450 --> 00:20:34.570 and so there's a little bit of a tendency to
NOTE Confidence: 0.919163703918457

00:20:34.570 --> 00:20:35.970 put that off like
NOTE Confidence: 0.919163703918457

00:20:35.970 --> 00:20:37.930 I feel fine and
NOTE Confidence: 0.919163703918457

00:20:41.010 --> 00:20:42.618 living my life and
NOTE Confidence: 0.919163703918457

00:20:42.618 --> 00:20:44.369 so they might not seek
NOTE Confidence: 0.919163703918457

00:20:45.490 --> 00:20:46.890 medical care early,
NOTE Confidence: 0.919163703918457

00:20:46.890 --> 00:20:48.773 but that is the
NOTE Confidence: 0.919163703918457

00:20:48.773 --> 00:20:50.249 leading presentation of this cancer.
NOTE Confidence: 0.919163703918457

00:20:50.250 --> 00:20:52.482 And so one of the
NOTE Confidence: 0.919163703918457

00:20:52.482 --> 00:20:54.356 recommendations is that
NOTE Confidence: 0.919163703918457

00:20:54.356 --> 00:20:56.689 someone who has a mass in the neck,
NOTE Confidence: 0.919163703918457

00:20:56.690 --> 00:20:58.226 even if you otherwise feel great
NOTE Confidence: 0.919163703918457

00:20:58.226 --> 00:20:59.770 and have no other symptoms,

NOTE Confidence: 0.919163703918457
00:20:59.770 --> 00:21:02.290 and if it's there for more than four weeks,
NOTE Confidence: 0.919163703918457
00:21:02.290 --> 00:21:04.006 you should see your
NOTE Confidence: 0.919163703918457
00:21:04.006 --> 00:21:05.370 physician about it.
NOTE Confidence: 0.919163703918457
00:21:05.370 --> 00:21:06.490 See someone about it.
NOTE Confidence: 0.862156450748444
00:21:06.600 --> 00:21:09.400 And what's the age range that
NOTE Confidence: 0.862156450748444
00:21:09.400 --> 00:21:11.638 we typically see these cancers in?
NOTE Confidence: 0.862156450748444
00:21:11.640 --> 00:21:14.280 You mentioned if you're
NOTE Confidence: 0.862156450748444
00:21:14.280 --> 00:21:16.318 an otherwise healthy young person,
NOTE Confidence: 0.862156450748444
00:21:16.320 --> 00:21:18.120 are young people really the
NOTE Confidence: 0.862156450748444
00:21:18.120 --> 00:21:19.560 ones getting this disease,
NOTE Confidence: 0.862156450748444
00:21:19.560 --> 00:21:21.864 or are they at lower risk and this
NOTE Confidence: 0.862156450748444
00:21:21.864 --> 00:21:23.833 is really something that people
NOTE Confidence: 0.862156450748444
00:21:23.833 --> 00:21:26.043 should worry about when they're
NOTE Confidence: 0.862156450748444
00:21:26.043 --> 00:21:28.560 pushing into their 70s and 80s?
NOTE Confidence: 0.862156450748444
00:21:28.560 --> 00:21:30.660 I think that the smoking drinking
NOTE Confidence: 0.862156450748444

00:21:30.660 --> 00:21:32.489 related head neck cancers that
NOTE Confidence: 0.862156450748444

00:21:32.489 --> 00:21:34.319 we see happen most frequently
NOTE Confidence: 0.862156450748444

00:21:34.320 --> 00:21:37.520 in people who are in their 60s,
NOTE Confidence: 0.862156450748444

00:21:37.520 --> 00:21:39.220 somewhat later in life,
NOTE Confidence: 0.862156450748444

00:21:41.830 --> 00:21:43.684 having a longer time
NOTE Confidence: 0.862156450748444

00:21:43.684 --> 00:21:46.193 of exposure to
NOTE Confidence: 0.862156450748444

00:21:46.193 --> 00:21:48.005 the risky effects of tobacco
NOTE Confidence: 0.862156450748444

00:21:48.077 --> 00:21:50.548 and alcohol. With HPV we're seeing
NOTE Confidence: 0.862156450748444

