

WEBVTT

00:00:00.000 --> 00:00:03.198 Funding for Yale Cancer Answers is

NOTE Confidence: 0.934368003636363

00:00:03.198 --> 00:00:06.240 provided by Smilow Cancer Hospital.

NOTE Confidence: 0.934368003636363

00:00:06.240 --> 00:00:08.260 Welcome to Yale Cancer Answers

NOTE Confidence: 0.934368003636363

00:00:08.260 --> 00:00:10.280 with Doctor Anees Chagpar.

NOTE Confidence: 0.934368003636363

00:00:10.280 --> 00:00:12.150 Yale Cancer Answers features the

NOTE Confidence: 0.934368003636363

00:00:12.150 --> 00:00:13.646 latest information on cancer

NOTE Confidence: 0.934368003636363

00:00:13.646 --> 00:00:15.550 care by welcoming oncologists and

NOTE Confidence: 0.934368003636363

00:00:15.550 --> 00:00:17.758 specialists who are on the forefront

NOTE Confidence: 0.934368003636363

00:00:17.758 --> 00:00:19.517 of the battle to fight cancer.

NOTE Confidence: 0.934368003636363

00:00:19.520 --> 00:00:21.776 This week it's a conversation about

NOTE Confidence: 0.934368003636363

00:00:21.776 --> 00:00:24.240 cervical cancer with Doctor Mitchell Clark.

NOTE Confidence: 0.934368003636363

00:00:24.240 --> 00:00:25.890 Doctor Clark is an assistant

NOTE Confidence: 0.934368003636363

00:00:25.890 --> 00:00:27.292 professor of obstetrics, gynecology,

NOTE Confidence: 0.934368003636363

00:00:27.292 --> 00:00:28.940 and Reproductive sciences at

NOTE Confidence: 0.934368003636363

00:00:28.940 --> 00:00:31.000 the Yale School of Medicine,

NOTE Confidence: 0.934368003636363

00:00:31.000 --> 00:00:32.775 where Doctor Chagpar is a
NOTE Confidence: 0.934368003636363
00:00:32.775 --> 00:00:34.195 professor of surgical oncology.
NOTE Confidence: 0.962864102272727
00:00:36.280 --> 00:00:38.114 Mitchell, maybe we can start off by
NOTE Confidence: 0.962864102272727
00:00:38.114 --> 00:00:39.939 you telling us a little bit more
NOTE Confidence: 0.962864102272727
00:00:39.939 --> 00:00:41.839 about yourself and what it is you do.
NOTE Confidence: 0.906610118823529
00:00:42.280 --> 00:00:43.600 Absolutely. I'm
NOTE Confidence: 0.906610118823529
00:00:43.600 --> 00:00:45.580 originally from Canada and I've been
NOTE Confidence: 0.906610118823529
00:00:45.640 --> 00:00:47.320 here at Yale now for four years.
NOTE Confidence: 0.906610118823529
00:00:47.320 --> 00:00:50.360 Prior to that at the University of Toronto,
NOTE Confidence: 0.906610118823529
00:00:50.360 --> 00:00:52.383 where a lot of my research in
NOTE Confidence: 0.906610118823529
00:00:52.383 --> 00:00:53.793 clinical activity was around
NOTE Confidence: 0.906610118823529
00:00:53.793 --> 00:00:55.239 cervical cancer prevention,
NOTE Confidence: 0.906610118823529
00:00:55.240 --> 00:00:56.860 awareness and obviously treatment of
NOTE Confidence: 0.906610118823529
00:00:56.860 --> 00:00:58.480 those diagnosed with the disease.
NOTE Confidence: 0.906610118823529
00:00:58.480 --> 00:00:59.524 Here at Yale
NOTE Confidence: 0.906610118823529
00:00:59.524 --> 00:01:00.916 I'm a gynecologic oncologist

NOTE Confidence: 0.906610118823529

00:01:00.916 --> 00:01:03.628 and part of a really robust

NOTE Confidence: 0.906610118823529

00:01:03.628 --> 00:01:05.224 multidisciplinary team caring for

NOTE Confidence: 0.906610118823529

00:01:05.224 --> 00:01:07.359 women with gynecologic cancers,

NOTE Confidence: 0.906610118823529

00:01:07.360 --> 00:01:08.839 including cervical cancer.

NOTE Confidence: 0.929857663

00:01:09.000 --> 00:01:10.920 So let's talk a little bit

NOTE Confidence: 0.929857663

00:01:10.920 --> 00:01:12.200 more about cervical cancer.

NOTE Confidence: 0.929857663

00:01:12.200 --> 00:01:15.467 Can you kind of paint us a broad

NOTE Confidence: 0.929857663

00:01:15.467 --> 00:01:18.360 overview of what exactly is the disease?

NOTE Confidence: 0.929857663

00:01:18.360 --> 00:01:22.170 How common is it?

NOTE Confidence: 0.929857663

00:01:22.170 --> 00:01:24.320 What's the mortality from it?

NOTE Confidence: 0.929857663

00:01:24.320 --> 00:01:25.902 I feel like a lot of us

NOTE Confidence: 0.929857663

00:01:25.902 --> 00:01:27.000 talk about cervical cancer,

NOTE Confidence: 0.929857663

00:01:27.000 --> 00:01:29.040 but we might not know the real details.

NOTE Confidence: 0.944545186190476

00:01:29.520 --> 00:01:30.468 Absolutely.

NOTE Confidence: 0.944545186190476

00:01:30.468 --> 00:01:32.364 We're very fortunate in this country

NOTE Confidence: 0.944545186190476

00:01:32.364 --> 00:01:34.140 to have seen a dramatic decrease
NOTE Confidence: 0.944545186190476

00:01:34.140 --> 00:01:35.960 in the rates of cervical cancer,
NOTE Confidence: 0.944545186190476

00:01:35.960 --> 00:01:38.360 both in incidence and mortality.
NOTE Confidence: 0.944545186190476

00:01:38.360 --> 00:01:40.151 And a lot of that has to do with
NOTE Confidence: 0.944545186190476

00:01:40.151 --> 00:01:41.799 our robust screening program.
NOTE Confidence: 0.944545186190476

00:01:41.800 --> 00:01:44.473 So many women are aware of the Pap smear,
NOTE Confidence: 0.944545186190476

00:01:44.480 --> 00:01:46.598 something that they talk very often
NOTE Confidence: 0.944545186190476

00:01:46.598 --> 00:01:48.653 with their gynecologists with and the
NOTE Confidence: 0.944545186190476

00:01:48.653 --> 00:01:50.704 design around that is to prevent these
NOTE Confidence: 0.944545186190476

00:01:50.704 --> 00:01:52.387 cancers and to detect them before
NOTE Confidence: 0.944545186190476

00:01:52.387 --> 00:01:54.400 they even have a chance to develop.
NOTE Confidence: 0.944545186190476

00:01:54.400 --> 00:01:56.100 And so women will meet
NOTE Confidence: 0.944545186190476

00:01:56.100 --> 00:01:57.120 with their gynecologist,
NOTE Confidence: 0.944545186190476

00:01:57.120 --> 00:01:59.272 have a Pap smear performed in a certain
NOTE Confidence: 0.944545186190476

00:01:59.272 --> 00:02:01.556 interval of time and we try to detect these,
NOTE Confidence: 0.944545186190476

00:02:01.560 --> 00:02:02.424 like I said,

NOTE Confidence: 0.944545186190476

00:02:02.424 --> 00:02:04.440 before we even develop into a cancer.

NOTE Confidence: 0.944545186190476

00:02:04.440 --> 00:02:05.334 Because of that,

NOTE Confidence: 0.944545186190476

00:02:05.334 --> 00:02:07.122 we've seen a real decrease in

NOTE Confidence: 0.944545186190476

00:02:07.122 --> 00:02:08.798 the rates of this disease.

NOTE Confidence: 0.944545186190476

00:02:08.800 --> 00:02:11.368 However, we do still continue to

NOTE Confidence: 0.944545186190476

00:02:11.368 --> 00:02:13.600 see patients present to the clinic,

NOTE Confidence: 0.944545186190476

00:02:13.600 --> 00:02:15.105 often those who are not up to

NOTE Confidence: 0.944545186190476

00:02:15.105 --> 00:02:16.280 date with their screening,

NOTE Confidence: 0.944545186190476

00:02:16.280 --> 00:02:17.840 not up to date with the Pap smear,

NOTE Confidence: 0.944545186190476

00:02:17.840 --> 00:02:19.500 who have unfortunately gone on

NOTE Confidence: 0.944545186190476

00:02:19.500 --> 00:02:21.160 to develop a cervical cancer.

NOTE Confidence: 0.944545186190476

00:02:21.160 --> 00:02:22.189 Often times though,

NOTE Confidence: 0.944545186190476

00:02:22.189 --> 00:02:23.904 these are still diagnosed at

NOTE Confidence: 0.944545186190476

00:02:23.904 --> 00:02:25.963 early stage because unlike many

NOTE Confidence: 0.944545186190476

00:02:25.963 --> 00:02:27.277 other gynecologic cancers,

NOTE Confidence: 0.944545186190476

00:02:27.280 --> 00:02:29.191 they often have a symptom and for
NOTE Confidence: 0.944545186190476

00:02:29.191 --> 00:02:30.907 many women that can be bleeding
NOTE Confidence: 0.944545186190476

00:02:30.907 --> 00:02:32.581 that is either irregular or out
NOTE Confidence: 0.944545186190476

00:02:32.581 --> 00:02:34.200 of sync with their menses,
NOTE Confidence: 0.944545186190476

00:02:34.200 --> 00:02:35.952 or bleeding in the post menopausal
NOTE Confidence: 0.944545186190476

00:02:35.952 --> 00:02:37.559 period when women have ceased
NOTE Confidence: 0.944545186190476

00:02:37.559 --> 00:02:39.079 having their menstrual period.
NOTE Confidence: 0.944545186190476

00:02:39.080 --> 00:02:40.394 Because of this,
NOTE Confidence: 0.944545186190476

00:02:40.394 --> 00:02:42.584 women present early where treatment
NOTE Confidence: 0.944545186190476

00:02:42.584 --> 00:02:44.480 options continue to be very
NOTE Confidence: 0.944545186190476

00:02:44.480 --> 00:02:46.160 favorable and for most women,
NOTE Confidence: 0.944545186190476

00:02:46.160 --> 00:02:47.913 they will experience a good
NOTE Confidence: 0.944545186190476

00:02:47.913 --> 00:02:49.878 outcome from their cancer care,
NOTE Confidence: 0.944545186190476

00:02:49.880 --> 00:02:52.057 meaning that we're able to treat these
NOTE Confidence: 0.944545186190476

00:02:52.057 --> 00:02:53.396 with curative, definitive intent.
NOTE Confidence: 0.944545186190476

00:02:53.396 --> 00:02:53.754 However,

NOTE Confidence: 0.944545186190476
00:02:53.754 --> 00:02:56.260 of course we will see and care
NOTE Confidence: 0.944545186190476
00:02:56.324 --> 00:02:58.586 for women who present with more
NOTE Confidence: 0.944545186190476
00:02:58.586 --> 00:02:59.717 advanced stage disease, and
00:03:02.240 --> 00:03:03.524 there have never been as many
NOTE Confidence: 0.944545186190476
00:03:03.524 --> 00:03:05.047 options now as there have been
NOTE Confidence: 0.944545186190476
00:03:05.047 --> 00:03:06.482 in the past to care for those
NOTE Confidence: 0.944545186190476
00:03:06.534 --> 00:03:08.074 women who unfortunately do come
NOTE Confidence: 0.944545186190476
00:03:08.074 --> 00:03:08.998 with advanced disease.
NOTE Confidence: 0.885203705
00:03:10.320 --> 00:03:13.720 So let's talk a little bit more about
NOTE Confidence: 0.885203705
00:03:13.720 --> 00:03:16.252 how we can detect
NOTE Confidence: 0.885203705
00:03:16.252 --> 00:03:17.518 cervical cancer early.
NOTE Confidence: 0.885203705
00:03:17.520 --> 00:03:19.200 Can you talk a little bit more
NOTE Confidence: 0.885203705
00:03:19.200 --> 00:03:20.651 about some of the guidelines
NOTE Confidence: 0.885203705
00:03:20.651 --> 00:03:21.995 in terms of screening?
NOTE Confidence: 0.914042474761905
00:03:22.360 --> 00:03:24.385 Absolutely. We're very fortunate that
NOTE Confidence: 0.914042474761905
00:03:24.385 --> 00:03:27.671 this is one cancer where there is robust

NOTE Confidence: 0.914042474761905

00:03:27.671 --> 00:03:30.200 data to support the use of screening.

