WEBVTT

00:00:00.000 --> 00:00:03.078 Funding for Yale Cancer Answers is

NOTE Confidence: 0.900793819090909

00:00:03.078 --> 00:00:05.990 provided by Smilow Cancer Hospital.

NOTE Confidence: 0.900793819090909

00:00:05.990 --> 00:00:08.144 Welcome to Yale Cancer Answers with

NOTE Confidence: 0.900793819090909

00:00:08.144 --> 00:00:10.429 your host doctor Anees Chagpar.

NOTE Confidence: 0.900793819090909

00:00:10.430 --> 00:00:12.255 Yale Cancer Answers features the

NOTE Confidence: 0.900793819090909

00:00:12.255 --> 00:00:14.504 latest information on cancer care by

NOTE Confidence: 0.900793819090909

00:00:14.504 --> 00:00:15.944 welcoming oncologists and specialists

NOTE Confidence: 0.900793819090909

00:00:15.944 --> 00:00:18.338 who are on the forefront of the

NOTE Confidence: 0.900793819090909

00:00:18.338 --> 00:00:20.156 battle to fight cancer. This week,

NOTE Confidence: 0.900793819090909

00:00:20.156 --> 00:00:22.021 it's a conversation about improving

NOTE Confidence: 0.900793819090909

00:00:22.021 --> 00:00:23.974 HPV vaccine rates among youths

NOTE Confidence: 0.900793819090909

00:00:23.974 --> 00:00:25.129 with doctor Sangini Sheth.

NOTE Confidence: 0.900793819090909

00:00:25.130 --> 00:00:27.512 Doctor Sheth is an associate

NOTE Confidence: 0.900793819090909

00:00:27.512 --> 00:00:28.703 professor of obstetrics,

NOTE Confidence: 0.900793819090909

00:00:28.710 --> 00:00:29.841 gynecology and reproductive

NOTE Confidence: 0.900793819090909

00:00:29.841 --> 00:00:32.103 sciences at the Yale School of

NOTE Confidence: 0.900793819090909

00:00:32.103 --> 00:00:33.887 Medicine where Doctor Chagpar is

NOTE Confidence: 0.900793819090909

00:00:33.890 --> 00:00:35.870 a professor of surgical oncology.

NOTE Confidence: 0.9091857385

00:00:36.950 --> 00:00:38.917 Maybe we can start off by

NOTE Confidence: 0.9091857385

00:00:38.917 --> 00:00:40.948 you telling us a little bit more

NOTE Confidence: 0.9091857385

00:00:40.948 --> 00:00:42.634 about yourself and what you do.

NOTE Confidence: 0.629687973333333

00:00:42.930 --> 00:00:46.114 Absolutely, I'm a general

NOTE Confidence: 0.629687973333333

00:00:46.114 --> 00:00:47.706 obstetrician gynecologist,

NOTE Confidence: 0.629687973333333

00:00:47.710 --> 00:00:50.482 but my clinical work and my

NOTE Confidence: 0.629687973333333

00:00:50.482 --> 00:00:52.330 research work really focuses

NOTE Confidence: 0.629687973333333

00:00:52.330 --> 00:00:54.506 on cervical cancer prevention,

NOTE Confidence: 0.629687973333333

00:00:54.506 --> 00:00:58.663 I take care of women who have

NOTE Confidence: 0.629687973333333

00:00:58.663 --> 00:01:01.827 abnormal cervical cancer screening,

NOTE Confidence: 0.629687973333333

00:01:01.830 --> 00:01:05.245 so abnormal pap smear results

NOTE Confidence: 0.629687973333333

00:01:05.245 --> 00:01:08.660 and do the additional evaluation

NOTE Confidence: 0.629687973333333

00:01:08.777 --> 00:01:11.786 that's needed to make sure that

NOTE Confidence: 0.629687973333333

00:01:11.786 --> 00:01:14.122 they stay healthy and also spend

NOTE Confidence: 0.629687973333333

00:01:14.122 --> 00:01:16.810 a lot of time thinking about how

NOTE Confidence: 0.629687973333333

00:01:16.900 --> 00:01:19.520 we can improve HPV immunization.

NOTE Confidence: 0.65068140875

00:01:21.070 --> 00:01:23.670 So that's a lot to kind of unpack,

NOTE Confidence: 0.65068140875

00:01:23.670 --> 00:01:25.608 but let's start with understanding a

NOTE Confidence: 0.65068140875

00:01:25.608 --> 00:01:27.850 little bit more about cervical cancer.

NOTE Confidence: 0.65068140875

00:01:27.850 --> 00:01:29.880 So how common is cervical

NOTE Confidence: 0.65068140875

00:01:29.880 --> 00:01:32.480 cancer in and who gets it? In

NOTE Confidence: 0.881575768333333

00:01:32.490 --> 00:01:36.006 the United States, we see about

NOTE Confidence: 0.881575768333333

00:01:36.010 --> 00:01:38.410 13,000 cases of cervical cancer

NOTE Confidence: 0.881575768333333

00:01:38.410 --> 00:01:40.730 diagnosed every year, and about

NOTE Confidence: 0.881575768333333

00:01:40.730 --> 00:01:43.370 4000 women die from cervical cancer.

NOTE Confidence: 0.881575768333333

00:01:43.370 --> 00:01:45.626 Here in the US each year

NOTE Confidence: 0.881575768333333

00:01:45.630 --> 00:01:49.368 in terms of who gets it.

NOTE Confidence: 0.881575768333333

00:01:49.370 --> 00:01:52.426 You know anyone that has a cervix can

NOTE Confidence: 0.881575768333333

00:01:52.426 --> 00:01:56.046 get cervical cancer the most common ages

NOTE Confidence: 0.881575768333333

00:01:56.046 --> 00:02:00.265 of diagnosis are women in their 30s,

NOTE Confidence: 0.881575768333333

00:02:00.265 --> 00:02:02.500 forties, 50s. Fortunately,

NOTE Confidence: 0.881575768333333

00:02:02.500 --> 00:02:07.709 we can diagnose pre cancer of the

NOTE Confidence: 0.881575768333333

00:02:07.709 --> 00:02:10.228 cervix and that is what allows us

NOTE Confidence: 0.881575768333333

00:02:10.228 --> 00:02:13.132 to try to help prevent cancer from

NOTE Confidence: 0.881575768333333

00:02:13.132 --> 00:02:15.637 framling from progressing to cancer.

NOTE Confidence: 0.95654393

00:02:16.410 --> 00:02:19.857 So that brings us to the next question and.

NOTE Confidence: 0.95654393

00:02:19.860 --> 00:02:22.708 The the other aspect of cervical

NOTE Confidence: 0.95654393

00:02:22.708 --> 00:02:24.736 cancer care that you mentioned that

NOTE Confidence: 0.95654393

00:02:24.736 --> 00:02:27.626 you spend a lot of time and energy on

NOTE Confidence: 0.95654393

00:02:27.626 --> 00:02:29.560 which is cervical cancer prevention.

NOTE Confidence: 0.95654393

00:02:29.560 --> 00:02:32.395 Now you had talked about two separate

NOTE Confidence: 0.95654393

00:02:32.395 --> 00:02:34.916 issues here and I want to kind

NOTE Confidence: 0.95654393

00:02:34.916 --> 00:02:39.120 of dive into each so one is HPV

NOTE Confidence: 0.95654393

00:02:39.120 --> 00:02:43.435 vaccination and the other is cervical

NOTE Confidence: 0.95654393

00:02:43.435 --> 00:02:46.360 cancer screening with PAP tests.

NOTE Confidence: 0.95654393

00:02:46.360 --> 00:02:48.664 So tell us a little bit more about

NOTE Confidence: 0.95654393

00:02:48.664 --> 00:02:50.660 how each of those two things.

NOTE Confidence: 0.95654393

00:02:50.660 --> 00:02:53.278 Works and what the difference is in

NOTE Confidence: 0.95654393

00:02:53.278 --> 00:02:56.038 terms of how they prevent cancer.

NOTE Confidence: 0.95654393

00:02:56.040 --> 00:02:57.000 Absolutely.

NOTE Confidence: 0.737414907428572

00:02:57.910 --> 00:03:00.549 Well, we can start with HPV vaccination,

NOTE Confidence: 0.737414907428572

00:03:00.550 --> 00:03:03.496 which we think of as being

NOTE Confidence: 0.737414907428572

00:03:03.496 --> 00:03:06.058 primary prevention. It's the 1st.

NOTE Confidence: 0.919270161818182

00:03:08.370 --> 00:03:11.205 First element we have to use to

NOTE Confidence: 0.919270161818182

00:03:11.205 --> 00:03:12.894 prevent infection from developing

NOTE Confidence: 0.919270161818182

00:03:12.894 --> 00:03:16.070 in the 1st place with a virus called

NOTE Confidence: 0.919270161818182

00:03:16.070 --> 00:03:19.355 human papilloma virus, that's the HPV.

NOTE Confidence: 0.919270161818182

00:03:19.355 --> 00:03:22.030 That's a very common virus,

NOTE Confidence: 0.919270161818182

00:03:22.030 --> 00:03:26.258 and so by being vaccinated and especially

NOTE Confidence: 0.919270161818182

00:03:26.258 --> 00:03:28.996 vaccinated early in adolescence,

NOTE Confidence: 0.919270161818182

00:03:28.996 --> 00:03:33.088 we're talking about ages 910, eleven.

NOTE Confidence: 0.919270161818182

00:03:33.088 --> 00:03:35.683 Ideally, we can prevent the

NOTE Confidence: 0.919270161818182

00:03:35.683 --> 00:03:37.869 infections from happening in the.