00:21:50.548 --> 00:21:52.278 these cancers younger and younger,
NOTE Confidence: 0.862156450748444

00:21:52.278 --> 00:21:55.330 and so the peak age of these cancers is
NOTE Confidence: 0.862156450748444

00:21:55.330 --> 00:21:58.096 actually in their 40s and we see it
NOTE Confidence: 0.862156450748444

00:21:58.096 --> 00:22:01.060 at all ages we can see younger and older,
NOTE Confidence: 0.862156450748444

00:22:01.060 --> 00:22:02.364 but it definitely isn't
NOTE Confidence: 0.862156450748444

00:22:02.364 --> 00:22:03.668 happening in younger patients,
NOTE Confidence: 0.863884091377258

00:22:03.670 --> 00:22:05.974 and I think that that's so critical for
NOTE Confidence: 0.863884091377258

00:22:05.974 --> 00:22:08.150 people to really understand because,

NOTE Confidence: 0.863884091377258

00:22:08.150 --> 00:22:11.813 being in my 40s, I can tell you that

NOTE Confidence: 0.863884091377258

00:22:11.813 --> 00:22:15.520 you do kind of feel invincible, right?

NOTE Confidence: 0.863884091377258

00:22:15.520 --> 00:22:17.320 You're healthy, you don't

NOTE Confidence: 0.863884091377258

00:22:17.320 --> 00:22:20.600 really need to go to the doctor.

NOTE Confidence: 0.863884091377258

00:22:20.600 --> 00:22:21.575 Everything is good.

NOTE Confidence: 0.863884091377258

00:22:21.575 --> 00:22:23.525 And you certainly don't think you're

NOTE Confidence: 0.863884091377258

00:22:23.525 --> 00:22:25.602 gonna get cancer, but it can occur.

NOTE Confidence: 0.863884091377258

00:22:25.602 --> 00:22:26.436 That's so true.

NOTE Confidence: 0.863884091377258

00:22:26.440 --> 00:22:28.400 And so often peoples in their

NOTE Confidence: 0.867117881774902

00:22:28.400 --> 00:22:30.068 40s are busy with life.

NOTE Confidence: 0.867117881774902

00:22:30.070 --> 00:22:32.572 You know they've got jobs and whatever it is,

NOTE Confidence: 0.867117881774902

00:22:32.580 --> 00:22:34.260 and so their time for cancer,

NOTE Confidence: 0.867117881774902

00:22:34.260 --> 00:22:36.464 they don't have time for this and

NOTE Confidence: 0.867117881774902

00:22:36.464 --> 00:22:38.496 they are less likely to go get it

NOTE Confidence: 0.867117881774902

00:22:38.496 --> 00:22:40.300 checked out 'cause they're just too busy.

00:22:47.140 --> 00:22:49.162 What are the other other symptoms

NOTE Confidence: 0.883634328842163

00:22:49.162 --> 00:22:50.810 that people should look for?

NOTE Confidence: 0.883634328842163

00:22:50.810 --> 00:22:53.322 I mean a painless lump in the neck

NOTE Confidence: 0.883634328842163

00:22:53.322 --> 00:22:55.057 is certainly something that

NOTE Confidence: 0.883634328842163

00:22:55.057 --> 00:22:57.486 should be a red flag for people,

NOTE Confidence: 0.883634328842163

00:22:57.490 --> 00:22:58.878 even though it's painless,

NOTE Confidence: 0.883634328842163

00:22:58.878 --> 00:23:00.960 and I think that's the other

NOTE Confidence: 0.883634328842163

00:23:01.024 --> 00:23:03.166 thing is that people say

NOTE Confidence: 0.883634328842163

00:23:03.170 --> 00:23:05.180 if it's not causing me pain,

NOTE Confidence: 0.883634328842163

00:23:05.180 --> 00:23:06.328 it can't be bad,

NOTE Confidence: 0.883634328842163

00:23:06.328 --> 00:23:08.512 but we know that with so many

NOTE Confidence: 0.883634328842163

00:23:08.512 --> 00:23:10.846 cancers that simply is not the case.