NOTE Confidence: 0.914042474761905

00:03:30.200 --> 00:03:31.898 Unlike other cancers like ovarian or

NOTE Confidence: 0.914042474761905

00:03:31.898 --> 00:03:33.800 uterine where we don't have that data,

NOTE Confidence: 0.914042474761905

00:03:33.800 --> 00:03:36.124 the Pap smear has really been effective

NOTE Confidence: 0.914042474761905

00:03:36.124 --> 00:03:38.152 at detecting pre invasive disease or

NOTE Confidence: 0.914042474761905

00:03:38.152 --> 00:03:40.399 changes in the cells of the cervix

NOTE Confidence: 0.914042474761905

00:03:40.459 --> 00:03:42.475 before they develop into a cancer.

NOTE Confidence: 0.914042474761905

00:03:42.480 --> 00:03:45.189 One of the most important discoveries has

NOTE Confidence: 0.914042474761905

00:03:45.189 --> 00:03:47.915 been the association of the HPV virus in

NOTE Confidence: 0.914042474761905

00:03:47.915 --> 00:03:50.158 its development and role in cervical cancer.

NOTE Confidence: 0.914042474761905

00:03:50.158 --> 00:03:53.060 And so beginning all the way back in

NOTE Confidence: 0.914042474761905

00:03:53.060 --> 00:03:55.895 adolescence now we know it's important to

NOTE Confidence: 0.914042474761905

00:03:55.895 --> 00:03:57.988 offer vaccination to both boys and girls

NOTE Confidence: 0.914042474761905

00:03:57.988 --> 00:04:01.732 ages 9 to 11 to help prevent HPV infection

NOTE Confidence: 0.914042474761905

00:04:01.732 --> 00:04:03.840 and eliminate or dramatically reduce

NOTE Confidence: 0.914042474761905

00:04:03.840 --> 00:04:05.800 that risk of developing down the road.

NOTE Confidence: 0.914042474761905

00:04:05.800 --> 00:04:07.752 And so that data is very strong and

NOTE Confidence: 0.914042474761905

00:04:07.752 --> 00:04:09.360 supported by a number of different

NOTE Confidence: 0.914042474761905

00:04:09.360 --> 00:04:11.528 medical groups including Pediatrics.

NOTE Confidence: 0.914042474761905

00:04:11.528 --> 00:04:14.460 For those women who then either

NOTE Confidence: 0.914042474761905

00:04:14.460 --> 00:04:16.000 do or do not receive the vaccine,

NOTE Confidence: 0.914042474761905

00:04:16.000 --> 00:04:18.254 the guidelines for screening with the Pap

NOTE Confidence: 0.914042474761905

00:04:18.254 --> 00:04:20.517 smear are still the same at this time.

NOTE Confidence: 0.914042474761905

00:04:20.520 --> 00:04:22.560 That may change down the road,

NOTE Confidence: 0.914042474761905

00:04:22.560 --> 00:04:25.032 but for now we've come up with

NOTE Confidence: 0.914042474761905

00:04:25.032 --> 00:04:26.849 a combination test where we screen

NOTE Confidence: 0.914042474761905

00:04:26.849 --> 00:04:29.359 for both the HPV virus in the cells

NOTE Confidence: 0.914042474761905

00:04:29.360 --> 00:04:31.328 and the presence of any microscopic

NOTE Confidence: 0.914042474761905

00:04:31.328 --> 00:04:33.184 changes when our cytopathologists

NOTE Confidence: 0.914042474761905

00:04:33.184 --> 00:04:35.696 look under the microscope and if

NOTE Confidence: 0.914042474761905

00:04:35.696 --> 00:04:37.424 women have negative results from both

NOTE Confidence: 0.914042474761905
00:04:37.424 --> 00:04:38.840 the HPV and the cells,
NOTE Confidence: 0.914042474761905
00:04:38.840 --> 00:04:40.848 they're actually eligible to
NOTE Confidence: 0.914042474761905
00:04:40.848 --> 00:04:43.358 be screened every five years.
NOTE Confidence: 0.914042474761905
00:04:43.360 --> 00:04:45.844 And for a lot of patients and for
NOTE Confidence: 0.914042474761905
00:04:45.844 --> 00:04:48.245 women that has been a big change from
NOTE Confidence: 0.914042474761905
00:04:48.245 --> 00:04:50.520 what used to be an annual screening.
NOTE Confidence: 0.914042474761905
00:04:50.520 --> 00:04:53.248 But we know that the association of a
NOTE Confidence: 0.914042474761905
00:04:53.248 --> 00:04:55.692 negative HPV test with that screening
NOTE Confidence: 0.914042474761905
00:04:55.692 --> 00:04:58.230 confers a strong degree of protection
NOTE Confidence: 0.914042474761905
00:04:58.299 --> 00:05:00.955 over the course of the next five years.
NOTE Confidence: 0.914042474761905
00:05:00.960 --> 00:05:02.570 And so women can feel reassured that
NOTE Confidence: 0.914042474761905
00:05:02.570 --> 00:05:04.459 they have a very low likelihood of going
NOTE Confidence: 0.914042474761905
00:05:04.459 --> 00:05:06.421 on to develop a pre cancer or cancer
NOTE Confidence: 0.914042474761905
00:05:06.421 --> 00:05:10.280 of the cervix in the subsequent five years.
NOTE Confidence: 0.914042474761905
00:05:10.280 --> 00:05:12.920 In terms of detection though,
NOTE Confidence: 0.914042474761905

00:05:12.920 --> 00:05:13.964 and moving beyond screening,
NOTE Confidence: 0.914042474761905

00:05:13.964 --> 00:05:15.530 patients need to present to the
NOTE Confidence: 0.914042474761905

00:05:15.574 --> 00:05:17.242 gynecologist in the interim if they
NOTE Confidence: 0.914042474761905

00:05:17.242 --> 00:05:18.890 feel that they're developing any of
NOTE Confidence: 0.914042474761905

00:05:18.890 --> 00:05:20.354 those symptoms I talked about earlier.
NOTE Confidence: 0.966519037

00:05:22.120 --> 00:05:25.004 And so can you talk a little
NOTE Confidence: 0.966519037

00:05:25.004 --> 00:05:26.898 bit more about HPV vaccinations?
NOTE Confidence: 0.966519037

00:05:26.898 --> 00:05:30.411 I mean, it seems like we talk a lot about
NOTE Confidence: 0.966519037

00:05:30.411 --> 00:05:33.232 HPV in the association with cervical cancer,
NOTE Confidence: 0.966519037

00:05:33.240 --> 00:05:36.120 but some people might still be
NOTE Confidence: 0.966519037

00:05:36.120 --> 00:05:38.040 unaware about HPV vaccination,
NOTE Confidence: 0.966519037

00:05:38.040 --> 00:05:40.632 who should get it, when they should get it.
NOTE Confidence: 0.966519037

00:05:40.640 --> 00:05:44.090 And I understand that now the age guidelines
NOTE Confidence: 0.966519037

00:05:44.090 --> 00:05:46.515 for HPV vaccination have expanded.
NOTE Confidence: 0.966519037

00:05:46.520 --> 00:05:48.320 Can you talk a little bit more about that?
NOTE Confidence: 0.9299149475

00:05:48.520 --> 00:05:51.012 Absolutely. This is one of my favorite

NOTE Confidence: 0.9299149475

00:05:51.012 --> 00:05:53.488 topics because I think it's a unique

NOTE Confidence: 0.9299149475

00:05:53.488 --> 00:05:56.240 example of a vaccine that can be thought

NOTE Confidence: 0.9299149475

00:05:56.314 --> 00:05:58.678 of as a cancer prevention strategy.

NOTE Confidence: 0.9299149475

00:05:58.680 --> 00:06:00.997 I think when this first came out

NOTE Confidence: 0.9299149475

00:06:01.000 --> 00:06:03.118 in the early 2000s,

NOTE Confidence: 0.9299149475

00:06:03.120 --> 00:06:05.451 there was a lot of reluctance around

NOTE Confidence: 0.9299149475

00:06:05.451 --> 00:06:07.803 providing a vaccine that was associated

NOTE Confidence: 0.9299149475

00:06:07.803 --> 00:06:09.958 with a sexually transmitted infection.

NOTE Confidence: 0.9299149475

00:06:09.960 --> 00:06:12.894 However, we've seen just a dramatic

NOTE Confidence: 0.9299149475

00:06:12.894 --> 00:06:15.880 reduction in HPV associated cancers in

NOTE Confidence: 0.9299149475

00:06:15.880 --> 00:06:18.680 patients who use this vaccine early on.

NOTE Confidence: 0.9299149475

00:06:18.680 --> 00:06:21.340 And so the ideal time to offer

NOTE Confidence: 0.9299149475

00:06:21.340 --> 00:06:23.802 vaccination is really in that adolescent

NOTE Confidence: 0.9299149475

00:06:23.802 --> 00:06:26.714 period prior to first exposure to HPV.

NOTE Confidence: 0.9299149475

00:06:26.720 --> 00:06:28.316 And so we typically say between

NOTE Confidence: 0.9299149475

00:06:28.316 --> 00:06:30.719 the ages of 9 to 11 and I
NOTE Confidence: 0.9299149475

00:06:30.719 --> 00:06:31.995 would strongly encourage women,
NOTE Confidence: 0.9299149475

00:06:32.000 --> 00:06:32.938 men, parents,
NOTE Confidence: 0.9299149475

00:06:32.938 --> 00:06:35.752 grandparents, to have a very frank
NOTE Confidence: 0.9299149475

00:06:35.752 --> 00:06:38.169 conversation with the pediatricians about
NOTE Confidence: 0.9299149475

00:06:38.169 --> 00:06:41.452 ensuring that the HPV vaccine is included
NOTE Confidence: 0.9299149475

00:06:41.525 --> 00:06:44.316 in the vaccine series for girls and boys.
NOTE Confidence: 0.9299149475

00:06:44.316 --> 00:06:46.696 We know from some internal data in
NOTE Confidence: 0.9299149475

00:06:46.696 --> 00:06:49.066 the state of Connecticut that the
NOTE Confidence: 0.9299149475

00:06:49.066 --> 00:06:51.179 other vaccines recommended at 9 to 11
NOTE Confidence: 0.9299149475

00:06:51.179 --> 00:06:53.195 have an uptake rate over 90%.
NOTE Confidence: 0.9299149475

00:06:53.200 --> 00:06:55.558 But completion of the HPV vaccine
NOTE Confidence: 0.9299149475

00:06:55.558 --> 00:06:57.897 series in our state remains very
NOTE Confidence: 0.9299149475

00:06:57.897 --> 00:06:59.955 low at around 50 to 60%.
NOTE Confidence: 0.9299149475

00:06:59.960 --> 00:07:01.560 And there's really no reason
NOTE Confidence: 0.9299149475

00:07:01.560 --> 00:07:02.840 for this other than

00:07:03.762 --> 00:07:05.606 some misinformation and reluctance
NOTE Confidence: 0.9299149475

00:07:05.606 --> 00:07:07.882 on providers and sometimes parents
NOTE Confidence: 0.9299149475

00:07:07.882 --> 00:07:10.437 in seeing the benefit to the vaccine.
NOTE Confidence: 0.9299149475

00:07:10.440 --> 00:07:12.520 Although I don't treat head and neck cancer,
NOTE Confidence: 0.9299149475

00:07:12.520 --> 00:07:14.788 we are seeing a really robust set
NOTE Confidence: 0.9299149475

00:07:14.788 --> 00:07:16.590 of studies coming out demonstrating
NOTE Confidence: 0.9299149475

00:07:16.590 --> 00:07:18.876 the association of HPV with cancers
NOTE Confidence: 0.9299149475

00:07:18.876 --> 00:07:20.600 of the head and neck.
NOTE Confidence: 0.9299149475

00:07:20.600 --> 00:07:23.180 And just another reason to reinforce
NOTE Confidence: 0.9299149475

00:07:23.180 --> 00:07:25.310 the parents and to children who are
NOTE Confidence: 0.9299149475

00:07:25.310 --> 00:07:26.926 taking the vaccine that we should
NOTE Confidence: 0.9299149475

00:07:26.926 --> 00:07:28.984 really look at this as a cancer
NOTE Confidence: 0.9299149475

00:07:28.984 --> 00:07:30.543 prevention strategy as opposed to
NOTE Confidence: 0.9299149475

00:07:30.543 --> 00:07:32.063 something that is associated with
NOTE Confidence: 0.9299149475

00:07:32.063 --> 00:07:33.736 an infection that's acquired through
NOTE Confidence: 0.9299149475

00:07:33.736 --> 00:07:34.440 sexual activity.