NOTE Confidence: 0.919270161818182

00:03:37.870 --> 00:03:39.998 1st place and the reason we want

NOTE Confidence: 0.919270161818182

00:03:39.998 --> 00:03:42.269 to prevent the infection is because

NOTE Confidence: 0.919270161818182

00:03:42.270 --> 00:03:44.735 virtually all cervical cancer is

NOTE Confidence: 0.919270161818182

00:03:44.735 --> 00:03:48.090 caused by infection from the HPV virus.

NOTE Confidence: 0.919270161818182

00:03:48.090 --> 00:03:50.295 When that infection stays around

NOTE Confidence: 0.919270161818182

00:03:50.295 --> 00:03:53.360 around for a long time and and

NOTE Confidence: 0.919270161818182

00:03:53.360 --> 00:03:55.510 isn't cleared by the body.

NOTE Confidence: 0.919270161818182

00:03:55.510 --> 00:03:57.718 So the vaccine at a young age really

NOTE Confidence: 0.919270161818182

00:03:57.718 --> 00:04:00.077 is our first go to for prevention.

NOTE Confidence: 0.916982857

00:04:00.770 --> 00:04:02.570 So let's just hit that

NOTE Confidence: 0.916982857

00:04:02.570 --> 00:04:04.370 point home a little bit.

NOTE Confidence: 0.916982857

00:04:04.370 --> 00:04:05.958 So what you're basically

NOTE Confidence: 0.916982857

00:04:05.958 --> 00:04:07.943 telling us is that nearly.

NOTE Confidence: 0.916982857

00:04:07.950 --> 00:04:09.742 All cervical cancers are

NOTE Confidence: 0.916982857

00:04:09.742 --> 00:04:11.982 caused by an infection of

NOTE Confidence: 0.916982857

00:04:11.982 --> 00:04:15.190 a virus and we have safe,

NOTE Confidence: 0.916982857

00:04:15.190 --> 00:04:17.430 effective vaccines that prevent

NOTE Confidence: 0.916982857

00:04:17.430 --> 00:04:19.944 you from getting infected

NOTE Confidence: 0.916982857

00:04:19.944 --> 00:04:22.360 and therefore prevent you

NOTE Confidence: 0.916982857

00:04:22.360 --> 00:04:23.840 from getting cervical cancer.

NOTE Confidence: 0.871132597

00:04:25.140 --> 00:04:28.948 Exactly, and I want to emphasize the safe

NOTE Confidence: 0.871132597

00:04:28.948 --> 00:04:32.040 and effective aspects of the HPV vaccine,

NOTE Confidence: 0.871132597

00:04:32.040 --> 00:04:36.754 which we have had available in in some

NOTE Confidence: 0.871132597

00:04:36.754 --> 00:04:38.483 form or another in the United States

NOTE Confidence: 0.871132597

00:04:38.483 --> 00:04:41.151 for over 15 years now, so we have.

NOTE Confidence: 0.871132597

00:04:41.151 --> 00:04:43.536 Millions of doses worth of

NOTE Confidence: 0.871132597

00:04:43.536 --> 00:04:46.329 experience of giving the vaccine,

NOTE Confidence: 0.871132597

00:04:46.330 --> 00:04:49.687 and in doing so safely and in exactly it

NOTE Confidence: 0.871132597

00:04:49.687 --> 00:04:53.084 will prevent the infection from the varying

NOTE Confidence: 0.871132597

00:04:53.084 --> 00:04:56.459 virus that can cause cervical cancer.

NOTE Confidence: 0.94452062

00:04:57.030 --> 00:05:00.334 So a couple more questions on that. First,

NOTE Confidence: 0.94452062

00:05:00.334 --> 00:05:03.970 is it covered by insurance or is it free?

NOTE Confidence: 0.94452062

00:05:03.970 --> 00:05:06.994 Are there any cost issues that are potential

NOTE Confidence: 0.94452062

00:05:06.994 --> 00:05:09.439 barriers to getting the HPV vaccine?

NOTE Confidence: 0.904592325

00:05:10.590 --> 00:05:13.896 The vaccine is covered by insurance.

NOTE Confidence: 0.904592325

00:05:13.900 --> 00:05:17.260 For anyone that it is recommended for,

NOTE Confidence: 0.904592325

00:05:17.260 --> 00:05:19.770 which is any 192.

NOTE Confidence: 0.904592325

00:05:19.770 --> 00:05:22.920 Through age 45 it should be covered

NOTE Confidence: 0.904592325

00:05:22.920 --> 00:05:25.712 by insurance and many places have

NOTE Confidence: 0.904592325

00:05:25.712 --> 00:05:28.412 programs available to give it up

NOTE Confidence: 0.904592325

00:05:28.503 --> 00:05:31.891 to make it available for free to

NOTE Confidence: 0.904592325

00:05:31.891 --> 00:05:33.700 uninsured individuals as well.

NOTE Confidence: 0.786515319333333

00:05:35.290 --> 00:05:38.250 And so you know the the other question

NOTE Confidence: 0.786515319333333

00:05:38.250 --> 00:05:40.627 that people may have is you know,

NOTE Confidence: 0.786515319333333

00:05:40.630 --> 00:05:43.934 particularly in light of a lot that we're

NOTE Confidence: 0.786515319333333

00:05:43.934 --> 00:05:46.390 learning about vaccines and viruses.

NOTE Confidence: 0.786515319333333

00:05:46.390 --> 00:05:50.030 Given the current pandemic is.

NOTE Confidence: 0.786515319333333

00:05:50.030 --> 00:05:53.672 You know, does this vaccine actually

NOTE Confidence: 0.786515319333333

00:05:53.672 --> 00:05:57.100 prevent you from getting infected?

NOTE Confidence: 0.786515319333333

00:05:57.100 --> 00:05:59.200 Or does it just make the cervical

NOTE Confidence: 0.786515319333333

00:05:59.200 --> 00:06:01.159 cancer not something that is as lethal?

NOTE Confidence: 0.786515319333333

00:06:01.160 --> 00:06:03.520 So when we think about the COVID vaccine,

NOTE Confidence: 0.786515319333333

00:06:03.520 --> 00:06:06.376 many of us, no friends or family who

NOTE Confidence: 0.786515319333333

00:06:06.376 --> 00:06:09.424 have been fully vaccinated but can still

NOTE Confidence: 0.786515319333333

00:06:09.424 --> 00:06:12.460 get infected and still test positive.

NOTE Confidence: 0.786515319333333

00:06:12.460 --> 00:06:14.770 But we know that the disease

NOTE Confidence: 0.786515319333333

00:06:14.770 --> 00:06:17.880 is not as bad in those people,

NOTE Confidence: 0.786515319333333

00:06:17.880 --> 00:06:20.480 whereas with the HPV vaccine,

NOTE Confidence: 0.786515319333333

00:06:20.480 --> 00:06:24.485 is my understanding correct that if

NOTE Confidence: 0.786515319333333

00:06:24.485 --> 00:06:27.110 you're actually vaccinated, you won't?

NOTE Confidence: 0.786515319333333

00:06:27.110 --> 00:06:28.640 Get cervical cancer,

NOTE Confidence: 0.786515319333333

00:06:28.640 --> 00:06:32.920 at least not the HPV induced cervical cancer,

NOTE Confidence: 0.785544428571429

00:06:33.630 --> 00:06:37.648 right? So the current vaccine we have

NOTE Confidence: 0.785544428571429

00:06:37.648 --> 00:06:40.988 available protects against 9 strains of HPV.

NOTE Confidence: 0.785544428571429

00:06:40.990 --> 00:06:44.014 Seven of those strains are known to

NOTE Confidence: 0.785544428571429

00:06:44.014 --> 00:06:46.510 cause cervical and other cancers,

NOTE Confidence: 0.785544428571429

00:06:46.510 --> 00:06:49.414 and two of those strains are

NOTE Confidence: 0.785544428571429

00:06:49.414 --> 00:06:52.158 known to cause genital warts and

NOTE Confidence: 0.785544428571429

00:06:52.158 --> 00:06:55.162 so by the vaccine protects from

NOTE Confidence: 0.785544428571429

00:06:55.162 --> 00:06:58.027 infection of those nine strains.

NOTE Confidence: 0.785544428571429

00:06:58.030 --> 00:07:00.010 It wouldn't protect against

NOTE Confidence: 0.785544428571429

00:07:00.010 --> 00:07:02.980 infection from other types of HPV,

NOTE Confidence: 0.785544428571429

00:07:02.980 --> 00:07:06.352 and if somebody already has one strain of

NOTE Confidence: 0.785544428571429

00:07:06.352 --> 00:07:09.500 HPV at the time that they get the vaccine,

NOTE Confidence: 0.785544428571429

00:07:09.500 --> 00:07:11.320 it wouldn't protect them from

NOTE Confidence: 0.785544428571429

00:07:11.320 --> 00:07:12.776 what they already had,

NOTE Confidence: 0.785544428571429

00:07:12.780 --> 00:07:15.986 but it is different in that it

NOTE Confidence: 0.785544428571429

00:07:15.986 --> 00:07:18.283 protects from infection and because

NOTE Confidence: 0.785544428571429

00:07:18.283 --> 00:07:21.195 of that we see rates of genital

NOTE Confidence: 0.785544428571429

00:07:21.195 --> 00:07:23.990 warts going down and we see rates

NOTE Confidence: 0.785544428571429

00:07:23.990 --> 00:07:26.699 of the pre cancer of the cervix

NOTE Confidence: 0.785544428571429

00:07:26.699 --> 00:07:28.664 that I mentioned going down.

NOTE Confidence: 0.785544428571429

00:07:28.670 --> 00:07:30.826 And we're starting to see rates of

NOTE Confidence: 0.785544428571429

00:07:30.826 --> 00:07:32.519 cervical cancer going down as well.