NOTE Confidence: 0.769684433937073

00:23:11.390 --> 00:23:13.700 That's right, and

00:23:21.960 --> 00:23:23.886 one of the symptoms, potential

NOTE Confidence: 0.769684433937073

00:23:23.886 --> 00:23:26.456 symptoms, is a sore throat or pain

NOTE Confidence: 0.769684433937073

00:23:26.456 --> 00:23:28.076 or difficulty with swallowing.

NOTE Confidence: 0.769684433937073

00:23:28.080 --> 00:23:30.390 Obviously this happens to

NOTE Confidence: 0.769684433937073
00:23:30.390 --> 00:23:33.723 all of us as a result of an infection
NOTE Confidence: 0.769684433937073
00:23:33.723 --> 00:23:35.999 or tonsillitis or something like that,
NOTE Confidence: 0.769684433937073
00:23:36.000 --> 00:23:38.070 but if that persists for more
NOTE Confidence: 0.769684433937073
00:23:38.070 --> 00:23:39.960 than three to four weeks,
NOTE Confidence: 0.769684433937073
00:23:39.960 --> 00:23:42.480 that is another reason to
NOTE Confidence: 0.769684433937073
00:23:42.480 --> 00:23:44.280 seek medical attention.
NOTE Confidence: 0.769684433937073
00:23:44.280 --> 00:23:46.080 Similarly, hoarseness of voice again,
NOTE Confidence: 0.769684433937073
00:23:46.080 --> 00:23:47.115 usually not cancer.
NOTE Confidence: 0.769684433937073
00:23:47.115 --> 00:23:50.400 We all get that at one point or another,
NOTE Confidence: 0.769684433937073
00:23:50.400 --> 00:23:53.712 but if it persists for more than four weeks
NOTE Confidence: 0.769684433937073
00:23:53.720 --> 00:23:55.574 that probably makes sense to seek
NOTE Confidence: 0.769684433937073
00:23:55.574 --> 00:23:57.279 medical attention for that as well.
NOTE Confidence: 0.769684433937073
00:23:57.280 --> 00:23:58.180 Yeah, it seems
NOTE Confidence: 0.895612299442291
00:23:58.180 --> 00:24:00.364 like that four week mark is really
NOTE Confidence: 0.895612299442291
00:24:00.364 --> 00:24:02.039 when people should start saying,
NOTE Confidence: 0.895612299442291

00:24:02.040 --> 00:24:03.810 you know, something
NOTE Confidence: 0.895612299442291

00:24:03.810 --> 00:24:06.211 that you get out of the blue if
NOTE Confidence: 0.895612299442291

00:24:06.211 --> 00:24:07.682 it's been persistent, it's really
NOTE Confidence: 0.895612299442291

00:24:07.682 --> 00:24:09.754 something that you need to look for.
00:24:16.000 --> 00:24:19.073 I had a
NOTE Confidence: 0.87310004234314

00:24:19.073 --> 00:24:21.860 friend who had a nosebleed,
NOTE Confidence: 0.87310004234314

00:24:21.860 --> 00:24:24.788 really young guy, 20-22 years old.
NOTE Confidence: 0.87310004234314

00:24:24.790 --> 00:24:28.686 I think you may have heard about him
NOTE Confidence: 0.87310004234314

00:24:28.690 --> 00:24:32.322 because I sent him to you who
NOTE Confidence: 0.87310004234314

00:24:32.322 --> 00:24:34.550 presented with a nosebleed.
NOTE Confidence: 0.87310004234314

00:24:34.550 --> 00:24:37.478 So simple things like that,
NOTE Confidence: 0.87310004234314

00:24:37.480 --> 00:24:39.930 you think
NOTE Confidence: 0.87310004234314

00:24:39.930 --> 00:24:42.380 it's a nosebleed but
NOTE Confidence: 0.87310004234314

00:24:42.380 --> 00:24:44.730 things like that can happen.
00:24:47.240 --> 00:24:48.914 It goes back to what we
NOTE Confidence: 0.879721224308014

00:24:48.914 --> 00:24:50.030 were talking about before.
NOTE Confidence: 0.879721224308014