NOTE Confidence: 0.899574332222222

00:07:35.400 --> 00:07:40.314 The reluctance on

NOTE Confidence: 0.899574332222222

00:07:40.314 --> 00:07:45.078 people to take this vaccine I think is

NOTE Confidence: 0.899574332222222

00:07:45.078 --> 00:07:45.996 really concerning.

NOTE Confidence: 0.899574332222222

00:07:46.000 --> 00:07:47.666 And we've seen this not only

NOTE Confidence: 0.899574332222222

00:07:47.666 --> 00:07:49.719 in our own state as you mentioned,

NOTE Confidence: 0.899574332222222

00:07:49.720 --> 00:07:53.080 but even globally.

NOTE Confidence: 0.899574332222222

00:07:53.080 --> 00:07:55.720 And I think

NOTE Confidence: 0.899574332222222

00:07:55.720 --> 00:07:58.216 part of it is that

NOTE Confidence: 0.899574332222222

00:07:58.216 --> 00:08:00.280 parents may say,

NOTE Confidence: 0.899574332222222

00:08:00.280 --> 00:08:03.220 my child is not going to engage

NOTE Confidence: 0.899574332222222

00:08:03.220 --> 00:08:06.320 in premarital sexual activity.

NOTE Confidence: 0.899574332222222

00:08:06.320 --> 00:08:09.981 And so why should I vaccinate them

NOTE Confidence: 0.899574332222222

00:08:09.981 --> 00:08:13.200 between the ages of nine and 11?

NOTE Confidence: 0.899574332222222

00:08:13.200 --> 00:08:15.384 Can you talk a little

NOTE Confidence: 0.899574332222222

00:08:15.384 --> 00:08:17.160 bit more about about that?

NOTE Confidence: 0.857562113333333

00:08:17.760 --> 00:08:18.972 Absolutely,
NOTE Confidence: 0.857562113333333
00:08:18.972 --> 00:08:21.396 it's parents and it's also providers.
NOTE Confidence: 0.857562113333333
00:08:21.400 --> 00:08:23.256 We've done a lot of work internally
NOTE Confidence: 0.857562113333333
00:08:23.256 --> 00:08:25.040 here in the state of Connecticut.
NOTE Confidence: 0.857562113333333
00:08:25.040 --> 00:08:27.096 I work with the Department of Health on
NOTE Confidence: 0.857562113333333
00:08:27.096 --> 00:08:30.825 this in educating both our Pediatrics
NOTE Confidence: 0.857562113333333
00:08:30.825 --> 00:08:32.852 colleagues around ways to bring
NOTE Confidence: 0.857562113333333
00:08:32.852 --> 00:08:34.517 up these discussions with parents.
NOTE Confidence: 0.857562113333333
00:08:34.520 --> 00:08:35.636 There's a lot of
NOTE Confidence: 0.857562113333333
00:08:35.640 --> 00:08:37.848 people who still feel uncomfortable for some
NOTE Confidence: 0.857562113333333
00:08:37.848 --> 00:08:40.124 reason or another addressing a sexually
NOTE Confidence: 0.857562113333333
00:08:40.124 --> 00:08:43.559 related topic in a patient of that age.
NOTE Confidence: 0.857562113333333
00:08:43.560 --> 00:08:46.350 But the data really speaks for itself and I
NOTE Confidence: 0.857562113333333
00:08:46.350 --> 00:08:49.260 think changing the narrative like I said,
NOTE Confidence: 0.857562113333333
00:08:49.260 --> 00:08:52.347 to reinforcing this is to prevent a
NOTE Confidence: 0.857562113333333
00:08:52.347 --> 00:08:55.434 cancer far down the road.

NOTE Confidence: 0.857562113333333

00:08:55.440 --> 00:08:58.736 You know, we're not looking to provide

NOTE Confidence: 0.857562113333333

00:08:58.736 --> 00:09:01.472 some sort of assurance to adolescents

NOTE Confidence: 0.857562113333333

00:09:01.472 --> 00:09:04.132 that are having unprotected sex that it is safe

NOTE Confidence: 0.857562113333333

00:09:04.132 --> 00:09:05.756 because they're vaccinated.

NOTE Confidence: 0.857562113333333

00:09:05.760 --> 00:09:07.050 But really what we are looking

NOTE Confidence: 0.857562113333333

00:09:07.050 --> 00:09:08.439 at is the long game here,

NOTE Confidence: 0.857562113333333

00:09:08.440 --> 00:09:10.960 which is to prevent a cancer,

NOTE Confidence: 0.857562113333333

00:09:10.960 --> 00:09:12.480 a multitude of cancers actually,

NOTE Confidence: 0.857562113333333

00:09:12.480 --> 00:09:14.820 not just cervical cancer that

NOTE Confidence: 0.857562113333333

00:09:14.820 --> 00:09:17.160 could be really life limiting.

NOTE Confidence: 0.857562113333333

00:09:17.160 --> 00:09:19.592 And looking at the sort of long

NOTE Confidence: 0.857562113333333

00:09:19.592 --> 00:09:21.458 term investment of this very safe

NOTE Confidence: 0.857562113333333

00:09:21.458 --> 00:09:23.040 vaccine that has now been around

NOTE Confidence: 0.857562113333333

00:09:23.040 --> 00:09:24.320 for over a decade.

00:09:29.440 --> 00:09:30.920 If somebody is listening

NOTE Confidence: 0.897982256

00:09:30.920 --> 00:09:32.736 to this and they think, OK,

NOTE Confidence: 0.897982256

00:09:32.736 --> 00:09:35.424 I get it, but my child is now

NOTE Confidence: 0.897982256

00:09:35.424 --> 00:09:38.379 beyond the age of 9 to 11 and maybe

NOTE Confidence: 0.897982256

00:09:38.379 --> 00:09:40.628 they're in their late teens,

NOTE Confidence: 0.897982256

00:09:40.628 --> 00:09:42.913 maybe even their early 20s,

NOTE Confidence: 0.897982256

00:09:42.920 --> 00:09:44.396 can they still get the vaccine?

NOTE Confidence: 0.96292017

00:09:44.720 --> 00:09:47.653 Absolutely. We've got a great

NOTE Confidence: 0.96292017

00:09:47.653 --> 00:09:49.651 data set and clinical trials

NOTE Confidence: 0.96292017

00:09:49.651 --> 00:09:51.004 showing effectiveness in what

NOTE Confidence: 0.96292017

00:09:51.004 --> 00:09:52.798 we're calling the catch up cohort.

NOTE Confidence: 0.96292017

00:09:52.800 --> 00:09:54.438 So those are a group of people

NOTE Confidence: 0.96292017

00:09:54.438 --> 00:09:56.049 who did not have the opportunity

NOTE Confidence: 0.96292017

00:09:56.049 --> 00:09:58.037 or maybe chose not to take the

NOTE Confidence: 0.96292017

00:09:58.095 --> 00:10:00.237 vaccine in the earlier years

NOTE Confidence: 0.96292017

00:10:00.237 --> 00:10:01.596 when it's initially recommended.

NOTE Confidence: 0.96292017

00:10:01.596 --> 00:10:04.212 But we do still see statistically

NOTE Confidence: 0.96292017

00:10:04.212 --> 00:10:06.334 significant benefits in a reduction
NOTE Confidence: 0.96292017

00:10:06.334 --> 00:10:08.204 of HPV associated illnesses and
NOTE Confidence: 0.96292017

00:10:08.204 --> 00:10:10.436 cancers in those people taking the
NOTE Confidence: 0.96292017

00:10:10.436 --> 00:10:12.879 vaccine really up until their mid 20s.
NOTE Confidence: 0.96292017

00:10:12.880 --> 00:10:14.770 There is some new data to say
NOTE Confidence: 0.96292017

00:10:14.770 --> 00:10:16.855 that up until the sort of early
NOTE Confidence: 0.96292017

00:10:16.855 --> 00:10:18.360 40s there may be benefit,
NOTE Confidence: 0.96292017

00:10:18.360 --> 00:10:20.286 but it's quite individualized and the
NOTE Confidence: 0.96292017

00:10:20.286 --> 00:10:22.164 recommendation is for for people to
NOTE Confidence: 0.96292017

00:10:22.164 --> 00:10:24.054 discuss with their provider to see if
NOTE Confidence: 0.96292017

00:10:24.054 --> 00:10:25.957 maybe they would be a good candidate.
NOTE Confidence: 0.96292017

00:10:25.960 --> 00:10:27.628 But if we're looking at the
NOTE Confidence: 0.96292017

00:10:27.628 --> 00:10:29.670 cost benefit here or
NOTE Confidence: 0.96292017

00:10:29.670 --> 00:10:30.834 the risk benefit analysis,
NOTE Confidence: 0.96292017

00:10:30.840 --> 00:10:32.440 this vaccine is very safe.
NOTE Confidence: 0.96292017

00:10:32.440 --> 00:10:34.757 We don't see any major safety signals.

NOTE Confidence: 0.96292017

00:10:34.760 --> 00:10:37.248 This has been around for a long time and

NOTE Confidence: 0.96292017

00:10:37.248 --> 00:10:39.872 if you can confer any reduction in risk,

NOTE Confidence: 0.96292017

00:10:39.880 --> 00:10:42.211 I think it's a really worthwhile

NOTE Confidence: 0.96292017

00:10:42.211 --> 00:10:44.288 conversation for both these teens

NOTE Confidence: 0.96292017

00:10:44.288 --> 00:10:46.718 and 20 year olds to

NOTE Confidence: 0.96292017

00:10:49.742 --> 00:10:50.998 have with their doctors.

NOTE Confidence: 0.9442628775

00:10:52.240 --> 00:10:54.565 Is the vaccine covered by

NOTE Confidence: 0.9442628775

00:10:54.565 --> 00:10:56.320 most health plans?