NOTE Confidence: 0.903882636

00:07:33.330 --> 00:07:35.486 And the other point that I think

NOTE Confidence: 0.903882636

00:07:35.486 --> 00:07:37.857 you made and that I just want to.

NOTE Confidence: 0.903882636

00:07:37.860 --> 00:07:42.840 A kind of amplify is that if you get the

NOTE Confidence: 0.903882636

00:07:42.840 --> 00:07:44.640 vaccine and you're already infected,

NOTE Confidence: 0.903882636

00:07:44.640 --> 00:07:47.142 it won't help you against what

NOTE Confidence: 0.903882636

00:07:47.142 --> 00:07:48.810 you're already infected against.

NOTE Confidence: 0.903882636

00:07:48.810 --> 00:07:51.658 And that's why it's so important to get

NOTE Confidence: 0.903882636

00:07:51.658 --> 00:07:53.968 vaccinated early when people are thinking

NOTE Confidence: 0.903882636

00:07:53.968 --> 00:07:56.666 about vaccination during childhood.

NOTE Confidence: 0.903882636

00:07:56.666 --> 00:07:59.754 910 eleven years old,

NOTE Confidence: 0.903882636

00:07:59.760 --> 00:08:01.218 one of the good reasons to

NOTE Confidence: 0.903882636

00:08:01.218 --> 00:08:02.490 get vaccinated early is that,

NOTE Confidence: 0.948911002

00:08:02.500 --> 00:08:05.210 right? Yep, exactly it is.

NOTE Confidence: 0.948911002

00:08:05.210 --> 00:08:07.050 Our immune system responds

NOTE Confidence: 0.948911002

00:08:07.050 --> 00:08:08.890 better when we're younger.

NOTE Confidence: 0.948911002

00:08:08.890 --> 00:08:11.080 We're going to be protected against

NOTE Confidence: 0.948911002

00:08:11.080 --> 00:08:13.868 more of the strains when we're younger,

NOTE Confidence: 0.948911002

00:08:13.870 --> 00:08:15.450 and then a little added

NOTE Confidence: 0.948911002

00:08:15.450 --> 00:08:17.739 benefit is that if we start the

NOTE Confidence: 0.948911002

00:08:17.739 --> 00:08:19.972 vaccine prior to the age of 15.

NOTE Confidence: 0.948911002

00:08:19.980 --> 00:08:21.948 It is only two doses as

NOTE Confidence: 0.948911002

00:08:21.948 --> 00:08:23.260 opposed to three doses.

NOTE Confidence: 0.948911002

00:08:23.260 --> 00:08:24.470 If it is started later.

NOTE Confidence: 0.870719

00:08:25.350 --> 00:08:27.030 You know sangini, I have to ask you

NOTE Confidence: 0.870719

00:08:27.030 --> 00:08:28.490 about the elephant in the room,

NOTE Confidence: 0.870719

00:08:28.490 --> 00:08:32.266 which is the concern that some people have.

NOTE Confidence: 0.870719

00:08:32.270 --> 00:08:36.650 That vaccinating children leads to autism.

NOTE Confidence: 0.870719

00:08:36.650 --> 00:08:40.493 Can you put that kind of myth to bed

NOTE Confidence: 0.922479457692308

00:08:41.530 --> 00:08:44.078 absolutely? So the published

NOTE Confidence: 0.922479457692308

00:08:44.078 --> 00:08:47.263 studies that raise those questions

NOTE Confidence: 0.922479457692308

00:08:47.263 --> 00:08:49.300 turned out to be falsified.

NOTE Confidence: 0.922479457692308

00:08:49.300 --> 00:08:52.730 They were never accurate to begin with

NOTE Confidence: 0.922479457692308

00:08:52.730 --> 00:08:55.737 and certainly for HPV there is no data.

NOTE Confidence: 0.922479457692308

00:08:55.740 --> 00:08:58.540 To bear that out for this vaccine,

NOTE Confidence: 0.922479457692308

00:08:58.540 --> 00:09:01.020 or for any other vaccine.

NOTE Confidence: 0.922479457692308

00:09:01.020 --> 00:09:05.090 OK, so so for anybody

NOTE Confidence: 0.96287589

00:09:05.100 --> 00:09:08.268 out there who is concerned about

NOTE Confidence: 0.96287589

00:09:08.268 --> 00:09:10.924 autism in children getting vaccines.

NOTE Confidence: 0.96287589

00:09:10.924 --> 00:09:12.520 Just to reiterate,

NOTE Confidence: 0.96287589

00:09:12.520 --> 00:09:14.056 there is no evidence for that.

NOTE Confidence: 0.96287589

00:09:14.060 --> 00:09:16.552 And when you think about the benefit

NOTE Confidence: 0.96287589

00:09:16.552 --> 00:09:19.209 that these vaccines have in terms of

NOTE Confidence: 0.96287589

00:09:19.209 --> 00:09:21.114 preventing your children from getting

NOTE Confidence: 0.96287589

00:09:21.120 --> 00:09:23.958 not just cervical cancer but sangini,

NOTE Confidence: 0.96287589

00:09:23.960 --> 00:09:27.194 am I right that it also protects

NOTE Confidence: 0.96287589

00:09:27.194 --> 00:09:29.778 against oral pharyngeal cancers?

NOTE Confidence: 0.96287589

00:09:29.778 --> 00:09:31.190 Anal cancers?

NOTE Confidence: 0.96287589

00:09:31.190 --> 00:09:34.274 A whole myriad of different cancers

NOTE Confidence: 0.96287589

00:09:34.274 --> 00:09:37.680 that are all related to HPV, exactly

NOTE Confidence: 0.865651953076923

00:09:37.690 --> 00:09:40.721 we we say 6 cancers total that

NOTE Confidence: 0.865651953076923

00:09:40.721 --> 00:09:43.609 can all be caused by HPV.

NOTE Confidence: 0.865651953076923

00:09:43.610 --> 00:09:46.178 That this vaccine can help prevent

NOTE Confidence: 0.95781436

00:09:46.950 --> 00:09:48.588 and so for everybody who has

NOTE Confidence: 0.95781436

00:09:48.588 --> 00:09:50.100 always been praying for something

NOTE Confidence: 0.95781436

00:09:50.100 --> 00:09:51.568 that will prevent cancer,

NOTE Confidence: 0.95781436

00:09:51.570 --> 00:09:55.908 here you have it and such a good reason

NOTE Confidence: 0.95781436

00:09:55.908 --> 00:09:58.374 to get get your children vaccinated.

NOTE Confidence: 0.95781436

00:09:58.374 --> 00:10:01.472 But let me ask you this sangini 'cause

NOTE Confidence: 0.95781436

00:10:01.472 --> 00:10:04.408 I know that people are going to ask.

NOTE Confidence: 0.95781436

00:10:04.410 --> 00:10:06.780 When you say the vast majority

NOTE Confidence: 0.95781436

00:10:06.780 --> 00:10:08.970 of cancers are caused by HPV,

NOTE Confidence: 0.95781436

00:10:08.970 --> 00:10:10.570 are there some that aren't?

NOTE Confidence: 0.95781436

00:10:10.570 --> 00:10:12.970 So is it possible that even

NOTE Confidence: 0.95781436

00:10:12.970 --> 00:10:14.570 if you are vaccinated,

NOTE Confidence: 0.95781436

00:10:14.570 --> 00:10:16.680 you could still get cervical

NOTE Confidence: 0.95781436

00:10:16.680 --> 00:10:18.790 cancer but not from HPV?

NOTE Confidence: 0.95781436

00:10:18.790 --> 00:10:21.966 And if So what are the risk factors

NOTE Confidence: 0.95781436

00:10:21.966 --> 00:10:24.755 aside from HPV that cause cervical

NOTE Confidence: 0.95781436

00:10:24.755 --> 00:10:28.130 cancer and how frequent is that there

NOTE Confidence: 0.875434117692308

00:10:28.140 --> 00:10:31.176 are very rare types of cervical

NOTE Confidence: 0.875434117692308

00:10:31.176 --> 00:10:34.660 cancers that are not caused by HPV.

NOTE Confidence: 0.875434117692308

00:10:34.660 --> 00:10:36.700 Again, I want to stress the rare one,

NOTE Confidence: 0.875434117692308

00:10:36.700 --> 00:10:38.740 especially when it comes

NOTE Confidence: 0.875434117692308

00:10:38.740 --> 00:10:40.712 to cervical cancer. There.

NOTE Confidence: 0.875434117692308

00:10:40.712 --> 00:10:44.690 And and we're seeing less and less of this,

NOTE Confidence: 0.875434117692308

00:10:44.690 --> 00:10:48.242 but there used to be exposure to a

NOTE Confidence: 0.875434117692308

00:10:48.242 --> 00:10:51.338 chemical called desd that increase

NOTE Confidence: 0.875434117692308

00:10:51.338 --> 00:10:54.236 the risk of cervical cancer and so.

NOTE Confidence: 0.915472211666667

00:10:57.080 --> 00:11:02.350 Children of women who are exposed to that.

NOTE Confidence: 0.915472211666667

00:11:02.350 --> 00:11:04.750 Our would be at increased risk of a

NOTE Confidence: 0.915472211666667

00:11:04.750 --> 00:11:07.358 non HP form of cancer for example,

NOTE Confidence: 0.915472211666667

00:11:07.360 --> 00:11:09.335 but that chemical stopped being

NOTE Confidence: 0.915472211666667

00:11:09.335 --> 00:11:11.962 used along time ago and so we

NOTE Confidence: 0.915472211666667

00:11:11.962 --> 00:11:13.684 see less and less of that.

NOTE Confidence: 0.952095725

00:11:14.980 --> 00:11:18.236 And so let me ask you this question.