00:24:50.030 --> 00:24:51.997 It's the patients who are

NOTE Confidence: 0.879721224308014
00:24:51.997 --> 00:24:53.660 young and healthy and feel fine.
NOTE Confidence: 0.879721224308014
00:24:53.660 --> 00:24:55.055 They're more likely to
NOTE Confidence: 0.879721224308014
00:24:55.055 --> 00:24:56.450 blow off these things.
NOTE Confidence: 0.879721224308014
00:24:56.450 --> 00:24:58.396 And most likely
00:24:59.520 --> 00:25:01.192 99% of the time,
NOTE Confidence: 0.879721224308014
00:25:01.192 --> 00:25:01.748 it's nothing.
00:25:03.418 --> 00:25:04.252 But sometimes it's something,
NOTE Confidence: 0.879721224308014
00:25:04.260 --> 00:25:06.220 and so it is just a reminder,
NOTE Confidence: 0.879721224308014
00:25:06.220 --> 00:25:07.615 if something is not going
NOTE Confidence: 0.879721224308014
00:25:07.615 --> 00:25:09.010 away or not getting better,
NOTE Confidence: 0.879721224308014
00:25:09.568 --> 00:25:10.405 it's certainly worth
NOTE Confidence: 0.879721224308014
00:25:10.405 --> 00:25:11.800 having someone take a look.
NOTE Confidence: 0.879721224308014
00:25:11.800 --> 00:25:12.350 And sometimes
NOTE Confidence: 0.879721224308014
00:25:12.350 --> 00:25:14.030 there's some things that are really bad
NOTE Confidence: 0.879721224308014
00:25:14.030 --> 00:25:15.460 like what happened
NOTE Confidence: 0.879721224308014
00:25:15.460 --> 00:25:17.140 to my friend. so can you talk
NOTE Confidence: 0.879721224308014

00:25:17.140 --> 00:25:19.894 a little bit about the
NOTE Confidence: 0.879721224308014

00:25:19.894 --> 00:25:23.020 prognosis for head and neck cancers,
NOTE Confidence: 0.879721224308014

00:25:23.020 --> 00:25:26.219 and I realized that again it's a
NOTE Confidence: 0.879721224308014

00:25:26.219 --> 00:25:28.410 heterogeneous bucket of diseases,
NOTE Confidence: 0.879721224308014

00:25:28.410 --> 00:25:30.370 but in general, how
NOTE Confidence: 0.864123046398163

00:25:30.370 --> 00:25:31.462 do people fair?
NOTE Confidence: 0.864123046398163

00:25:31.462 --> 00:25:32.918 You mentioned it varies.
NOTE Confidence: 0.864123046398163

00:25:32.920 --> 00:25:34.796 You know it varies on the type,
NOTE Confidence: 0.864123046398163

00:25:34.800 --> 00:25:36.140 the specific type and the
NOTE Confidence: 0.864123046398163

00:25:36.140 --> 00:25:37.480 stage at which they present.
NOTE Confidence: 0.864123046398163

00:25:37.480 --> 00:25:39.622 So all the more reason to come in
NOTE Confidence: 0.864123046398163

00:25:39.622 --> 00:25:42.026 and get it checked out and found earlier.
NOTE Confidence: 0.864123046398163

00:25:43.680 --> 00:25:44.470 Interestingly
NOTE Confidence: 0.864123046398163

00:25:44.470 --> 00:25:47.235 the prognosis with HPV related cancers
NOTE Confidence: 0.864123046398163

00:25:47.235 --> 00:25:49.679 is much better than with the other
NOTE Confidence: 0.864123046398163

00:25:49.679 --> 00:25:52.390 types of head neck cancers that we see.

NOTE Confidence: 0.864123046398163

00:25:52.390 --> 00:25:53.479 Like for example,

NOTE Confidence: 0.864123046398163

00:25:53.479 --> 00:25:55.294 the smoking drinking related cancer.

NOTE Confidence: 0.864123046398163

00:25:55.300 --> 00:25:57.484 So the vast majority of patients

NOTE Confidence: 0.864123046398163

00:25:57.484 --> 00:25:59.650 with HPV related cancers are cured.