NOTE Confidence: 0.913681879166667

00:10:56.320 --> 00:10:58.990 Yes, most health plans do cover this

NOTE Confidence: 0.913681879166667

00:10:58.990 --> 00:11:01.797 because it is recommended by both the

NOTE Confidence: 0.913681879166667

00:11:01.797 --> 00:11:04.179 CDC and many major organizations

NOTE Confidence: 0.913681879166667

00:11:04.179 --> 00:11:07.637 who make our sort of national

NOTE Confidence: 0.913681879166667

00:11:07.637 --> 00:11:09.275 guidelines around vaccination.

NOTE Confidence: 0.913681879166667

00:11:09.280 --> 00:11:11.352 And in the state of Connecticut for

NOTE Confidence: 0.913681879166667

00:11:11.352 --> 00:11:13.564 certain age groups it's covered as well.

NOTE Confidence: 0.913681879166667

00:11:13.564 --> 00:11:15.334 So these are things
NOTE Confidence: 0.913681879166667

00:11:15.334 --> 00:11:16.624 that you should definitely bring
NOTE Confidence: 0.913681879166667

00:11:16.624 --> 00:11:17.999 up with your pediatrician.
NOTE Confidence: 0.913681879166667

00:11:18.000 --> 00:11:20.544 And now we actually have a number of
NOTE Confidence: 0.913681879166667

00:11:20.544 --> 00:11:22.418 pharmacists and pharmacies that carry
NOTE Confidence: 0.913681879166667

00:11:22.418 --> 00:11:24.764 the vaccine and do not necessarily
NOTE Confidence: 0.913681879166667

00:11:24.764 --> 00:11:27.000 require the prescription of an MD.
NOTE Confidence: 0.913681879166667

00:11:27.000 --> 00:11:28.908 And so I think you certainly
NOTE Confidence: 0.913681879166667

00:11:28.908 --> 00:11:30.712 have that conversation with your
NOTE Confidence: 0.913681879166667

00:11:30.712 --> 00:11:32.119 trusted healthcare provider.
NOTE Confidence: 0.913681879166667

00:11:32.120 --> 00:11:33.320 And for those healthcare
NOTE Confidence: 0.913681879166667

00:11:33.320 --> 00:11:34.520 providers out there listening,
NOTE Confidence: 0.913681879166667

00:11:34.520 --> 00:11:36.625 I cannot reinforce enough the
NOTE Confidence: 0.913681879166667

00:11:36.625 --> 00:11:38.309 importance of your strong
NOTE Confidence: 0.913681879166667

00:11:38.309 --> 00:11:40.000 recommendation to parents and kids.
NOTE Confidence: 0.913681879166667

00:11:40.000 --> 00:11:42.436 We know that's the number one reason,

NOTE Confidence: 0.913681879166667
00:11:42.440 --> 00:11:44.660 or that is associated with vaccine
NOTE Confidence: 0.913681879166667
00:11:44.660 --> 00:11:46.140 uptake, is recommendation because
NOTE Confidence: 0.913681879166667
00:11:46.205 --> 00:11:48.085 you have that strong therapeutic
NOTE Confidence: 0.913681879166667
00:11:48.085 --> 00:11:49.965 relationship with your patients and
NOTE Confidence: 0.913681879166667
00:11:50.025 --> 00:11:51.925 their families and to either seek this
NOTE Confidence: 0.913681879166667
00:11:51.925 --> 00:11:53.463 through the clinic that you see that
NOTE Confidence: 0.913681879166667
00:11:53.463 --> 00:11:55.169 you get carrying or to see go to
NOTE Confidence: 0.913681879166667
00:11:55.169 --> 00:11:56.639 local pharmacy who has it in stock.
NOTE Confidence: 0.904871485882353
00:11:57.680 --> 00:12:00.102 Is the vaccine given in one shot
NOTE Confidence: 0.904871485882353
00:12:00.102 --> 00:12:03.061 or is it multiple shots that you
NOTE Confidence: 0.904871485882353
00:12:03.061 --> 00:12:05.800 require to get immunity?
NOTE Confidence: 0.86624038
00:12:05.800 --> 00:12:08.304 Great question. So it is designed to be a
NOTE Confidence: 0.86624038
00:12:08.304 --> 00:12:10.391 multi shot regimen depending on the
NOTE Confidence: 0.86624038
00:12:10.391 --> 00:12:13.159 age whether it will be two or three.
NOTE Confidence: 0.86624038
00:12:13.160 --> 00:12:15.608 Although we have seen some data
NOTE Confidence: 0.86624038

00:12:15.608 --> 00:12:17.990 coming out of countries that are lower
NOTE Confidence: 0.86624038

00:12:17.990 --> 00:12:20.408 middle income where access to a repeated
NOTE Confidence: 0.86624038

00:12:20.408 --> 00:12:22.676 series is not reasonable or feasible
NOTE Confidence: 0.86624038

00:12:22.676 --> 00:12:25.358 and there has been some very exciting
NOTE Confidence: 0.86624038

00:12:25.360 --> 00:12:26.932 results showing strong immunogenicity
NOTE Confidence: 0.86624038

00:12:26.932 --> 00:12:29.680 even if you just get one shot.
NOTE Confidence: 0.86624038

00:12:29.680 --> 00:12:32.248 Obviously we recommend patients get all
NOTE Confidence: 0.86624038

00:12:32.248 --> 00:12:35.797 two or all three depending on their age,
NOTE Confidence: 0.86624038

00:12:35.800 --> 00:12:37.515 but at least just getting the one
NOTE Confidence: 0.86624038

00:12:37.515 --> 00:12:39.500 seems to to confer some protection and
NOTE Confidence: 0.86624038

00:12:39.500 --> 00:12:41.680 that is long lasting at least.
NOTE Confidence: 0.961272151666667

00:12:42.440 --> 00:12:44.258 Can you clarify who gets two
NOTE Confidence: 0.961272151666667

00:12:44.258 --> 00:12:46.320 shots and who gets three shots?
NOTE Confidence: 0.961272151666667

00:12:46.320 --> 00:12:47.760 You mentioned that has
NOTE Confidence: 0.961272151666667

00:12:47.760 --> 00:12:49.360 something to do with age.
NOTE Confidence: 0.9594554425

00:12:49.360 --> 00:12:52.920 So in the younger 9 to 11 population,

NOTE Confidence: 0.9594554425

00:12:52.920 --> 00:12:55.710 the 2 is fine. Those of us in the catch

NOTE Confidence: 0.9594554425

00:12:55.782 --> 00:12:58.414 up cohort who would be getting it in

NOTE Confidence: 0.9594554425

00:12:58.414 --> 00:13:00.440 the early 20s would be the three shot.

NOTE Confidence: 0.935269300833333

00:13:01.400 --> 00:13:04.193 OK, so let's suppose you have a

NOTE Confidence: 0.935269300833333

00:13:04.193 --> 00:13:07.079 child who has gotten vaccinated.

NOTE Confidence: 0.935269300833333

00:13:07.080 --> 00:13:09.984 Do they still need Pap smears

NOTE Confidence: 0.935269300833333

00:13:09.984 --> 00:13:12.706 and HPV tests and if so,

NOTE Confidence: 0.935269300833333

00:13:12.706 --> 00:13:13.754 when should those start?

NOTE Confidence: 0.933524778571429

00:13:14.280 --> 00:13:15.400 That's a great question.

NOTE Confidence: 0.933524778571429

00:13:15.400 --> 00:13:18.135 For right now, we do not have any

NOTE Confidence: 0.933524778571429

00:13:18.135 --> 00:13:19.651 different guidelines for people

NOTE Confidence: 0.933524778571429

00:13:19.651 --> 00:13:22.279 who are vaccinated or unvaccinated.

NOTE Confidence: 0.933524778571429

00:13:22.280 --> 00:13:24.806 And the Pap smears usually start

NOTE Confidence: 0.933524778571429

00:13:24.806 --> 00:13:26.800 somewhere between 21 to 25.

NOTE Confidence: 0.933524778571429

00:13:26.800 --> 00:13:28.963 And we defer the HPV testing to

NOTE Confidence: 0.933524778571429

00:13:28.963 --> 00:13:30.944 around 30 just because we know
NOTE Confidence: 0.933524778571429

00:13:30.944 --> 00:13:32.918 this virus is so prevalent in
NOTE Confidence: 0.933524778571429

00:13:32.918 --> 00:13:35.252 the community and it takes many,
NOTE Confidence: 0.933524778571429

00:13:35.252 --> 00:13:37.959 many years for those cell changes to happen.
NOTE Confidence: 0.933524778571429

00:13:37.960 --> 00:13:39.199 So it can be a little complicated,
NOTE Confidence: 0.933524778571429

00:13:39.200 --> 00:13:41.387 but we have tried to make it as
NOTE Confidence: 0.933524778571429

00:13:41.387 --> 00:13:43.450 clear as possible for the
NOTE Confidence: 0.933524778571429

00:13:43.450 --> 00:13:45.719 family docs and gynos in the community.
NOTE Confidence: 0.933524778571429

00:13:45.720 --> 00:13:46.320 Perfect.
NOTE Confidence: 0.9385589

00:13:46.600 --> 00:13:48.070 Well, we need to take a short
NOTE Confidence: 0.9385589

00:13:48.070 --> 00:13:49.520 break for a medical minute.
NOTE Confidence: 0.9385589

00:13:49.520 --> 00:13:51.256 Please stay tuned to learn more about
NOTE Confidence: 0.9385589

00:13:51.256 --> 00:13:53.073 the care of patients with cervical
NOTE Confidence: 0.9385589

00:13:53.073 --> 00:13:55.107 cancer in honor of Cervical Cancer
NOTE Confidence: 0.9385589

00:13:55.107 --> 00:13:56.518 Awareness Month with my guest,
NOTE Confidence: 0.9385589

00:13:56.520 --> 00:13:57.600 Doctor Mitchell Clark.

NOTE Confidence: 0.909323426

00:13:58.160 --> 00:14:00.240 Funding for Yale Cancer Answers

NOTE Confidence: 0.909323426

00:14:00.240 --> 00:14:02.320 comes from Smilow Cancer Hospital,

NOTE Confidence: 0.909323426

00:14:02.320 --> 00:14:04.780 where the lung cancer Screening program

NOTE Confidence: 0.909323426

00:14:04.780 --> 00:14:07.238 provides screening to those at risk

NOTE Confidence: 0.909323426

00:14:07.238 --> 00:14:09.118 for lung cancer and individualized,

NOTE Confidence: 0.909323426

00:14:09.120 --> 00:14:11.880 state-of-the-art evaluation of lung nodules.

NOTE Confidence: 0.909323426

00:14:11.880 --> 00:14:16.760 To learn more visit smilocancerhospital.org.

NOTE Confidence: 0.909323426

00:14:16.760 --> 00:14:18.548 Breast cancer is one of the

NOTE Confidence: 0.909323426

00:14:18.548 --> 00:14:20.160 most common cancers in women.

NOTE Confidence: 0.909323426

00:14:20.160 --> 00:14:21.471 In Connecticut alone,

NOTE Confidence: 0.909323426

00:14:21.471 --> 00:14:23.656 approximately 3500 women will be

NOTE Confidence: 0.909323426

00:14:23.656 --> 00:14:26.118 diagnosed with breast cancer this year.