NOTE Confidence: 0.952095725

00:11:18.240 --> 00:11:20.950 If everybody in the entire world

NOTE Confidence: 0.952095725

00:11:20.950 --> 00:11:24.780 was to get vaccinated against HPV.

NOTE Confidence: 0.952095725

00:11:24.780 --> 00:11:25.768 Would we essentially be

NOTE Confidence: 0.952095725

00:11:25.768 --> 00:11:27.250 putting you out of a job?

NOTE Confidence: 0.906876937272727

00:11:28.690 --> 00:11:30.199 Yeah, that's that,

NOTE Confidence: 0.906876937272727

00:11:30.199 --> 00:11:34.080 and that would be perfectly fine with me.

NOTE Confidence: 0.906876937272727

00:11:34.080 --> 00:11:36.020 But but yes, you know,

NOTE Confidence: 0.906876937272727

00:11:36.020 --> 00:11:39.359 we're actually in a very exciting time.

NOTE Confidence: 0.906876937272727

00:11:39.360 --> 00:11:41.580 Right now. I'm globally.

NOTE Confidence: 0.906876937272727

00:11:41.580 --> 00:11:44.910 The world is focused on the

NOTE Confidence: 0.906876937272727

00:11:44.910 --> 00:11:47.520 elimination of cervical cancer and

NOTE Confidence: 0.906876937272727

00:11:47.520 --> 00:11:49.263 the fact that we can even have

NOTE Confidence: 0.906876937272727

00:11:49.263 --> 00:11:50.500 that conversation is exciting.

NOTE Confidence: 0.906876937272727

00:11:50.500 --> 00:11:53.503 And the reason we can have that

NOTE Confidence: 0.906876937272727

00:11:53.503 --> 00:11:55.662 conversation is because of a

NOTE Confidence: 0.906876937272727

00:11:55.662 --> 00:11:57.647 combination of having the this

NOTE Confidence: 0.906876937272727

00:11:57.647 --> 00:12:00.100 vaccine as well as the screening

NOTE Confidence: 0.906876937272727

00:12:00.100 --> 00:12:02.650 that we you've mentioned already,

NOTE Confidence: 0.866794671

00:12:03.660 --> 00:12:07.237 yeah. I mean to even talk about

NOTE Confidence: 0.866794671

00:12:07.237 --> 00:12:11.010 eradication of cancer, is is just it?

NOTE Confidence: 0.866794671

00:12:11.010 --> 00:12:13.796 It really is exciting and and really

NOTE Confidence: 0.866794671

00:12:13.796 --> 00:12:16.628 jubilant. Let me ask you this,

NOTE Confidence: 0.866794671

00:12:16.630 --> 00:12:19.888 if you've been vaccinated against HPV,

NOTE Confidence: 0.866794671

00:12:19.890 --> 00:12:21.890 do you still need to get Pap smears?

NOTE Confidence: 0.866794671

00:12:21.890 --> 00:12:24.320 Do you still need to get screened? Yes,

NOTE Confidence: 0.826816577

00:12:24.330 --> 00:12:27.246 right now the screening still is

NOTE Confidence: 0.826816577

00:12:27.246 --> 00:12:29.190 a really important component.

NOTE Confidence: 0.826816577

00:12:29.190 --> 00:12:31.950 Partly it's because the vaccine right

NOTE Confidence: 0.826816577

00:12:31.950 --> 00:12:34.450 now protects against nine strains.

NOTE Confidence: 0.826816577

00:12:34.450 --> 00:12:36.270 As I said, seven of which cause.

NOTE Confidence: 0.826816577

00:12:36.270 --> 00:12:37.995 Cervical cancer that

NOTE Confidence: 0.826816577

00:12:37.995 --> 00:12:40.295 doesn't cover every strain.

NOTE Confidence: 0.826816577

00:12:40.300 --> 00:12:43.478 Although it covers about 85 to 90%

NOTE Confidence: 0.826816577

00:12:43.480 --> 00:12:47.146 of what can cause cervical cancer.

NOTE Confidence: 0.826816577

00:12:47.150 --> 00:12:49.607 But overtime, if we you know have

NOTE Confidence: 0.826816577

00:12:49.607 --> 00:12:52.270 very very high rates of vaccination,

NOTE Confidence: 0.826816577

00:12:52.270 --> 00:12:54.244 then one day we may see exactly

NOTE Confidence: 0.826816577

00:12:54.244 --> 00:12:56.499 how we need to screen and who

NOTE Confidence: 0.826816577

00:12:56.499 --> 00:12:58.174 needs to get screen changed.

NOTE Confidence: 0.826816577

00:12:58.180 --> 00:12:58.990 But for right

NOTE Confidence: 0.916834636666667

00:12:59.000 --> 00:13:00.744 now you're recommending screening

NOTE Confidence: 0.916834636666667

00:13:00.744 --> 00:13:02.289 for everybody. Is that right

NOTE Confidence: 0.941062122

00:13:02.460 --> 00:13:05.420 exactly? Regardless of vaccination history.

NOTE Confidence: 0.90863857

00:13:06.490 --> 00:13:08.583 So right after we take a quick

NOTE Confidence: 0.90863857

00:13:08.583 --> 00:13:10.629 break for a medical minute,

NOTE Confidence: 0.90863857

00:13:10.630 --> 00:13:13.987 I want to dive more into the screening part.

NOTE Confidence: 0.90863857

00:13:13.990 --> 00:13:16.797 We've talked a lot about primary prevention

NOTE Confidence: 0.90863857

00:13:16.797 --> 00:13:19.956 with vaccines and that is by far the

NOTE Confidence: 0.90863857

00:13:19.956 --> 00:13:21.594 most exciting breakthrough, I think.

NOTE Confidence: 0.90863857

00:13:21.594 --> 00:13:23.610 But we still need to learn a little

NOTE Confidence: 0.90863857

00:13:23.668 --> 00:13:25.728 bit more about secondary prevention.

NOTE Confidence: 0.90863857

00:13:25.730 --> 00:13:27.070 Who needs a pap smear?

NOTE Confidence: 0.90863857

00:13:27.070 --> 00:13:29.632 What's an HPV test? How exactly does

NOTE Confidence: 0.90863857

00:13:29.632 --> 00:13:32.149 that happen and does it affect you?

NOTE Confidence: 0.90863857

00:13:32.150 --> 00:13:33.378 So please stay tuned.

NOTE Confidence: 0.879908309

00:13:33.770 --> 00:13:35.685 Funding for Yale Cancer answers

NOTE Confidence: 0.879908309

00:13:35.685 --> 00:13:37.600 comes from Smilow Cancer Hospital.

NOTE Confidence: 0.879908309

00:13:37.600 --> 00:13:39.808 Where a wide spectrum of advanced

NOTE Confidence: 0.879908309

00:13:39.808 --> 00:13:41.780 strategies for the diagnosis and

NOTE Confidence: 0.879908309

00:13:41.780 --> 00:13:43.512 treatment of gynecological cancers

NOTE Confidence: 0.879908309

00:13:43.512 --> 00:13:45.829 are offered. To learn more,

NOTE Confidence: 0.879908309

00:13:45.829 --> 00:13:48.727 visit Yale Cancer Center org gin.

NOTE Confidence: 0.943625242142857

00:13:51.740 --> 00:13:54.052 Breast cancer is one of the most common

NOTE Confidence: 0.943625242142857

00:13:54.052 --> 00:13:56.249 cancers in women in Connecticut alone,

NOTE Confidence: 0.943625242142857

00:13:56.250 --> 00:13:58.450 approximately 3500 women will be

NOTE Confidence: 0.943625242142857

00:13:58.450 --> 00:14:01.060 diagnosed with breast cancer this year,

NOTE Confidence: 0.943625242142857

00:14:01.060 --> 00:14:02.424 but there is hope,

NOTE Confidence: 0.943625242142857

00:14:02.424 --> 00:14:03.788 thanks to earlier detection,

NOTE Confidence: 0.943625242142857

00:14:03.790 --> 00:14:05.810 noninvasive treatments and the development

NOTE Confidence: 0.943625242142857

00:14:05.810 --> 00:14:08.699 of novel therapies to fight breast cancer.

NOTE Confidence: 0.943625242142857

00:14:08.700 --> 00:14:10.525 Women should schedule a baseline

NOTE Confidence: 0.943625242142857

00:14:10.525 --> 00:14:12.740 mammogram beginning at age 40 or

NOTE Confidence: 0.943625242142857

00:14:12.740 --> 00:14:14.714 earlier if they have risk factors

NOTE Confidence: 0.943625242142857

00:14:14.714 --> 00:14:16.240 associated with the disease.

NOTE Confidence: 0.943625242142857

00:14:16.240 --> 00:14:17.988 With screening early detection

NOTE Confidence: 0.943625242142857

00:14:17.988 --> 00:14:19.736 and a healthy lifestyle,

NOTE Confidence: 0.943625242142857

00:14:19.740 --> 00:14:21.880 breast cancer can be defeated.

NOTE Confidence: 0.943625242142857

00:14:21.880 --> 00:14:23.836 Clinical trials are currently

NOTE Confidence: 0.943625242142857

00:14:23.836 --> 00:14:25.792 underway at federally designated

NOTE Confidence: 0.943625242142857

00:14:25.792 --> 00:14:27.474 Comprehensive cancer centers such

NOTE Confidence: 0.943625242142857

00:14:27.474 --> 00:14:29.700 as Yale Cancer Center and Smilow

NOTE Confidence: 0.943625242142857

00:14:29.700 --> 00:14:31.788 Cancer Hospital to make innovative

NOTE Confidence: 0.943625242142857

00:14:31.788 --> 00:14:33.918 new treatments available to patients.