NOTE Confidence: 0.864123046398163

00:25:59.650 --> 00:26:02.938 Cure rates are in the 70 to 90% range.

NOTE Confidence: 0.864123046398163

00:26:02.938 --> 00:26:04.450 There are certainly side

NOTE Confidence: 0.864123046398163

00:26:04.450 --> 00:26:06.340 effects from treatment and so

NOTE Confidence: 0.864123046398163

00:26:06.406 --> 00:26:08.356 our goal is really

NOTE Confidence: 0.864123046398163

00:26:08.360 --> 00:26:10.180 to maximize that cure,

NOTE Confidence: 0.864123046398163

00:26:10.180 --> 00:26:12.478 but also try to

NOTE Confidence: 0.864123046398163

00:26:12.478 --> 00:26:14.539 minimize the side effects of any

NOTE Confidence: 0.837356792046474

00:26:14.540 --> 00:26:17.543 treatment.

NOTE Confidence: 0.837356792046474

00:26:17.543 --> 00:26:21.280 And the prognosis can be

NOTE Confidence: 0.837356792046474

00:26:21.280 --> 00:26:24.430 across the board, it can be varied.

NOTE Confidence: 0.837356792046474

00:26:24.430 --> 00:26:26.680 It can be very good.

NOTE Confidence: 0.837356792046474

00:26:26.680 --> 00:26:29.632 It can be not so good.
NOTE Confidence: 0.837356792046474

00:26:29.632 --> 00:26:32.079 Talk a little bit about treatments.
NOTE Confidence: 0.837356792046474

00:26:32.080 --> 00:26:34.590 Now, granted, treatments are going
NOTE Confidence: 0.837356792046474

00:26:34.590 --> 00:26:37.960 to vary based on whether this is
NOTE Confidence: 0.837356792046474

00:26:37.960 --> 00:26:40.641 found at an early stage or whether
NOTE Confidence: 0.837356792046474

00:26:40.641 --> 00:26:43.329 it is spread and metastatic.
NOTE Confidence: 0.837356792046474

00:26:43.330 --> 00:26:46.970 But on this show we frequently talk about
NOTE Confidence: 0.837356792046474

00:26:46.970 --> 00:26:48.742 personalized medicine about a
NOTE Confidence: 0.837356792046474

00:26:48.742 --> 00:26:50.071 multidisciplinary approach about
NOTE Confidence: 0.837356792046474

00:26:50.071 --> 00:26:52.626 all of the things that have
NOTE Confidence: 0.837356792046474

00:26:52.626 --> 00:26:54.566 evolved overtime that can improve
NOTE Confidence: 0.837356792046474

00:26:54.566 --> 00:26:56.499 treatment and patients outlooks.
NOTE Confidence: 0.837356792046474

00:26:56.500 --> 00:26:58.954 So how do you approach patients
NOTE Confidence: 0.837356792046474

00:26:58.954 --> 00:27:01.260 who have had neck cancer?
NOTE Confidence: 0.837356792046474

00:27:01.260 --> 00:27:03.420 Well, one part of this
NOTE Confidence: 0.876211166381836

00:27:03.420 --> 00:27:06.472 that I'm just passionate about is that

NOTE Confidence: 0.876211166381836

00:27:06.472 --> 00:27:10.000 it's so apparent to me working in this

NOTE Confidence: 0.876211166381836

00:27:10.000 --> 00:27:12.636 field that how patients do

NOTE Confidence: 0.876211166381836

00:27:12.636 --> 00:27:15.548 depends on the team that surround them.

NOTE Confidence: 0.876211166381836

00:27:15.550 --> 00:27:19.014 And so you know, I'm a surgeon and

NOTE Confidence: 0.876211166381836

00:27:19.020 --> 00:27:21.610 that's one potential treatment for a patient.

NOTE Confidence: 0.876211166381836

00:27:21.610 --> 00:27:23.090 Other treatments are chemotherapy

NOTE Confidence: 0.876211166381836

00:27:23.090 --> 00:27:24.476 or immunotherapy, or radiation.