NOTE Confidence: 0.909323426

00:14:26.120 --> 00:14:27.695 But there is hope thanks

NOTE Confidence: 0.909323426

00:14:27.695 --> 00:14:28.640 to earlier detection,

NOTE Confidence: 0.909323426

00:14:28.640 --> 00:14:29.759 non invasive treatments,

NOTE Confidence: 0.909323426

00:14:29.759 --> 00:14:31.997 and the development of novel therapies.
NOTE Confidence: 0.909323426

00:14:32.000 --> 00:14:33.632 To fight breast cancer,
NOTE Confidence: 0.909323426

00:14:33.632 --> 00:14:36.080 women should schedule a baseline mammogram
NOTE Confidence: 0.909323426

00:14:36.143 --> 00:14:38.807 beginning at age 40 or earlier if they have
NOTE Confidence: 0.909323426

00:14:38.807 --> 00:14:41.399 risk factors associated with the disease.
NOTE Confidence: 0.909323426

00:14:41.400 --> 00:14:42.230 With screening,
NOTE Confidence: 0.909323426

00:14:42.230 --> 00:14:43.060 early detection,
NOTE Confidence: 0.909323426

00:14:43.060 --> 00:14:44.720 and a healthy lifestyle,
NOTE Confidence: 0.909323426

00:14:44.720 --> 00:14:46.920 breast cancer can be defeated.
NOTE Confidence: 0.909323426

00:14:46.920 --> 00:14:48.724 Clinical trials are currently
NOTE Confidence: 0.909323426

00:14:48.724 --> 00:14:50.528 underway at federally designated
NOTE Confidence: 0.909323426

00:14:50.528 --> 00:14:51.920 comprehensive cancer centers,
NOTE Confidence: 0.909323426

00:14:51.920 --> 00:14:53.820 such as Yale Cancer Center
NOTE Confidence: 0.909323426

00:14:53.820 --> 00:14:55.720 and Smilow Cancer Hospital,
NOTE Confidence: 0.909323426

00:14:55.720 --> 00:14:57.360 to make innovative new
NOTE Confidence: 0.909323426

00:14:57.360 --> 00:14:59.000 treatments available to patients.

NOTE Confidence: 0.909323426

00:14:59.000 --> 00:15:01.510 Digital breast tomosynthesis or 3D

NOTE Confidence: 0.909323426

00:15:01.510 --> 00:15:04.020 mammography is also transforming breast

NOTE Confidence: 0.909323426

00:15:04.088 --> 00:15:06.312 cancer screening by significantly

NOTE Confidence: 0.909323426

00:15:06.312 --> 00:15:07.980 reducing unnecessary procedures

NOTE Confidence: 0.909323426

00:15:07.980 --> 00:15:10.600 while picking up more cancers.

NOTE Confidence: 0.909323426

00:15:10.600 --> 00:15:12.872 More information is available

NOTE Confidence: 0.909323426

00:15:12.872 --> 00:15:13.965 at yalecancercenter.org.

NOTE Confidence: 0.909323426

00:15:13.965 --> 00:15:17.115 You're listening to Connecticut Public Radio.

NOTE Confidence: 0.909323426

00:15:17.120 --> 00:15:17.560 Welcome

NOTE Confidence: 0.957541114

00:15:17.560 --> 00:15:19.080 back to Yale Cancer Answers.

NOTE Confidence: 0.957541114

00:15:19.080 --> 00:15:20.600 This is Doctor Anees Chagpar,

NOTE Confidence: 0.957541114

00:15:20.600 --> 00:15:22.679 and I'm joined tonight by my guest,

NOTE Confidence: 0.957541114

00:15:22.680 --> 00:15:23.610 Doctor Mitchell Clark.

NOTE Confidence: 0.957541114

00:15:23.610 --> 00:15:25.160 We're discussing the care of

NOTE Confidence: 0.957541114

00:15:25.160 --> 00:15:26.599 patients with cervical cancer.

NOTE Confidence: 0.957541114

00:15:26.600 --> 00:15:27.984 Now before the break,
NOTE Confidence: 0.957541114

00:15:27.984 --> 00:15:30.704 we talked a lot about screening and
NOTE Confidence: 0.957541114

00:15:30.704 --> 00:15:34.148 prevention with HPV tests and Pap smears
NOTE Confidence: 0.957541114

00:15:34.148 --> 00:15:37.358 and the very important HPV vaccine.
NOTE Confidence: 0.957541114

00:15:37.360 --> 00:15:39.888 But Mitchell, now I want to pivot a
NOTE Confidence: 0.957541114

00:15:39.888 --> 00:15:42.600 little bit into patients who
NOTE Confidence: 0.957541114

00:15:42.600 --> 00:15:45.720 are found to have cervical cancer.
00:15:46.686 --> 00:15:49.419 Can you talk a little bit more about
NOTE Confidence: 0.957541114

00:15:49.419 --> 00:15:51.399 how cervical cancer is diagnosed
NOTE Confidence: 0.957541114

00:15:51.399 --> 00:15:54.159 and how is that diagnosis made,
NOTE Confidence: 0.957541114

00:15:54.160 --> 00:15:58.140 whether on a Pap smear or symptomatically?
00:15:59.720 --> 00:16:01.934 In general, we tend to detect
NOTE Confidence: 0.813147749333333

00:16:01.934 --> 00:16:03.410 these symptomatically because the
NOTE Confidence: 0.813147749333333

00:16:03.477 --> 00:16:05.553 Pap smear is really designed to
NOTE Confidence: 0.813147749333333

00:16:05.553 --> 00:16:07.285 detect precancerous changes where
NOTE Confidence: 0.813147749333333

00:16:07.285 --> 00:16:09.450 an intervention can be undertaken
NOTE Confidence: 0.813147749333333

00:16:09.514 --> 00:16:11.679 to prevent development into cancer.

NOTE Confidence: 0.813147749333333

00:16:11.680 --> 00:16:13.576 And so patients will often have

NOTE Confidence: 0.813147749333333

00:16:13.576 --> 00:16:15.653 some type of bleeding symptom or

NOTE Confidence: 0.813147749333333

00:16:15.653 --> 00:16:17.318 some pelvic discomfort or pain.

NOTE Confidence: 0.813147749333333

00:16:17.320 --> 00:16:19.490 But in general, there will be some

NOTE Confidence: 0.813147749333333

00:16:19.490 --> 00:16:21.154 bleeding either between the periods

NOTE Confidence: 0.813147749333333

00:16:21.154 --> 00:16:22.834 or in the postmenopausal period,

NOTE Confidence: 0.813147749333333

00:16:22.840 --> 00:16:24.736 which prompts an evaluation

NOTE Confidence: 0.813147749333333

00:16:24.736 --> 00:16:26.158 by the gynecologist.

NOTE Confidence: 0.813147749333333

00:16:26.160 --> 00:16:27.636 When patients go to the office,

NOTE Confidence: 0.813147749333333

00:16:27.640 --> 00:16:29.632 they can expect that their gynecologist

NOTE Confidence: 0.813147749333333

00:16:29.632 --> 00:16:32.220 will offer a pelvic exam with a speculum

NOTE Confidence: 0.813147749333333

00:16:32.220 --> 00:16:34.431 to visualize the cervix in order to

NOTE Confidence: 0.813147749333333

00:16:34.431 --> 00:16:36.958 see whether or not there's any obvious

NOTE Confidence: 0.813147749333333

00:16:36.958 --> 00:16:38.790 abnormality suggestive of a cancer.

NOTE Confidence: 0.813147749333333

00:16:38.790 --> 00:16:41.010 Very often a biopsy will be

NOTE Confidence: 0.813147749333333

00:16:41.010 --> 00:16:42.479 undertaken at that point,
NOTE Confidence: 0.8131477493333333

00:16:42.480 --> 00:16:44.268 which can usually be accomplished in
NOTE Confidence: 0.8131477493333333

00:16:44.268 --> 00:16:46.462 the office and that pathology and that
NOTE Confidence: 0.8131477493333333

00:16:46.462 --> 00:16:48.346 result will help us better understand
NOTE Confidence: 0.8131477493333333

00:16:48.346 --> 00:16:50.000 if those bleeding symptoms were
NOTE Confidence: 0.8131477493333333

00:16:50.000 --> 00:16:53.640 related to a cervical cancer or not.
NOTE Confidence: 0.8131477493333333

00:16:53.640 --> 00:16:55.960 And generally at that point,
NOTE Confidence: 0.8131477493333333

00:16:55.960 --> 00:16:57.610 whether based on the suspicion of
NOTE Confidence: 0.8131477493333333

00:16:57.610 --> 00:16:59.332 the exam or whether the gynecologist
NOTE Confidence: 0.8131477493333333

00:16:59.332 --> 00:17:01.299 would like to wait for the results
NOTE Confidence: 0.8131477493333333

00:17:01.299 --> 00:17:02.360 of the pathology,
NOTE Confidence: 0.8131477493333333

00:17:02.360 --> 00:17:04.592 they'll then refer that patient on
NOTE Confidence: 0.8131477493333333

00:17:04.592 --> 00:17:07.043 to someone like myself or our team
NOTE Confidence: 0.8131477493333333

00:17:07.043 --> 00:17:09.724 within the GYN group in order
NOTE Confidence: 0.8131477493333333

00:17:09.724 --> 00:17:11.770 to better understand the stage and
NOTE Confidence: 0.8131477493333333

00:17:11.770 --> 00:17:13.320 treatment options for that patient.

NOTE Confidence: 0.871593631666667
00:17:13.600 --> 00:17:15.676 How are patients staged? I mean,
NOTE Confidence: 0.871593631666667
00:17:15.680 --> 00:17:17.997 is this a series of imaging tests?
NOTE Confidence: 0.831040628125
00:17:18.240 --> 00:17:20.364 Exactly, we stage these
NOTE Confidence: 0.831040628125
00:17:20.364 --> 00:17:22.269 patients clinically meaning we don't
NOTE Confidence: 0.831040628125
00:17:22.269 --> 00:17:24.399 necessarily need to perform an operation.
NOTE Confidence: 0.831040628125
00:17:24.400 --> 00:17:27.235 And in order to understand this stage,
NOTE Confidence: 0.831040628125
00:17:27.240 --> 00:17:29.275 historically
NOTE Confidence: 0.831040628125
00:17:29.275 --> 00:17:31.948 we would do exam under anaesthesia.
00:17:34.200 --> 00:17:37.371 But now we have really high quality
NOTE Confidence: 0.831040628125
00:17:37.371 --> 00:17:40.004 imaging options and we partner with
NOTE Confidence: 0.831040628125
00:17:40.004 --> 00:17:42.159 our radiology colleagues to generally
NOTE Confidence: 0.831040628125
00:17:42.159 --> 00:17:44.118 perform an MRI and a PET scan.
NOTE Confidence: 0.831040628125
00:17:44.120 --> 00:17:46.619 The MRI is important to better understand
NOTE Confidence: 0.831040628125
00:17:46.619 --> 00:17:49.080 the size and local features.
NOTE Confidence: 0.831040628125
00:17:49.080 --> 00:17:51.180 Local meaning within the
NOTE Confidence: 0.831040628125
00:17:51.180 --> 00:17:53.789 cervix of the tumor and then the PET

NOTE Confidence: 0.831040628125

00:17:53.789 --> 00:17:56.370 scan helps us ensure or detect any

NOTE Confidence: 0.831040628125

00:17:56.370 --> 00:17:58.788 signs of metastatic disease outside of

NOTE Confidence: 0.831040628125

00:17:58.788 --> 00:18:00.924 the primary tumor within the cervix.

NOTE Confidence: 0.831040628125

00:18:00.924 --> 00:18:03.800 Once we have all of that information,

NOTE Confidence: 0.831040628125

00:18:03.800 --> 00:18:05.852 we sit down as a multidisciplinary

NOTE Confidence: 0.831040628125

00:18:05.852 --> 00:18:07.647 group and review those results

NOTE Confidence: 0.831040628125

00:18:07.647 --> 00:18:09.807 and then we can better understand

NOTE Confidence: 0.831040628125

00:18:09.807 --> 00:18:12.035 which options that would be best

NOTE Confidence: 0.831040628125

00:18:12.035 --> 00:18:13.475 for each individual patient.

NOTE Confidence: 0.823290295714286

00:18:14.080 --> 00:18:17.839 Take us through the options,

NOTE Confidence: 0.823290295714286

00:18:17.840 --> 00:18:20.432 what on the table when it comes

NOTE Confidence: 0.823290295714286

00:18:20.432 --> 00:18:22.359 to treatment of cervical cancer.