NOTE Confidence: 0.943625242142857

00:14:33.920 --> 00:14:36.650 Digital breast Tomosynthesis or 3D

NOTE Confidence: 0.943625242142857

00:14:36.650 --> 00:14:39.117 mammography is also transforming breast

NOTE Confidence: 0.943625242142857

00:14:39.117 --> 00:14:41.421 cancer screening by significantly

NOTE Confidence: 0.943625242142857

00:14:41.421 --> 00:14:43.149 reducing unnecessary procedures

NOTE Confidence: 0.943625242142857

00:14:43.149 --> 00:14:45.439 while picking up more cancers.

NOTE Confidence: 0.943625242142857

00:14:45.440 --> 00:14:48.420 More information is available at

NOTE Confidence: 0.943625242142857

00:14:48.420 --> 00:14:49.716 yalecancercenter.org. You're listening

NOTE Confidence: 0.943625242142857

00:14:49.716 --> 00:14:51.444 to Connecticut Public Radio.

NOTE Confidence: 0.821387198333333

00:14:52.420 --> 00:14:54.598 Welcome back to Yale Cancer Answers.

NOTE Confidence: 0.821387198333333

00:14:54.600 --> 00:14:56.280 This is doctor Anees Chagpar and

NOTE Confidence: 0.821387198333333

00:14:56.280 --> 00:14:58.159 I'm joined tonight by

NOTE Confidence: 0.821387198333333

00:14:58.159 --> 00:14:59.899 my guest Doctor Sangini Sheth.

NOTE Confidence: 0.821387198333333

00:14:59.900 --> 00:15:02.520 We're talking about cervical cancer

NOTE Confidence: 0.821387198333333

00:15:02.520 --> 00:15:04.616 and especially prevention now.

NOTE Confidence: 0.821387198333333

00:15:04.620 --> 00:15:06.930 Right before the break we

NOTE Confidence: 0.821387198333333

00:15:06.930 --> 00:15:09.638 talked a lot about what you called

NOTE Confidence: 0.821387198333333

00:15:09.640 --> 00:15:12.494 primary prevention and that was

NOTE Confidence: 0.821387198333333

00:15:12.494 --> 00:15:14.784 talking about HPV vaccination and

NOTE Confidence: 0.821387198333333

00:15:14.784 --> 00:15:17.367 the potential that vaccination could

NOTE Confidence: 0.821387198333333

00:15:17.367 --> 00:15:20.002 actually eradicate cervical cancer and

NOTE Confidence: 0.821387198333333

00:15:20.002 --> 00:15:23.968 maybe a whole bunch of other cancers as well.

NOTE Confidence: 0.821387198333333

00:15:23.970 --> 00:15:24.894 Which is.

NOTE Confidence: 0.821387198333333

00:15:24.894 --> 00:15:25.818 Completely exciting,

NOTE Confidence: 0.821387198333333

00:15:25.818 --> 00:15:29.179 but you did mention something else which

NOTE Confidence: 0.821387198333333

00:15:29.179 --> 00:15:31.729 is screening or secondary prevention.

NOTE Confidence: 0.821387198333333

00:15:31.730 --> 00:15:34.630 Can you tell us a little bit more about that?

NOTE Confidence: 0.821387198333333

00:15:34.630 --> 00:15:35.460 Absolutely,

NOTE Confidence: 0.8832542

00:15:35.470 --> 00:15:37.720 and this is probably what most

NOTE Confidence: 0.8832542

00:15:37.720 --> 00:15:39.630 people are very familiar with,

NOTE Confidence: 0.8832542

00:15:39.630 --> 00:15:42.742 which is screening with a Pap test which

NOTE Confidence: 0.8832542

00:15:42.742 --> 00:15:45.710 we have been using since the 1950s.

NOTE Confidence: 0.8832542

00:15:45.710 --> 00:15:48.590 As really the mainstay of cervical

NOTE Confidence: 0.8832542

00:15:48.590 --> 00:15:51.634 cancer prevention and the need

NOTE Confidence: 0.8832542

00:15:51.634 --> 00:15:54.498 for screening hasn't gone away,

NOTE Confidence: 0.8832542

00:15:54.498 --> 00:15:57.128 and it remains very important.

NOTE Confidence: 0.8832542

00:15:57.130 --> 00:15:59.490 What's changed about screening

NOTE Confidence: 0.8832542

00:15:59.490 --> 00:16:03.030 is that now we're relying more

NOTE Confidence: 0.8832542

00:16:03.135 --> 00:16:05.460 and more on HPV testing.

NOTE Confidence: 0.8832542

00:16:05.460 --> 00:16:09.037 As the only form of screening or

NOTE Confidence: 0.8832542

00:16:09.037 --> 00:16:13.814 or a secondary part to the to the

NOTE Confidence: 0.8832542

00:16:13.814 --> 00:16:16.256 Pap smear to to really understand

NOTE Confidence: 0.8832542

00:16:16.256 --> 00:16:19.210 who's at risk and how much risk.

NOTE Confidence: 0.942448431111111

00:16:20.100 --> 00:16:22.377 So tell us a little bit more about that.

NOTE Confidence: 0.942448431111111

00:16:22.380 --> 00:16:24.810 So many of us are familiar with Pap smears,

NOTE Confidence: 0.942448431111111

00:16:24.810 --> 00:16:26.890 so let's break it down a little bit.

NOTE Confidence: 0.860761980833333

00:16:27.220 --> 00:16:29.908 So we should start cervical cancer

NOTE Confidence: 0.860761980833333

00:16:29.908 --> 00:16:32.319 screening for people at age 21.

NOTE Confidence: 0.860761980833333

00:16:32.320 --> 00:16:34.366 So anyone with a cervix needs

NOTE Confidence: 0.860761980833333

00:16:34.366 --> 00:16:36.269 to start screening at age 21.

NOTE Confidence: 0.860761980833333

00:16:36.270 --> 00:16:37.374 That screening,

NOTE Confidence: 0.860761980833333

00:16:37.374 --> 00:16:41.155 at least until the age of 25,

NOTE Confidence: 0.860761980833333

00:16:41.155 --> 00:16:45.340 should be in the form of a pap smear.

NOTE Confidence: 0.860761980833333

00:16:45.340 --> 00:16:48.787 Starting at age 25, there are some

NOTE Confidence: 0.860761980833333

00:16:48.787 --> 00:16:51.776 options for how to do this screening.

NOTE Confidence: 0.860761980833333

00:16:51.780 --> 00:16:54.939 We can stay with the Pap smear and we

NOTE Confidence: 0.860761980833333

00:16:54.939 --> 00:16:58.457 or we can start adding in HPV testing.

NOTE Confidence: 0.860761980833333

00:16:58.460 --> 00:17:01.008 The reason that HPV testing makes sense

NOTE Confidence: 0.860761980833333

00:17:01.008 --> 00:17:03.819 is because as we talked about earlier,

NOTE Confidence: 0.860761980833333

00:17:03.820 --> 00:17:07.044 that virus is what we know causes almost

NOTE Confidence: 0.860761980833333

00:17:07.044 --> 00:17:09.902 all cervical cancer and by testing for

NOTE Confidence: 0.860761980833333

00:17:09.902 --> 00:17:12.642 the presence or absence of the virus

NOTE Confidence: 0.860761980833333

00:17:12.642 --> 00:17:15.378 we can start to identify who is at.

NOTE Confidence: 0.860761980833333

00:17:15.380 --> 00:17:18.720 Risk there is some.

NOTE Confidence: 0.860761980833333

00:17:18.720 --> 00:17:21.536 Some newer recommendations that

NOTE Confidence: 0.860761980833333

00:17:21.536 --> 00:17:24.974 we're not really starting to see

NOTE Confidence: 0.860761980833333

00:17:24.974 --> 00:17:27.829 broadly in clinical practice,

NOTE Confidence: 0.860761980833333

00:17:27.830 --> 00:17:31.176 but we we will probably start to

NOTE Confidence: 0.860761980833333

00:17:31.176 --> 00:17:33.609 incorporate more and more often

NOTE Confidence: 0.860761980833333

00:17:33.610 --> 00:17:37.050 and and that is a role for doing

NOTE Confidence: 0.860761980833333

00:17:37.050 --> 00:17:39.749 only HPV testing down the road.

NOTE Confidence: 0.891119748333333

00:17:40.850 --> 00:17:43.868 So let me ask you this.

NOTE Confidence: 0.891119748333333

00:17:43.870 --> 00:17:46.579 The purpose of the Pap smear is

NOTE Confidence: 0.891119748333333

00:17:46.579 --> 00:17:49.644 to find pre cervical cancer cells

NOTE Confidence: 0.891119748333333

00:17:49.644 --> 00:17:52.659 that we can potentially eliminate

NOTE Confidence: 0.891119748333333

00:17:52.659 --> 00:17:55.406 before they actually progress

NOTE Confidence: 0.891119748333333

00:17:55.406 --> 00:17:58.290 into invasive cervical cancer.

NOTE Confidence: 0.891119748333333

00:17:58.290 --> 00:18:00.390 Is that right exactly?

NOTE Confidence: 0.891119748333333

00:18:00.390 --> 00:18:03.015 And so if you were just to

NOTE Confidence: 0.891119748333333

00:18:03.015 --> 00:18:04.949 get tested with for HPV,

NOTE Confidence: 0.891119748333333

00:18:04.950 --> 00:18:06.546 you know that you're at risk.

NOTE Confidence: 0.891119748333333

00:18:06.550 --> 00:18:08.566 But how does that help you to find

NOTE Confidence: 0.891119748333333

00:18:08.566 --> 00:18:10.399 those pre cervical cancer cells?