NOTE Confidence: 0.876211166381836

00:27:24.476 --> 00:27:26.091 But it's critical

NOTE Confidence: 0.876211166381836

00:27:26.091 --> 00:27:27.900 to have a nutritionist, a

NOTE Confidence: 0.876211166381836

00:27:27.900 --> 00:27:29.380 speech language pathologist,

NOTE Confidence: 0.876211166381836

00:27:29.380 --> 00:27:30.490 physical therapists,

NOTE Confidence: 0.876211166381836

00:27:30.490 --> 00:27:32.340 a social worker,

NOTE Confidence: 0.876211166381836

00:27:32.340 --> 00:27:34.900 all part of the team and really

NOTE Confidence: 0.876211166381836

00:27:34.900 --> 00:27:37.629 how people do depends on

NOTE Confidence: 0.876211166381836

00:27:37.629 --> 00:27:40.091 having that whole team around the

NOTE Confidence: 0.876211166381836

00:27:40.091 --> 00:27:42.695 patient to help get them through it and
00:27:44.204 --> 00:27:47.878 having the team is key and then as you said,
NOTE Confidence: 0.876211166381836
00:27:47.880 --> 00:27:48.825 just carefully tailoring
NOTE Confidence: 0.876211166381836
00:27:48.825 --> 00:27:50.715 treatments for each patient
NOTE Confidence: 0.876211166381836
00:27:50.720 --> 00:27:52.912 based on the specifics of what's going on
NOTE Confidence: 0.876211166381836
00:27:52.912 --> 00:27:55.188 with them in their situation is just key.
NOTE Confidence: 0.841029345989227
00:27:55.870 --> 00:27:58.894 Talk a little bit about that.
NOTE Confidence: 0.841029345989227
00:27:58.900 --> 00:28:01.356 I mean we talk on this show
NOTE Confidence: 0.841029345989227
00:28:01.356 --> 00:28:04.272 a lot about how there have been
NOTE Confidence: 0.841029345989227
00:28:04.272 --> 00:28:06.497 advances in various tumor types.
00:28:08.620 --> 00:28:10.740 So in some cancers you
NOTE Confidence: 0.841029345989227
00:28:10.740 --> 00:28:12.860 know they they look at,
NOTE Confidence: 0.841029345989227
00:28:12.860 --> 00:28:15.17 panels of hundreds of
NOTE Confidence: 0.841029345989227
00:28:15.170 --> 00:28:17.520 of genetic and genomic mutations,
NOTE Confidence: 0.841029345989227
00:28:17.520 --> 00:28:19.640 and have targeted therapies
NOTE Confidence: 0.841029345989227
00:28:19.640 --> 00:28:21.336 for each of these.
NOTE Confidence: 0.841029345989227
00:28:21.340 --> 00:28:23.818 In others it's not quite so advanced

NOTE Confidence: 0.841029345989227
00:28:23.818 --> 00:28:26.429 in terms of tailoring therapies.
NOTE Confidence: 0.841029345989227
00:28:26.430 --> 00:28:28.838 The idea of course being that you
NOTE Confidence: 0.841029345989227
00:28:28.838 --> 00:28:31.328 know with a more targeted therapy
NOTE Confidence: 0.841029345989227
00:28:31.328 --> 00:28:33.623 you can potentially reduce some
NOTE Confidence: 0.841029345989227
00:28:33.623 --> 00:28:36.608 of the side effects of treatment.
NOTE Confidence: 0.841029345989227
00:28:36.610 --> 00:28:39.067 So given what you had said earlier
NOTE Confidence: 0.841029345989227
00:28:39.067 --> 00:28:41.559 about the side effects of therapy,
NOTE Confidence: 0.841029345989227
00:28:41.560 --> 00:28:44.199 where are we in terms of personalized
NOTE Confidence: 0.841029345989227
00:28:44.199 --> 00:28:46.518 medicine in head and neck cancer?
NOTE Confidence: 0.855066001415253
00:28:47.110 --> 00:28:48.960 It's so interesting
NOTE Confidence: 0.855066001415253
00:28:48.960 --> 00:28:51.550 and one of the areas where personalized
NOTE Confidence: 0.855066001415253
00:28:51.550 --> 00:28:53.105 medicine, really
NOTE Confidence: 0.855066001415253
00:28:53.105 --> 00:28:55.475 is common day-to-day in treating patients
NOTE Confidence: 0.855066001415253
00:28:55.475 --> 00:28:57.990 in this area is that patients with head
NOTE Confidence: 0.855066001415253
00:28:57.990 --> 00:29:00.977 with HPV related cancers are now being
NOTE Confidence: 0.855066001415253

00:29:00.977 --> 00:29:03.412 treated differently than the other cancers.