NOTE Confidence: 0.962148388333333

00:18:22.440 --> 00:18:23.718 A lot of this depends on,

NOTE Confidence: 0.962148388333333

00:18:23.720 --> 00:18:25.200 you know, each individual patient,

NOTE Confidence: 0.962148388333333

00:18:25.200 --> 00:18:27.797 their age and what their goals are.

NOTE Confidence: 0.962148388333333

00:18:27.800 --> 00:18:28.896 And so, you know,
NOTE Confidence: 0.962148388333333

00:18:28.896 --> 00:18:30.266 we do unfortunately see some
NOTE Confidence: 0.962148388333333

00:18:30.266 --> 00:18:31.706 of these cancers occurring
NOTE Confidence: 0.962148388333333

00:18:31.706 --> 00:18:33.556 in women of reproductive age,
NOTE Confidence: 0.962148388333333

00:18:33.560 --> 00:18:35.708 perhaps those who have either not
NOTE Confidence: 0.962148388333333

00:18:35.708 --> 00:18:38.120 had an opportunity to carry a child,
NOTE Confidence: 0.962148388333333

00:18:38.120 --> 00:18:39.715 if that's within their family
NOTE Confidence: 0.962148388333333

00:18:39.715 --> 00:18:41.638 plan, or whether they're hoping to
NOTE Confidence: 0.962148388333333

00:18:41.638 --> 00:18:43.276 have more children down the road.
NOTE Confidence: 0.962148388333333

00:18:43.280 --> 00:18:45.236 But are faced with this diagnosis.
NOTE Confidence: 0.962148388333333

00:18:45.240 --> 00:18:47.466 So the first thing they understand is
NOTE Confidence: 0.962148388333333

00:18:47.466 --> 00:18:49.639 does this patient have an interest
NOTE Confidence: 0.962148388333333

00:18:49.639 --> 00:18:51.559 in preserving her fertility options?
NOTE Confidence: 0.962148388333333

00:18:51.560 --> 00:18:53.989 We do know that for certain cancer
NOTE Confidence: 0.962148388333333

00:18:53.989 --> 00:18:56.208 stages or sizes of the tumor
NOTE Confidence: 0.962148388333333

00:18:56.208 --> 00:18:57.676 and in certain patients,

NOTE Confidence: 0.962148388333333

00:18:57.680 --> 00:18:59.630 a fertility sparing approach is very

NOTE Confidence: 0.962148388333333

00:18:59.630 --> 00:19:01.654 reasonable and seems to have the

NOTE Confidence: 0.962148388333333

00:19:01.654 --> 00:19:03.319 same long term oncologic outcomes,

NOTE Confidence: 0.962148388333333

00:19:03.320 --> 00:19:04.304 which is important.

NOTE Confidence: 0.962148388333333

00:19:04.304 --> 00:19:05.944 Obviously that pregnancy would be

NOTE Confidence: 0.962148388333333

00:19:05.944 --> 00:19:07.763 considered high risk down the road and

NOTE Confidence: 0.962148388333333

00:19:07.763 --> 00:19:09.880 there may be some issues in getting pregnant.

NOTE Confidence: 0.962148388333333

00:19:09.880 --> 00:19:11.623 We've got many years worth of data

NOTE Confidence: 0.962148388333333

00:19:11.623 --> 00:19:14.103 now to so show that in certain women

NOTE Confidence: 0.962148388333333

00:19:14.103 --> 00:19:16.176 those options are reasonable and they

NOTE Confidence: 0.962148388333333

00:19:16.176 --> 00:19:18.556 do not have to compromise their

NOTE Confidence: 0.962148388333333

00:19:18.556 --> 00:19:20.092 oncology outcomes just for fertility.

NOTE Confidence: 0.962148388333333

00:19:20.092 --> 00:19:22.080 So it's been a very exciting advance

NOTE Confidence: 0.962148388333333

00:19:22.131 --> 00:19:23.937 in the field for those women who

NOTE Confidence: 0.962148388333333

00:19:23.937 --> 00:19:25.366 are not interested on preserving

NOTE Confidence: 0.962148388333333

00:19:25.366 --> 00:19:27.160 their fertility or may not have
NOTE Confidence: 0.962148388333333

00:19:27.160 --> 00:19:28.970 that option based on the results of
NOTE Confidence: 0.962148388333333

00:19:28.970 --> 00:19:30.520 those tests that we talked about,
NOTE Confidence: 0.962148388333333

00:19:30.520 --> 00:19:31.600 we then have to decide,
NOTE Confidence: 0.962148388333333

00:19:31.600 --> 00:19:33.581 is this a woman who would be
NOTE Confidence: 0.962148388333333

00:19:33.581 --> 00:19:35.000 best served with surgery,
NOTE Confidence: 0.962148388333333

00:19:35.000 --> 00:19:36.251 meaning radical hysterectomy
NOTE Confidence: 0.962148388333333

00:19:36.251 --> 00:19:37.919 to remove the uterus,
NOTE Confidence: 0.962148388333333

00:19:37.920 --> 00:19:39.985 cervix and tumor or do we think
NOTE Confidence: 0.962148388333333

00:19:39.985 --> 00:19:42.153 that this cancer will be best
NOTE Confidence: 0.962148388333333

00:19:42.153 --> 00:19:44.183 controlled with a combination of
NOTE Confidence: 0.962148388333333

00:19:44.183 --> 00:19:45.920 chemotherapy and radiation?
NOTE Confidence: 0.962148388333333

00:19:45.920 --> 00:19:47.628 And a lot of that depends on
NOTE Confidence: 0.962148388333333

00:19:47.628 --> 00:19:49.040 the size of the tumor,
NOTE Confidence: 0.962148388333333

00:19:49.040 --> 00:19:50.906 some of the information we get
NOTE Confidence: 0.962148388333333

00:19:50.906 --> 00:19:52.659 from the pathology in our exam,

NOTE Confidence: 0.962148388333333
00:19:52.659 --> 00:19:53.478 in the office.
NOTE Confidence: 0.95033454125
00:19:53.840 --> 00:19:57.375 And so for women who do want
NOTE Confidence: 0.95033454125
00:19:57.375 --> 00:19:59.500 to preserve their fertility,
NOTE Confidence: 0.95033454125
00:19:59.500 --> 00:20:01.660 clearly the radical hysterectomy
NOTE Confidence: 0.95033454125
00:20:01.660 --> 00:20:04.800 is not a viable option.
NOTE Confidence: 0.95033454125
00:20:04.800 --> 00:20:06.760 So what does their treatment
NOTE Confidence: 0.95033454125
00:20:06.760 --> 00:20:08.720 algorithm kind of look like?
NOTE Confidence: 0.896241514
00:20:09.240 --> 00:20:11.788 Right, so we do what is called
NOTE Confidence: 0.896241514
00:20:11.788 --> 00:20:12.880 a radical trachelectomy,
NOTE Confidence: 0.896241514
00:20:12.880 --> 00:20:15.408 which is a procedure to remove the cervix
NOTE Confidence: 0.896241514
00:20:15.408 --> 00:20:18.037 and the tissue surrounding the cervix.
NOTE Confidence: 0.896241514
00:20:18.040 --> 00:20:19.546 We also sample some lymph nodes
NOTE Confidence: 0.896241514
00:20:19.546 --> 00:20:21.388 at the same time to make sure
NOTE Confidence: 0.896241514
00:20:21.388 --> 00:20:22.954 that cancer has not spread.
NOTE Confidence: 0.896241514
00:20:22.960 --> 00:20:24.200 What we do then,
NOTE Confidence: 0.896241514

00:20:24.200 --> 00:20:26.441 after the cervix has been removed is
NOTE Confidence: 0.896241514

00:20:26.441 --> 00:20:28.611 reconstruct the uterus to the top of
NOTE Confidence: 0.896241514

00:20:28.611 --> 00:20:31.220 the vagina and place a device there
NOTE Confidence: 0.896241514

00:20:31.220 --> 00:20:33.676 called a circlage which helps prevent
NOTE Confidence: 0.896241514

00:20:33.676 --> 00:20:36.094 any dilation of the lower portion
NOTE Confidence: 0.896241514

00:20:36.094 --> 00:20:38.919 of the uterus during the pregnancy.
NOTE Confidence: 0.896241514

00:20:38.920 --> 00:20:40.663 It appears that this is a safe
NOTE Confidence: 0.896241514

00:20:40.663 --> 00:20:42.315 option for women who who want
NOTE Confidence: 0.896241514

00:20:42.315 --> 00:20:43.439 to choose this approach,
NOTE Confidence: 0.896241514

00:20:43.440 --> 00:20:45.704 but as you can imagine there will be
NOTE Confidence: 0.896241514

00:20:45.704 --> 00:20:47.358 some challenges with the fertility.
NOTE Confidence: 0.896241514

00:20:47.360 --> 00:20:47.916 I'm sorry,
NOTE Confidence: 0.896241514

00:20:47.916 --> 00:20:49.862 with the pregnancy and will need to
NOTE Confidence: 0.896241514

00:20:49.862 --> 00:20:52.357 be closely monitored by a high risk team.
NOTE Confidence: 0.896241514

00:20:52.360 --> 00:20:54.908 But it appears that this surgery can
NOTE Confidence: 0.896241514

00:20:54.908 --> 00:20:57.040 be performed safely from a vaginal,

NOTE Confidence: 0.896241514

00:20:57.040 --> 00:20:59.865 laparoscopic or even a traditional

NOTE Confidence: 0.896241514

00:20:59.865 --> 00:21:01.560 open laparotomy approach.

NOTE Confidence: 0.896241514

00:21:01.560 --> 00:21:02.545 And patients tend to

NOTE Confidence: 0.896241514

00:21:02.545 --> 00:21:03.800 do well in the long term.

NOTE Confidence: 0.9490801075

00:21:04.920 --> 00:21:07.538 Is this a longer or more complicated

NOTE Confidence: 0.9490801075

00:21:07.538 --> 00:21:10.159 procedure than the radical hysterectomy?

NOTE Confidence: 0.8724675933333333

00:21:10.600 --> 00:21:12.833 Yeah, it can be a little bit

NOTE Confidence: 0.8724675933333333

00:21:12.833 --> 00:21:14.839 longer and more complex.

NOTE Confidence: 0.8724675933333333

00:21:14.840 --> 00:21:17.102 And that's why we certainly encourage

NOTE Confidence: 0.8724675933333333

00:21:17.102 --> 00:21:20.172 patients to see a group or a team

NOTE Confidence: 0.8724675933333333

00:21:20.172 --> 00:21:22.037 with expertise in this procedure.