NOTE Confidence: 0.8697119115

00:18:11.150 --> 00:18:14.237 By knowing who is positive for HPV

NOTE Confidence: 0.8697119115

00:18:14.237 --> 00:18:17.552 and then having a little bit more

NOTE Confidence: 0.8697119115

00:18:17.552 --> 00:18:20.408 information about which type of HPV,

NOTE Confidence: 0.8697119115

00:18:20.410 --> 00:18:22.186 there's hundreds of types out there,

NOTE Confidence: 0.8697119115

00:18:22.190 --> 00:18:25.102 but we're really focused on a handful

NOTE Confidence: 0.8697119115

00:18:25.102 --> 00:18:27.689 that cause most cervical cancer.

NOTE Confidence: 0.8697119115

00:18:27.690 --> 00:18:31.310 It helps guide us to who needs.

NOTE Confidence: 0.8697119115

00:18:31.310 --> 00:18:34.614 Further evaluation in the same way that

NOTE Confidence: 0.8697119115

00:18:34.614 --> 00:18:37.810 a abnormal Pap test would tell us,

NOTE Confidence: 0.8697119115

00:18:37.810 --> 00:18:40.715 and more and more science is telling

NOTE Confidence: 0.8697119115

00:18:40.715 --> 00:18:44.680 us that the HPV test alone may be as

NOTE Confidence: 0.8697119115

00:18:44.680 --> 00:18:48.198 good if not better than the Pap test.

NOTE Confidence: 0.904031716363636

00:18:49.080 --> 00:18:50.754 So tell us a little bit

NOTE Confidence: 0.904031716363636

00:18:50.754 --> 00:18:52.260 more about that HPV test.

NOTE Confidence: 0.904031716363636

00:18:52.260 --> 00:18:53.620 Is that a blood test?

NOTE Confidence: 0.904031716363636

00:18:53.620 --> 00:18:58.285 Is that a cervical kind of swab test

NOTE Confidence: 0.904031716363636

00:18:58.285 --> 00:19:01.560 like a PAP except testing for HPV?

NOTE Confidence: 0.904031716363636

00:19:01.560 --> 00:19:03.060 How exactly does that happen?

NOTE Confidence: 0.758900916666667

00:19:03.770 --> 00:19:06.626 Yeah, so from a patient's perspective,

NOTE Confidence: 0.758900916666667

00:19:06.630 --> 00:19:09.240 what they would experience when they

NOTE Confidence: 0.758900916666667

00:19:09.240 --> 00:19:12.196 go to the doctor is not that different

NOTE Confidence: 0.758900916666667

00:19:12.196 --> 00:19:13.806 from what they were experiencing.

NOTE Confidence: 0.758900916666667

00:19:13.810 --> 00:19:16.554 When if they were getting only a path,

NOTE Confidence: 0.758900916666667

00:19:16.560 --> 00:19:19.720 it still involves a gynecology

NOTE Confidence: 0.758900916666667

00:19:19.720 --> 00:19:22.248 exam with a speculum,

NOTE Confidence: 0.758900916666667

00:19:22.250 --> 00:19:26.530 and the specimen is collected at the cervix

NOTE Confidence: 0.758900916666667

00:19:26.530 --> 00:19:30.587 and then HPV testing is done on that,

NOTE Confidence: 0.758900916666667

00:19:30.590 --> 00:19:33.134 which also allows for.

NOTE Confidence: 0.758900916666667

00:19:33.134 --> 00:19:36.940 If in certain conditions, if a pop.

NOTE Confidence: 0.758900916666667

00:19:36.940 --> 00:19:40.240 Task then needs to be performed later on.

NOTE Confidence: 0.758900916666667

00:19:40.240 --> 00:19:43.136 It can be done on that same collection.

NOTE Confidence: 0.758900916666667

00:19:43.140 --> 00:19:44.635 The patient doesn't need to

NOTE Confidence: 0.758900916666667

00:19:44.635 --> 00:19:46.490 go back for for another exam.

NOTE Confidence: 0.894385816875

00:19:46.840 --> 00:19:49.276 So basically what you're saying is

NOTE Confidence: 0.894385816875

00:19:49.276 --> 00:19:52.188 that either way you're going to have

NOTE Confidence: 0.894385816875

00:19:52.188 --> 00:19:54.744 a gynecological exam and kind of a

NOTE Confidence: 0.894385816875

00:19:54.744 --> 00:19:56.760 specimen that's taken from the cervix,

NOTE Confidence: 0.894385816875

00:19:56.760 --> 00:19:59.889 which is either stained to see whether

NOTE Confidence: 0.894385816875

00:19:59.889 --> 00:20:01.720 there's precancerous cells there,

NOTE Confidence: 0.894385816875

00:20:01.720 --> 00:20:05.016 like a pap smear or more frequently now.

NOTE Confidence: 0.894385816875

00:20:05.020 --> 00:20:07.620 It sounds like gets tested.

NOTE Confidence: 0.894385816875

00:20:07.620 --> 00:20:10.084 For HPV and so.

NOTE Confidence: 0.894385816875

00:20:10.084 --> 00:20:14.490 If that test is positive for HPV,

NOTE Confidence: 0.894385816875

00:20:14.490 --> 00:20:15.870 what's the next step?

NOTE Confidence: 0.84451056

00:20:16.020 --> 00:20:19.873 This is where a conversation with the

NOTE Confidence: 0.84451056

00:20:19.873 --> 00:20:22.338 the physician becomes really important.

NOTE Confidence: 0.84451056

00:20:22.340 --> 00:20:25.065 In some cases, the recommendation

NOTE Confidence: 0.84451056

00:20:25.065 --> 00:20:28.098 may be needing to do a repeat sooner,

NOTE Confidence: 0.84451056

00:20:28.100 --> 00:20:29.770 so maybe a year later

NOTE Confidence: 0.84451056

00:20:29.770 --> 00:20:31.980 instead of a few years later.

NOTE Confidence: 0.84451056

00:20:31.980 --> 00:20:33.356 But in other situations,

NOTE Confidence: 0.84451056

00:20:33.356 --> 00:20:36.375 the next step is going to be the

NOTE Confidence: 0.84451056

00:20:36.375 --> 00:20:38.147 recommendation for a procedure

NOTE Confidence: 0.84451056

00:20:38.147 --> 00:20:40.698 called Kolpa Skippy, which is a.

NOTE Confidence: 0.84451056

00:20:40.698 --> 00:20:44.103 Big fancy word to mean looking at the

NOTE Confidence: 0.84451056

00:20:44.103 --> 00:20:47.414 cervix in the office with a microscope

NOTE Confidence: 0.84451056

00:20:47.420 --> 00:20:50.116 to get a better look at the cervix

NOTE Confidence: 0.84451056

00:20:50.116 --> 00:20:52.840 and take some very small biopsies.

NOTE Confidence: 0.84451056

00:20:52.840 --> 00:20:54.248 Again in the office.

NOTE Confidence: 0.93564674875

00:20:54.440 --> 00:20:56.880 And if you had an abnormal pap smear,

NOTE Confidence: 0.93564674875

00:20:56.880 --> 00:20:58.584 would that be the next step as well?

NOTE Confidence: 0.851227844

00:20:58.700 --> 00:21:01.000 Exactly the the next steps.

NOTE Confidence: 0.851227844

00:21:01.000 --> 00:21:02.985 The options of next steps

NOTE Confidence: 0.851227844

00:21:02.985 --> 00:21:04.573 don't really change either.

NOTE Confidence: 0.851227844

00:21:04.580 --> 00:21:06.380 It would have been following

NOTE Confidence: 0.851227844

00:21:06.380 --> 00:21:08.180 up with another test sooner,

NOTE Confidence: 0.851227844

00:21:08.180 --> 00:21:10.100 meaning about a year or so

NOTE Confidence: 0.851227844

00:21:10.100 --> 00:21:11.893 or being recommended to have

NOTE Confidence: 0.851227844

00:21:11.893 --> 00:21:13.400 this colposcopy. Procedure

NOTE Confidence: 0.825934834285714

00:21:13.870 --> 00:21:18.504 and so when you have that procedure.

NOTE Confidence: 0.825934834285714

00:21:18.510 --> 00:21:20.490 Is this something that you need

NOTE Confidence: 0.825934834285714

00:21:20.490 --> 00:21:22.869 to kind of stay off work from?

NOTE Confidence: 0.825934834285714

00:21:22.870 --> 00:21:25.530 Is it really painful or is this

NOTE Confidence: 0.825934834285714

00:21:25.530 --> 00:21:27.609 something that's kind of you know,

NOTE Confidence: 0.825934834285714

00:21:27.610 --> 00:21:29.388 more like a blood test and not

NOTE Confidence: 0.825934834285714

00:21:29.388 --> 00:21:30.982 really too bad and you can

NOTE Confidence: 0.825934834285714

00:21:30.982 --> 00:21:32.524 get back to living your life.

NOTE Confidence: 0.868987325

00:21:33.850 --> 00:21:37.890 The latter it is done in the office.

NOTE Confidence: 0.868987325

00:21:37.890 --> 00:21:41.649 It doesn't require taking the day off

NOTE Confidence: 0.868987325

00:21:41.649 --> 00:21:45.446 from work beyond the time of the exam.

NOTE Confidence: 0.868987325

00:21:45.450 --> 00:21:49.300 There's not a recovery period.

NOTE Confidence: 0.868987325

00:21:49.300 --> 00:21:53.178 It's much more like a blood test.

NOTE Confidence: 0.868987325

00:21:53.180 --> 00:21:55.460 Than than some then some

NOTE Confidence: 0.868987325

00:21:55.460 --> 00:21:56.828 larger invasive test.