NOTE Confidence: 0.855066001415253

00:29:03.412 --> 00:29:05.764 We know that their responses and

NOTE Confidence: 0.855066001415253

00:29:05.764 --> 00:29:07.666 the prognosis is different and

NOTE Confidence: 0.855066001415253

00:29:07.666 --> 00:29:09.306 so now the

NOTE Confidence: 0.855066001415253

00:29:09.310 --> 00:29:11.530 treatments are different as well.

NOTE Confidence: 0.855066001415253

00:29:11.530 --> 00:29:14.074 And like so much in

NOTE Confidence: 0.855066001415253

00:29:14.074 --> 00:29:16.339 medicine there are constant advances.

NOTE Confidence: 0.855066001415253

00:29:16.340 --> 00:29:18.220 We're doing transoral

NOTE Confidence: 0.855066001415253

00:29:18.220 --> 00:29:20.100 robotic surgery and now patients

NOTE Confidence: 0.855066001415253

00:29:20.100 --> 00:29:22.278 have the potential to get immunotherapy,

NOTE Confidence: 0.855066001415253

00:29:22.280 --> 00:29:24.470 potentially as part of their treatment,

NOTE Confidence: 0.855066001415253

00:29:24.470 --> 00:29:25.922 and so there's

NOTE Confidence: 0.855066001415253

00:29:27.378 --> 00:29:29.198 more targeted radiation treatment,

NOTE Confidence: 0.855066001415253

00:29:29.200 --> 00:29:31.120 so it's constantly evolving

NOTE Confidence: 0.855066001415253

00:29:31.120 --> 00:29:33.311 and we're seeing

NOTE Confidence: 0.855066001415253

00:29:33.311 --> 00:29:35.015 an overall gradual improvement.

00:29:35.384 --> 00:29:37.568 Slow, but gradual improvement in prognosis,

NOTE Confidence: 0.855066001415253

00:29:37.570 --> 00:29:39.551 and I think it's a result of

NOTE Confidence: 0.855066001415253

00:29:39.551 --> 00:29:41.017 all these little incremental

NOTE Confidence: 0.855066001415253

00:29:41.017 --> 00:29:42.670 steps and improvements.

00:29:43.760 --> 00:29:45.944 Dr. Benjamin Judson is a professor

NOTE Confidence: 0.875325620174408

00:29:45.944 --> 00:29:47.400 of surgery in Otolaryngology,

NOTE Confidence: 0.875325620174408

00:29:47.400 --> 00:29:49.560 and the chief of the division

NOTE Confidence: 0.875325620174408

00:29:49.560 --> 00:29:51.000 of otolaryngology at the

NOTE Confidence: 0.875325620174408

00:29:51.069 --> 00:29:52.669 Yale School of Medicine.

NOTE Confidence: 0.875325620174408

00:29:52.670 --> 00:29:54.202 If you have questions,

NOTE Confidence: 0.875325620174408

00:29:54.202 --> 00:29:55.734 the address is canceranswers@yale.edu

NOTE Confidence: 0.875325620174408

00:29:55.734 --> 00:29:57.852 and past editions of the program

NOTE Confidence: 0.875325620174408

00:29:57.852 --> 00:29:59.784 are available in audio and written

NOTE Confidence: 0.875325620174408

00:29:59.847 --> 00:30:01.458 form at Yalecancercenter.org.

NOTE Confidence: 0.875325620174408

00:30:01.460 --> 00:30:04.020 We hope you'll join us next week to

NOTE Confidence: 0.875325620174408

00:30:04.020 --> 00:30:06.500 learn more about the fight against

NOTE Confidence: 0.875325620174408

00:30:06.500 --> 00:30:09.120 cancer here on Connecticut public radio.