NOTE Confidence: 0.8724675933333333

00:21:22.040 --> 00:21:25.480 But for those who do undergo the surgery,

NOTE Confidence: 0.8724675933333333

00:21:25.480 --> 00:21:26.638 they appear to have

NOTE Confidence: 0.8724675933333333

00:21:26.640 --> 00:21:28.795 comparable oncologic outcomes and have

NOTE Confidence: 0.8724675933333333

00:21:28.795 --> 00:21:31.959 gone on to carry children down the road,

NOTE Confidence: 0.8724675933333333

00:21:31.960 --> 00:21:33.290 which is always exciting to see those
NOTE Confidence: 0.8724675933333333

00:21:33.290 --> 00:21:34.451 pictures in the office when patients
NOTE Confidence: 0.8724675933333333

00:21:34.451 --> 00:21:35.880 come back to see us and follow up.
NOTE Confidence: 0.817037430625

00:21:36.280 --> 00:21:40.360 Yeah, I'm sure for the patients
NOTE Confidence: 0.817037430625

00:21:40.360 --> 00:21:43.856 for whom fertility is not a major concern,
NOTE Confidence: 0.817037430625

00:21:43.856 --> 00:21:46.320 you mentioned that there were two options.
NOTE Confidence: 0.817037430625

00:21:46.320 --> 00:21:48.679 One was the radical hysterectomy and the
NOTE Confidence: 0.817037430625

00:21:48.679 --> 00:21:51.085 other was chemotherapy and radiation.
NOTE Confidence: 0.817037430625

00:21:51.085 --> 00:21:53.960 Are those two equivalent oncologically?
NOTE Confidence: 0.945672965909091

00:21:54.280 --> 00:21:56.168 That's a great point and I bring that
NOTE Confidence: 0.945672965909091

00:21:56.168 --> 00:21:58.171 up with my patients when I talk to
NOTE Confidence: 0.945672965909091

00:21:58.171 --> 00:22:00.159 them because they do appear equivalent.
NOTE Confidence: 0.945672965909091

00:22:00.160 --> 00:22:02.456 And what we're trying to do is
NOTE Confidence: 0.945672965909091

00:22:02.456 --> 00:22:04.536 identify patients who would not
NOTE Confidence: 0.945672965909091

00:22:04.536 --> 00:22:06.596 necessarily require adjuvant treatment.
NOTE Confidence: 0.945672965909091

00:22:06.600 --> 00:22:09.200 Meaning if someone is going to have surgery,

NOTE Confidence: 0.945672965909091

00:22:09.200 --> 00:22:11.424 we want to ensure that then after the

NOTE Confidence: 0.945672965909091

00:22:11.424 --> 00:22:13.233 surgery there's no indication to give

NOTE Confidence: 0.945672965909091

00:22:13.233 --> 00:22:15.027 radiation after because we know the

NOTE Confidence: 0.945672965909091

00:22:15.083 --> 00:22:17.064 toxicity and side effects are worse if

NOTE Confidence: 0.945672965909091

00:22:17.064 --> 00:22:19.235 patients need a surgery and then we

NOTE Confidence: 0.945672965909091

00:22:19.235 --> 00:22:21.519 know they need radiation in addition to that.

NOTE Confidence: 0.945672965909091

00:22:21.520 --> 00:22:23.403 So we try to pre select patients

NOTE Confidence: 0.945672965909091

00:22:23.403 --> 00:22:25.239 to either need one or the other.

NOTE Confidence: 0.945672965909091

00:22:25.240 --> 00:22:26.650 For some reason,

NOTE Confidence: 0.945672965909091

00:22:26.650 --> 00:22:29.000 patients often perceive radiation or

NOTE Confidence: 0.945672965909091

00:22:29.000 --> 00:22:31.485 chemotherapy as maybe not curative or

NOTE Confidence: 0.945672965909091

00:22:31.485 --> 00:22:34.240 I'm just trying to palliate this cancer.

NOTE Confidence: 0.945672965909091

00:22:34.240 --> 00:22:35.990 That is really not the case in

NOTE Confidence: 0.945672965909091

00:22:35.990 --> 00:22:37.200 cancer of the cervix.

NOTE Confidence: 0.945672965909091

00:22:37.200 --> 00:22:39.925 And we treat with a curative intent to

NOTE Confidence: 0.945672965909091

00:22:39.925 --> 00:22:42.760 make these cancers go away long term.
NOTE Confidence: 0.945672965909091

00:22:42.760 --> 00:22:44.867 So I try to help patients understand
NOTE Confidence: 0.945672965909091

00:22:44.867 --> 00:22:47.361 that we want to select an individualized
NOTE Confidence: 0.945672965909091

00:22:47.361 --> 00:22:49.647 treatment plan that is best suited
NOTE Confidence: 0.945672965909091

00:22:49.714 --> 00:22:51.558 for their individual scenario.
NOTE Confidence: 0.945672965909091

00:22:51.560 --> 00:22:53.780 And if that plan is radiation
NOTE Confidence: 0.945672965909091

00:22:53.780 --> 00:22:54.520 to chemotherapy,
NOTE Confidence: 0.945672965909091

00:22:54.520 --> 00:22:56.495 they should not feel that
NOTE Confidence: 0.945672965909091

00:22:56.495 --> 00:22:57.680 they're somehow being,
NOTE Confidence: 0.945672965909091

00:22:57.680 --> 00:22:58.178 you know,
NOTE Confidence: 0.945672965909091

00:22:58.178 --> 00:22:59.921 put into a category that will not
NOTE Confidence: 0.945672965909091

00:22:59.921 --> 00:23:02.052 have the same outcomes of a patient
NOTE Confidence: 0.945672965909091

00:23:02.052 --> 00:23:03.359 undergoing a surgical approach.
NOTE Confidence: 0.938042660909091

00:23:04.720 --> 00:23:07.606 So if they're equivalent, why would
NOTE Confidence: 0.938042660909091

00:23:07.606 --> 00:23:10.640 anybody do the radical surgery?
NOTE Confidence: 0.81822455

00:23:10.640 --> 00:23:13.300 For the smaller tumors,

00:23:17.073 --> 00:23:19.088 they have one operation that tends
NOTE Confidence: 0.81822455

00:23:19.088 --> 00:23:21.200 to be a little bit less in terms
NOTE Confidence: 0.81822455

00:23:21.270 --> 00:23:23.634 of toxicity to the other pelvic
NOTE Confidence: 0.81822455

00:23:23.634 --> 00:23:25.210 structures because radiation can
NOTE Confidence: 0.81822455

00:23:25.274 --> 00:23:27.158 have some side effects on the bowel.
NOTE Confidence: 0.81822455

00:23:27.160 --> 00:23:29.428 The bladder patients may experience some
NOTE Confidence: 0.81822455

00:23:29.428 --> 00:23:32.353 long term issues in terms of diarrhea
NOTE Confidence: 0.81822455

00:23:32.353 --> 00:23:34.598 or constipation or bladder irritation.
NOTE Confidence: 0.81822455

00:23:34.600 --> 00:23:35.792 In terms of toxicity,
NOTE Confidence: 0.81822455

00:23:35.792 --> 00:23:37.580 there certainly can be more toxicity
NOTE Confidence: 0.81822455

00:23:37.638 --> 00:23:39.078 with the radiation approach,
NOTE Confidence: 0.81822455

00:23:39.080 --> 00:23:41.078 but when looking at the long
NOTE Confidence: 0.81822455

00:23:41.078 --> 00:23:42.077 term oncologic outcomes,
NOTE Confidence: 0.81822455

00:23:42.080 --> 00:23:43.840 they appear equivalent for
NOTE Confidence: 0.81822455

00:23:43.840 --> 00:23:46.040 certain stages of this cancer.
NOTE Confidence: 0.81822455

00:23:46.040 --> 00:23:48.210 Obviously if we find on the PET

NOTE Confidence: 0.81822455

00:23:48.210 --> 00:23:50.343 scan that the cancer is spread

NOTE Confidence: 0.81822455

00:23:50.343 --> 00:23:52.233 outside of the pelvic area,

NOTE Confidence: 0.81822455

00:23:52.240 --> 00:23:54.790 then neither surgery or radiation

NOTE Confidence: 0.81822455

00:23:54.790 --> 00:23:56.320 are necessarily indicated.

NOTE Confidence: 0.81822455

00:23:56.320 --> 00:23:58.738 And we often choose a combination

NOTE Confidence: 0.81822455

00:23:58.738 --> 00:24:01.149 of chemotherapy and some of these

NOTE Confidence: 0.81822455

00:24:01.149 --> 00:24:02.560 newer agents like immunotherapy

NOTE Confidence: 0.81822455

00:24:02.560 --> 00:24:04.600 which many patients are asking about.

NOTE Confidence: 0.81822455

00:24:04.600 --> 00:24:06.994 And it's been very sort of present

NOTE Confidence: 0.81822455

00:24:06.994 --> 00:24:09.577 in the media and we're very

NOTE Confidence: 0.81822455

00:24:09.577 --> 00:24:11.760 excited to see that a lot of these

NOTE Confidence: 0.81822455

00:24:11.760 --> 00:24:13.295 immunotherapies and new drug

NOTE Confidence: 0.81822455

00:24:13.295 --> 00:24:15.200 developments are showing promise in cancer of

NOTE Confidence: 0.81822455

00:24:15.200 --> 00:24:16.080 the cervix as well.

NOTE Confidence: 0.819863424615385

00:24:16.920 --> 00:24:18.780 So I want to get to the drugs

NOTE Confidence: 0.819863424615385

00:24:18.840 --> 00:24:20.912 in a minute, but just to finish
NOTE Confidence: 0.819863424615385

00:24:20.912 --> 00:24:22.702 up the conversation with regards
NOTE Confidence: 0.819863424615385

00:24:22.702 --> 00:24:25.256 to fertility preservation and the
NOTE Confidence: 0.819863424615385

00:24:25.256 --> 00:24:27.520 different options for women who do
NOTE Confidence: 0.819863424615385

00:24:27.520 --> 00:24:29.851 want to preserve their fertility,
NOTE Confidence: 0.819863424615385

00:24:29.851 --> 00:24:33.313 is chemotherapy and radiation therapy an
NOTE Confidence: 0.819863424615385

00:24:33.313 --> 00:24:36.564 option if they choose to, for example,
NOTE Confidence: 0.819863424615385

00:24:36.564 --> 00:24:40.210 harvest their eggs or ovarian
NOTE Confidence: 0.819863424615385

00:24:40.210 --> 00:24:42.400 tissue prior to the chemotherapy and
NOTE Confidence: 0.819863424615385

00:24:42.400 --> 00:24:44.649 radiation and that way they could
NOTE Confidence: 0.819863424615385

00:24:44.649 --> 00:24:46.474 avoid the more complicated surgery?
NOTE Confidence: 0.923030389565217

00:24:46.920 --> 00:24:49.116 Absolutely. The retrieval of the eggs
NOTE Confidence: 0.923030389565217

00:24:49.116 --> 00:24:51.405 is certainly possible and we have
NOTE Confidence: 0.923030389565217

00:24:51.405 --> 00:24:53.320 a wonderful group of reproductive
NOTE Confidence: 0.923030389565217

00:24:53.320 --> 00:24:54.861 endocrinologists that we work
NOTE Confidence: 0.923030389565217

00:24:54.861 --> 00:24:57.040 closely with who get patients in

NOTE Confidence: 0.923030389565217
00:24:57.040 --> 00:24:58.940 quickly to stimulate an ovarian
NOTE Confidence: 0.923030389565217
00:24:58.940 --> 00:25:01.000 cycle and retrieve those eggs.
NOTE Confidence: 0.923030389565217
00:25:01.000 --> 00:25:03.002 Now, if patients go on to receive
NOTE Confidence: 0.923030389565217
00:25:03.002 --> 00:25:04.336 the radiation and chemotherapy
NOTE Confidence: 0.923030389565217
00:25:04.336 --> 00:25:05.996 after the egg retrieval,
NOTE Confidence: 0.923030389565217
00:25:06.000 --> 00:25:07.388 the uterus will unfortunately
NOTE Confidence: 0.923030389565217
00:25:07.388 --> 00:25:09.884 not be able to function in the
NOTE Confidence: 0.923030389565217
00:25:09.884 --> 00:25:11.639 capacity to carry a pregnancy.
NOTE Confidence: 0.923030389565217
00:25:11.640 --> 00:25:13.776 But patients would have the option
NOTE Confidence: 0.923030389565217
00:25:13.776 --> 00:25:16.266 to use those harvested eggs with a
NOTE Confidence: 0.923030389565217
00:25:16.266 --> 00:25:18.131 gestational carrier or surrogate to
NOTE Confidence: 0.923030389565217
00:25:18.131 --> 00:25:21.120 carry a child that is genetically theirs.
NOTE Confidence: 0.923030389565217
00:25:21.120 --> 00:25:21.884 But unfortunately,
NOTE Confidence: 0.923030389565217
00:25:21.884 --> 00:25:24.558 the radiation does do damage to the
NOTE Confidence: 0.923030389565217
00:25:24.558 --> 00:25:26.699 uterine structures in terms of its
NOTE Confidence: 0.923030389565217

00:25:26.699 --> 00:25:29.318 ability to carry a pregnancy down the road.