NOTE Confidence: 0.891035205

00:21:57.400 --> 00:22:00.928 OK, so you go in for your

NOTE Confidence: 0.891035205

00:22:00.928 --> 00:22:02.440 regular gynecological exam.

NOTE Confidence: 0.891035205

00:22:02.440 --> 00:22:04.912 Your doctor does either a pap

NOTE Confidence: 0.891035205

00:22:04.912 --> 00:22:07.256 smear or more likely an HPV

NOTE Confidence: 0.891035205

00:22:07.256 --> 00:22:09.140 test if it comes back positive,

NOTE Confidence: 0.891035205

00:22:09.140 --> 00:22:11.534 you have a colposcopy you go in.

NOTE Confidence: 0.891035205

00:22:11.540 --> 00:22:13.520 They take a few samples.

NOTE Confidence: 0.891035205

00:22:13.520 --> 00:22:15.548 How long does it take to

NOTE Confidence: 0.891035205

00:22:15.548 --> 00:22:16.900 get those results back?

NOTE Confidence: 0.891035205

00:22:16.900 --> 00:22:20.806 About 10 days OK and what

NOTE Confidence: 0.891035205

00:22:20.806 --> 00:22:22.414 are they looking for?

NOTE Confidence: 0.891035205

00:22:22.420 --> 00:22:24.730 Are they looking for precancerous cells?

NOTE Confidence: 0.926564456666667

00:22:25.200 --> 00:22:27.063 Exactly? They're looking

NOTE Confidence: 0.926564456666667

00:22:27.063 --> 00:22:28.926 for precancerous cells.

NOTE Confidence: 0.926564456666667

00:22:28.930 --> 00:22:32.840 We tend to grade pre cancer

NOTE Confidence: 0.926564456666667

00:22:32.840 --> 00:22:35.190 in at three different levels,

NOTE Confidence: 0.926564456666667

00:22:35.190 --> 00:22:38.655 a level 1, the level 2 or Level 3.

NOTE Confidence: 0.926564456666667

00:22:38.660 --> 00:22:41.636 Anything beyond a Level 3 is

NOTE Confidence: 0.926564456666667

00:22:41.636 --> 00:22:43.620 means invasive cervical cancer,

NOTE Confidence: 0.926564456666667

00:22:43.620 --> 00:22:45.678 and then depending on the level,

NOTE Confidence: 0.926564456666667

00:22:45.680 --> 00:22:48.090 what what might be recommended?

NOTE Confidence: 0.926564456666667

00:22:48.090 --> 00:22:50.260 Next varies.

NOTE Confidence: 0.978309843333333

00:22:51.460 --> 00:22:52.846 So tell us more about that.

NOTE Confidence: 0.816002009166667

00:22:54.140 --> 00:22:56.688 So for a level one often referred

NOTE Confidence: 0.816002009166667

00:22:56.688 --> 00:22:59.125 to in medical terms as CIN

NOTE Confidence: 0.816002009166667

00:22:59.125 --> 00:23:02.350 one or low grade dysplasia.

NOTE Confidence: 0.816002009166667

00:23:02.350 --> 00:23:04.370 The risk of future cervical

NOTE Confidence: 0.816002009166667

00:23:04.370 --> 00:23:06.390 cancer is still very low,

NOTE Confidence: 0.816002009166667

00:23:06.390 --> 00:23:09.048 and so we're going to observe.

NOTE Confidence: 0.816002009166667

00:23:09.050 --> 00:23:12.600 Follow that. Observe that with.

NOTE Confidence: 0.816002009166667

00:23:12.600 --> 00:23:15.690 Repeat testing and one year.

NOTE Confidence: 0.816002009166667

00:23:15.690 --> 00:23:17.748 When we get to level 2,

NOTE Confidence: 0.816002009166667

00:23:17.750 --> 00:23:19.990 the risk of cervical cancer

NOTE Confidence: 0.816002009166667

00:23:19.990 --> 00:23:22.230 in the future long term,

NOTE Confidence: 0.816002009166667

00:23:22.230 --> 00:23:26.010 if left untreated, starts to increase,

NOTE Confidence: 0.816002009166667

00:23:26.010 --> 00:23:29.496 but the chances of it resolving

NOTE Confidence: 0.816002009166667

00:23:29.496 --> 00:23:32.906 or going away is also there,

NOTE Confidence: 0.816002009166667

00:23:32.906 --> 00:23:35.762 and so that's where there's a

NOTE Confidence: 0.816002009166667

00:23:35.762 --> 00:23:38.070 we factor in a patient's age.

NOTE Confidence: 0.816002009166667

00:23:38.070 --> 00:23:40.790 What they may be thinking in terms of

NOTE Confidence: 0.816002009166667

00:23:40.790 --> 00:23:43.398 future fertility and childbearing,

NOTE Confidence: 0.816002009166667

00:23:43.398 --> 00:23:46.006 and make a recommendation.

NOTE Confidence: 0.816002009166667

00:23:46.010 --> 00:23:46.598 Accordingly,

NOTE Confidence: 0.816002009166667

00:23:46.598 --> 00:23:50.126 as to whether we recommend treatment

NOTE Confidence: 0.816002009166667

00:23:50.130 --> 00:23:53.550 with something called a LEAP procedure,

NOTE Confidence: 0.816002009166667

00:23:53.550 --> 00:23:55.685 which we can talk about in a

NOTE Confidence: 0.816002009166667

00:23:55.685 --> 00:23:58.006 second or following very closely,

NOTE Confidence: 0.816002009166667

00:23:58.006 --> 00:24:01.907 meaning every six months with a repeat

NOTE Confidence: 0.816002009166667

00:24:01.907 --> 00:24:04.406 colonoscopy for up to two years to

NOTE Confidence: 0.816002009166667

00:24:04.406 --> 00:24:06.870 see if it does in fact resolve,

NOTE Confidence: 0.816002009166667

00:24:06.870 --> 00:24:08.285 or if there's signs that

NOTE Confidence: 0.816002009166667

00:24:08.285 --> 00:24:09.417 it's starting to worsen,

NOTE Confidence: 0.816002009166667

00:24:09.420 --> 00:24:09.970 then say,

NOTE Confidence: 0.816002009166667

00:24:09.970 --> 00:24:11.895 you know we should just move forward

NOTE Confidence: 0.816002009166667

00:24:11.895 --> 00:24:14.565 with treatment and then by the time

NOTE Confidence: 0.816002009166667

00:24:14.565 --> 00:24:17.656 it gets to that Level 3 or a CIN 3.

NOTE Confidence: 0.816002009166667

00:24:17.660 --> 00:24:20.580 We say we just need to proceed with

NOTE Confidence: 0.816002009166667

00:24:20.580 --> 00:24:22.419 treatment without leep procedure.

NOTE Confidence: 0.9211923075

00:24:23.280 --> 00:24:26.654 So tell us more about this leep

NOTE Confidence: 0.9211923075

00:24:26.654 --> 00:24:28.670 procedure. In some offices,

NOTE Confidence: 0.879546226

00:24:28.680 --> 00:24:30.332 the LEEP procedure can

NOTE Confidence: 0.879546226

00:24:30.332 --> 00:24:32.810 also be done in the office,

NOTE Confidence: 0.879546226

00:24:32.810 --> 00:24:35.874 it can be very well tolerated with just

NOTE Confidence: 0.879546226

00:24:35.874 --> 00:24:38.719 some local anesthetic like lidocaine,

NOTE Confidence: 0.879546226

00:24:38.720 --> 00:24:40.430 similar to what someone might

NOTE Confidence: 0.879546226

00:24:40.430 --> 00:24:42.140 receive for a dental procedure,

NOTE Confidence: 0.879546226

00:24:42.140 --> 00:24:44.172 or it can be done in the operating

NOTE Confidence: 0.879546226

00:24:44.172 --> 00:24:46.019 room as the same day surgery,

NOTE Confidence: 0.879546226

00:24:46.020 --> 00:24:48.210 and it what it involves is

NOTE Confidence: 0.879546226

00:24:48.210 --> 00:24:50.448 removing a small portion of the

NOTE Confidence: 0.879546226

00:24:50.448 --> 00:24:52.203 cervix where the abnormal cells

NOTE Confidence: 0.879546226

00:24:52.203 --> 00:24:54.689 are to get rid of those cells.

NOTE Confidence: 0.878866731428571

00:24:55.610 --> 00:24:57.927 And then that's it. Then you're done.

NOTE Confidence: 0.878866731428571

00:24:57.930 --> 00:24:59.625 And then you've reduced your

NOTE Confidence: 0.878866731428571

00:24:59.625 --> 00:25:01.320 risk back down to baseline.

NOTE Confidence: 0.909873723333333

00:25:02.350 --> 00:25:07.168 So then we we still do surveillance,

NOTE Confidence: 0.909873723333333

00:25:07.168 --> 00:25:10.556 meaning we follow patients every 6 to

NOTE Confidence: 0.909873723333333

00:25:10.556 --> 00:25:13.724 12 months with PAP tests to to make sure

NOTE Confidence: 0.909873723333333

00:25:13.813 --> 00:25:16.628 that they've truly reduced their risk.

NOTE Confidence: 0.909873723333333

00:25:16.630 --> 00:25:20.722 The risk never goes completely to baseline,

NOTE Confidence: 0.909873723333333

00:25:20.722 --> 00:25:24.491 but it it drops a lot,

NOTE Confidence: 0.909873723333333

00:25:24.491 --> 00:25:26.519 and the longer somebody.

NOTE Confidence: 0.909873723333333

00:25:26.520 --> 00:25:30.335 Goes with having normal or negative testing.

NOTE Confidence: 0.909873723333333

00:25:30.340 --> 00:25:31.660 After that treatment,

NOTE Confidence: 0.909873723333333

00:25:31.660 --> 00:25:34.300 they'll last likely they are to

NOTE Confidence: 0.909873723333333

00:25:34.300 --> 00:25:36.568 to have the issue come back.

NOTE Confidence: 0.926536835454545

00:25:37.810 --> 00:25:40.150 So you know the next question

NOTE Confidence: 0.926536835454545

00:25:40.150 --> 00:25:42.250 is really something I think.

NOTE Confidence: 0.926536835454545

00:25:42.250 --> 00:25:43.840 As I mentioned before the break,

NOTE Confidence: 0.926536835454545

00:25:43.840 --> 00:25:46.619 a lot of people have gotten a

NOTE Confidence: 0.926536835454545

00:25:46.619 --> 00:25:49.569 lot of information and and some

NOTE Confidence: 0.926536835454545

00:25:49.569 --> 00:25:51.213 misinformation from the experience

NOTE Confidence: 0.926536835454545

00:25:51.213 --> 00:25:53.379 that we've had during the pandemic

NOTE Confidence: 0.926536835454545

00:25:53.379 --> 00:25:56.020 and one of the things that we've

NOTE Confidence: 0.926536835454545

00:25:56.020 --> 00:25:57.903 recognized during the pandemic is

NOTE Confidence: 0.926536835454545

00:25:57.903 --> 00:25:59.985 not only the importance of vaccines,

NOTE Confidence: 0.926536835454545

00:25:59.990 --> 00:26:04.505 but also the fact that there are

NOTE Confidence: 0.926536835454545

00:26:04.505 --> 00:26:07.669 treatments available that may treat.

NOTE Confidence: 0.926536835454545

00:26:07.670 --> 00:26:11.450 That there's some viral illness called COVID,

NOTE Confidence: 0.926536835454545

00:26:11.450 --> 00:26:13.874 and so I guess one of the questions

NOTE Confidence: 0.926536835454545

00:26:13.874 --> 00:26:16.698 that people might be wondering is if HPV

NOTE Confidence: 0.926536835454545

00:26:16.698 --> 00:26:19.062 causes cervical cancer aside from the

NOTE Confidence: 0.926536835454545

00:26:19.062 --> 00:26:21.609 HPV vaccine that we've talked about,

NOTE Confidence: 0.926536835454545

00:26:21.610 --> 00:26:23.582 that is so effective.

NOTE Confidence: 0.926536835454545

00:26:23.582 --> 00:26:27.310 Are there kind of entry retrovirals

NOTE Confidence: 0.926536835454545

00:26:27.310 --> 00:26:30.435 or monoclonal antibodies or something

NOTE Confidence: 0.926536835454545

00:26:30.435 --> 00:26:32.922 against HPV that are effective in

NOTE Confidence: 0.926536835454545

00:26:32.922 --> 00:26:34.462 the treatment of cervical cancer?

NOTE Confidence: 0.865616292

00:26:35.330 --> 00:26:37.234 That's a great question.

NOTE Confidence: 0.865616292

00:26:37.234 --> 00:26:38.949 Unfortunately, right now the

NOTE Confidence: 0.865616292

00:26:38.949 --> 00:26:41.427 answer is that there's no other

NOTE Confidence: 0.865616292

00:26:41.427 --> 00:26:43.876 medical treatments for to to get

NOTE Confidence: 0.865616292

00:26:43.876 --> 00:26:46.230 rid of HPV infection there is.

NOTE Confidence: 0.865616292

00:26:46.230 --> 00:26:48.238 That's an area that's gets

NOTE Confidence: 0.865616292

00:26:48.238 --> 00:26:49.950 being studied a lot,

NOTE Confidence: 0.865616292

00:26:49.950 --> 00:26:52.686 but we don't have anything available to us

NOTE Confidence: 0.865616292

00:26:52.686 --> 00:26:54.974 right now which only further underscores.

NOTE Confidence: 0.865616292

00:26:54.974 --> 00:26:57.380 Why the vaccine and the screening.

NOTE Confidence: 0.865616292

00:26:57.380 --> 00:26:59.810 The things we do have available

NOTE Confidence: 0.865616292

00:26:59.810 --> 00:27:01.025 are really important.

NOTE Confidence: 0.865616292

00:27:01.030 --> 00:27:03.543 The only other thing I would add

NOTE Confidence: 0.865616292

00:27:03.543 --> 00:27:05.610 is you know smoking is.

NOTE Confidence: 0.865616292

00:27:05.610 --> 00:27:07.488 The risk factor for cervical cancer

NOTE Confidence: 0.865616292

00:27:07.488 --> 00:27:09.990 as we know it is for many other

NOTE Confidence: 0.865616292

00:27:09.990 --> 00:27:11.590 cancers and health conditions,

NOTE Confidence: 0.865616292

00:27:11.590 --> 00:27:15.246 and so that is something that people can.

NOTE Confidence: 0.865616292

00:27:15.250 --> 00:27:17.362 Focus on to reduce their risk

NOTE Confidence: 0.865616292

00:27:17.362 --> 00:27:19.460 even more is not smoking.

NOTE Confidence: 0.929070398461539

00:27:20.960 --> 00:27:23.914 And it sounds like you know if

NOTE Confidence: 0.929070398461539

00:27:23.914 --> 00:27:27.100 if you were to get vaccinated.

NOTE Confidence: 0.929070398461539

00:27:27.100 --> 00:27:30.159 You reduce your risk of developing this.

NOTE Confidence: 0.929070398461539

00:27:30.160 --> 00:27:32.920 You still need to get these HPV tests

NOTE Confidence: 0.929070398461539

00:27:32.920 --> 00:27:36.224 and so do you still get them every three

NOTE Confidence: 0.929070398461539

00:27:36.224 --> 00:27:39.380 years as you would otherwise. Once

NOTE Confidence: 0.828921021666667

00:27:39.390 --> 00:27:42.168 someone is age 30 or older,

NOTE Confidence: 0.828921021666667

00:27:42.170 --> 00:27:44.998 if they have a negative HPV test,

NOTE Confidence: 0.828921021666667

00:27:45.000 --> 00:27:46.825 those screening can be spaced

NOTE Confidence: 0.828921021666667

00:27:46.825 --> 00:27:48.650 out to every five years.

NOTE Confidence: 0.828921021666667

00:27:48.650 --> 00:27:50.426 That's one of the other beauties

NOTE Confidence: 0.828921021666667

00:27:50.426 --> 00:27:52.354 of HPV testing is 'cause it's

NOTE Confidence: 0.828921021666667

00:27:52.354 --> 00:27:54.049 testing for the risk factor,

NOTE Confidence: 0.828921021666667

00:27:54.050 --> 00:27:57.590 and so a negative test space is you out more.

NOTE Confidence: 0.8495437325

00:27:58.370 --> 00:28:00.596 So the last question I have for

NOTE Confidence: 0.8495437325

00:28:00.596 --> 00:28:03.802 you is when do people stop getting

NOTE Confidence: 0.8495437325

00:28:03.802 --> 00:28:05.690 screened for cervical cancer?

NOTE Confidence: 0.8495437325

00:28:05.690 --> 00:28:07.238 Is there an upper age limit?

NOTE Confidence: 0.779748601428571

00:28:07.710 --> 00:28:10.178 If someone has had

NOTE Confidence: 0.779748601428571

00:28:10.178 --> 00:28:12.029 adequate negative testing,

NOTE Confidence: 0.779748601428571

00:28:12.030 --> 00:28:15.032 we can stop starting at age 65.

NOTE Confidence: 0.779748601428571

00:28:15.032 --> 00:28:19.666 Sometimes it's hard to have that information,

NOTE Confidence: 0.779748601428571

00:28:19.670 --> 00:28:22.239 and so often we can't stop somebody

NOTE Confidence: 0.779748601428571

00:28:22.239 --> 00:28:25.168 at that age and the other situation

NOTE Confidence: 0.779748601428571

00:28:25.168 --> 00:28:27.790 would be if someone had surgical

NOTE Confidence: 0.779748601428571

00:28:27.872 --> 00:28:30.446 removal of the uterus and cervix.

NOTE Confidence: 0.708845356666667

00:28:30.900 --> 00:28:33.252 Dr Sangini Sheth is an associate

NOTE Confidence: 0.708845356666667

00:28:33.252 --> 00:28:34.428 professor of obstetrics,

NOTE Confidence: 0.708845356666667

00:28:34.430 --> 00:28:36.142 gynecology and reproductive sciences

NOTE Confidence: 0.708845356666667

00:28:36.142 --> 00:28:38.710 at the Yale School of Medicine.

NOTE Confidence: 0.708845356666667

00:28:38.710 --> 00:28:40.798 If you have questions,

NOTE Confidence: 0.708845356666667

00:28:40.798 --> 00:28:42.824 the address is canceranswers@yale.edu

NOTE Confidence: 0.708845356666667

00:28:42.824 --> 00:28:46.002 and past editions of the program are

NOTE Confidence: 0.708845356666667

00:28:46.002 --> 00:28:48.549 available in audio and written format.

NOTE Confidence: 0.708845356666667

00:28:48.550 --> 00:28:48.874 Gailcancercenter.org,

NOTE Confidence: 0.708845356666667

00:28:48.874 --> 00:28:51.466 we hope you'll join us next week to

NOTE Confidence: 0.708845356666667

00:28:51.466 --> 00:28:53.441 learn more about the fight against

NOTE Confidence: 0.708845356666667

00:28:53.441 --> 00:28:55.394 cancer here on Connecticut Public radio

NOTE Confidence: 0.708845356666667

00:28:55.394 --> 00:28:57.212 funding for Yale Cancer Answers is

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00:28:57.212 --> 00:29:00.000 provided by Smilow Cancer Hospital.