NOTE Confidence: 0.885923349230769

00:25:31.280 --> 00:25:35.051 So moving on to the patients who have

NOTE Confidence: 0.885923349230769

00:25:35.051 --> 00:25:37.360 metastatic cancer for whom chemotherapy

NOTE Confidence: 0.885923349230769

00:25:37.360 --> 00:25:40.960 or immunotherapy are indicated,

NOTE Confidence: 0.885923349230769

00:25:40.960 --> 00:25:43.336 can you first of all tell us a little

NOTE Confidence: 0.885923349230769

00:25:43.336 --> 00:25:46.004 bit about how many patients or what

NOTE Confidence: 0.885923349230769

00:25:46.004 --> 00:25:48.114 proportion of patients with cervical

NOTE Confidence: 0.885923349230769

00:25:48.114 --> 00:25:50.046 cancer present with metastatic

NOTE Confidence: 0.885923349230769

00:25:50.046 --> 00:25:52.524 disease versus non metastatic and

NOTE Confidence: 0.885923349230769

00:25:52.524 --> 00:25:54.879 and what's their prognosis like?

NOTE Confidence: 0.850798004285714

00:25:55.600 --> 00:25:58.274 Yes. Fortunately we do not see a

NOTE Confidence: 0.850798004285714

00:25:58.280 --> 00:26:00.275 high number of patients.

NOTE Confidence: 0.850798004285714

00:26:00.280 --> 00:26:01.912 We're probably talking in the order

NOTE Confidence: 0.850798004285714

00:26:01.912 --> 00:26:04.062 of five to 10% who are presenting

NOTE Confidence: 0.850798004285714

00:26:04.062 --> 00:26:05.832 with metastatic disease when they

NOTE Confidence: 0.850798004285714

00:26:05.832 --> 00:26:07.559 first show up to the clinic.

NOTE Confidence: 0.850798004285714

00:26:07.560 --> 00:26:09.359 And this is likely due to

NOTE Confidence: 0.850798004285714

00:26:09.360 --> 00:26:11.195 our excellent screening and patients

NOTE Confidence: 0.850798004285714

00:26:11.195 --> 00:26:13.987 being aware of the symptoms to get care

NOTE Confidence: 0.850798004285714

00:26:13.987 --> 00:26:16.073 to detect disease in its earliest stage.

NOTE Confidence: 0.850798004285714

00:26:16.080 --> 00:26:18.236 But when these patients do show up,

NOTE Confidence: 0.850798004285714

00:26:18.240 --> 00:26:19.928 you know for years we did not have

NOTE Confidence: 0.850798004285714

00:26:19.928 --> 00:26:21.956 much in terms of options to offer them.

NOTE Confidence: 0.850798004285714

00:26:21.960 --> 00:26:23.648 Cytotoxic chemotherapy was really

NOTE Confidence: 0.850798004285714

00:26:23.648 --> 00:26:26.520 all that we had and prognosis

NOTE Confidence: 0.850798004285714

00:26:26.520 --> 00:26:28.758 was not great for those patients.

NOTE Confidence: 0.850798004285714

00:26:28.760 --> 00:26:31.203 We're very excited to see the rapid

NOTE Confidence: 0.850798004285714

00:26:31.203 --> 00:26:33.481 expansion of drug development in the

NOTE Confidence: 0.850798004285714

00:26:33.481 --> 00:26:35.809 cervical cancer space even over the

NOTE Confidence: 0.850798004285714

00:26:35.809 --> 00:26:38.176 last three to four years where we

NOTE Confidence: 0.850798004285714

00:26:38.176 --> 00:26:40.472 have seen a number of new approvals

NOTE Confidence: 0.850798004285714

00:26:40.472 --> 00:26:42.934 and really ongoing interest and
NOTE Confidence: 0.850798004285714

00:26:42.934 --> 00:26:44.998 excitement in additional clinical
NOTE Confidence: 0.850798004285714

00:26:44.998 --> 00:26:47.376 trials that will hopefully see
NOTE Confidence: 0.850798004285714

00:26:47.376 --> 00:26:49.325 these drugs brought into the ovarian
NOTE Confidence: 0.850798004285714

00:26:49.325 --> 00:26:51.479 cancer space to help more women.
NOTE Confidence: 0.902210003333333

00:26:52.200 --> 00:26:54.312 Can you talk a little
NOTE Confidence: 0.902210003333333

00:26:54.312 --> 00:26:56.275 bit about some of the ongoing
NOTE Confidence: 0.902210003333333

00:26:56.275 --> 00:26:57.985 clinical trials and research
NOTE Confidence: 0.902210003333333

00:26:57.985 --> 00:26:59.960 that you're most excited about?
NOTE Confidence: 0.900419812666666

00:27:00.360 --> 00:27:01.080 Yeah, absolutely.
NOTE Confidence: 0.900419812666666

00:27:01.080 --> 00:27:03.600 You know like all cancers we often
NOTE Confidence: 0.900419812666666

00:27:03.600 --> 00:27:06.029 see the new drugs develop for patients
NOTE Confidence: 0.900419812666666

00:27:06.029 --> 00:27:08.112 you know later in their cancer
NOTE Confidence: 0.900419812666666

00:27:08.112 --> 00:27:10.492 journey and it takes some time for
NOTE Confidence: 0.900419812666666

00:27:10.492 --> 00:27:13.280 those medications to trickle into
NOTE Confidence: 0.900419812666666

00:27:13.280 --> 00:27:16.316 the earlier phase of cancer treatment.

NOTE Confidence: 0.900419812666666
00:27:16.320 --> 00:27:18.850 And so use of immunotherapy
NOTE Confidence: 0.900419812666666
00:27:18.850 --> 00:27:20.874 in the earlier elements,
NOTE Confidence: 0.900419812666666
00:27:20.880 --> 00:27:23.030 meaning not waiting for
NOTE Confidence: 0.900419812666666
00:27:23.030 --> 00:27:25.180 recurrence or maybe in patients
NOTE Confidence: 0.900419812666666
00:27:25.257 --> 00:27:27.124 who have a tumor that is perhaps
NOTE Confidence: 0.900419812666666
00:27:27.124 --> 00:27:28.720 too big for fertility sparing.
NOTE Confidence: 0.900419812666666
00:27:28.720 --> 00:27:30.764 But maybe we can use an immunotherapy
NOTE Confidence: 0.900419812666666
00:27:30.764 --> 00:27:33.092 to shrink that down and then offer
NOTE Confidence: 0.900419812666666
00:27:33.092 --> 00:27:34.837 patients a fertility sparing option.
NOTE Confidence: 0.900419812666666
00:27:34.840 --> 00:27:37.078 I think would be very exciting
NOTE Confidence: 0.900419812666666
00:27:37.080 --> 00:27:38.840 because with immunotherapy we really
NOTE Confidence: 0.900419812666666
00:27:38.840 --> 00:27:41.356 see a difference in the side effect
NOTE Confidence: 0.900419812666666
00:27:41.356 --> 00:27:43.076 profile for patients as well.
NOTE Confidence: 0.900419812666666
00:27:43.080 --> 00:27:44.900 So it's not just about the
NOTE Confidence: 0.900419812666666
00:27:44.900 --> 00:27:46.240 long term cancer outcomes,
NOTE Confidence: 0.900419812666666

00:27:46.240 --> 00:27:48.910 but how patients feel their quality
NOTE Confidence: 0.9004198126666666

00:27:48.910 --> 00:27:50.913 of life and their experience
NOTE Confidence: 0.9004198126666666

00:27:50.913 --> 00:27:52.397 during their cancer care.
NOTE Confidence: 0.9004198126666666

00:27:52.400 --> 00:27:54.740 And immunotherapy seems to be
NOTE Confidence: 0.9004198126666666

00:27:54.740 --> 00:27:56.841 offering patients a different but
NOTE Confidence: 0.9004198126666666

00:27:56.841 --> 00:27:58.776 in somewhat improved side effect
NOTE Confidence: 0.9004198126666666

00:27:58.776 --> 00:28:01.033 profile when we compare it to
NOTE Confidence: 0.9004198126666666

00:28:01.033 --> 00:28:02.798 some of the older chemotherapies.
NOTE Confidence: 0.9004198126666666

00:28:02.800 --> 00:28:03.904 Other than that,
NOTE Confidence: 0.9004198126666666

00:28:03.904 --> 00:28:06.112 we're excited to see some updated
NOTE Confidence: 0.9004198126666666

00:28:06.112 --> 00:28:08.123 cervical surgery trials that have
NOTE Confidence: 0.9004198126666666

00:28:08.123 --> 00:28:10.088 been presented in conference format
NOTE Confidence: 0.9004198126666666

00:28:10.088 --> 00:28:12.392 to suggest that maybe for certain
NOTE Confidence: 0.9004198126666666

00:28:12.392 --> 00:28:14.659 women the radical surgery is not
NOTE Confidence: 0.9004198126666666

00:28:14.659 --> 00:28:17.592 necessary anymore and we can do a
NOTE Confidence: 0.9004198126666666

00:28:17.592 --> 00:28:20.360 smaller less invasive hysterectomy,

NOTE Confidence: 0.900419812666666

00:28:20.360 --> 00:28:22.880 but confer a similar long term

NOTE Confidence: 0.900419812666666

00:28:22.880 --> 00:28:24.560 outcome for those women.

NOTE Confidence: 0.900419812666666

00:28:24.560 --> 00:28:26.216 And that would be a real game changer

NOTE Confidence: 0.900419812666666

00:28:26.216 --> 00:28:28.279 in the surgical treatment of this cancer.

NOTE Confidence: 0.900419812666666

00:28:28.280 --> 00:28:29.528 So we look forward to that

NOTE Confidence: 0.900419812666666

00:28:29.528 --> 00:28:30.360 publication coming up soon.

NOTE Confidence: 0.891338373333333

00:28:31.080 --> 00:28:32.880 Doctor Mitchell Clark is an

NOTE Confidence: 0.891338373333333

00:28:32.880 --> 00:28:34.320 Assistant professor of Obstetrics,

NOTE Confidence: 0.891338373333333

00:28:34.320 --> 00:28:36.144 Gynecology, and Reproductive Sciences

NOTE Confidence: 0.891338373333333

00:28:36.144 --> 00:28:38.880 at the Yale School of Medicine.

NOTE Confidence: 0.891338373333333

00:28:38.880 --> 00:28:40.820 If you have questions,

NOTE Confidence: 0.891338373333333

00:28:40.820 --> 00:28:42.737 the address is canceranswers@yale.edu,

NOTE Confidence: 0.891338373333333

00:28:42.737 --> 00:28:45.479 and past editions of the program

NOTE Confidence: 0.891338373333333

00:28:45.479 --> 00:28:47.853 are available in audio and written

NOTE Confidence: 0.891338373333333

00:28:47.853 --> 00:28:48.788 form at yalecancercenter.org.

NOTE Confidence: 0.891338373333333

00:28:48.788 --> 00:28:51.252 We hope you'll join us next week to

NOTE Confidence: 0.8913383733333333

00:28:51.252 --> 00:28:53.137 learn more about the fight against

NOTE Confidence: 0.8913383733333333

00:28:53.137 --> 00:28:55.000 cancer here on Connecticut Public Radio.

NOTE Confidence: 0.8913383733333333

00:28:55.000 --> 00:28:57.562 Funding for Yale Cancer Answers is

NOTE Confidence: 0.8913383733333333

00:28:57.562 --> 00:29:00.000 provided by Smilow Cancer Hospital.