WEBVTT

00:00:00.000 --> 00:00:02.850 Support for Yale Cancer Answers

NOTE Confidence: 0.8574418

00:00:02.850 --> 00:00:05.130 comes from AstraZeneca, dedicated

NOTE Confidence: 0.8574418

00:00:05.130 --> 00:00:09.192 to advancing options and providing

NOTE Confidence: 0.8574418

00:00:09.192 --> 00:00:13.447 hope for people living with

NOTE Confidence: 0.8574418

00:00:13.447 --> 00:00:14.298 cancer. More information at astrazeneca-us.com.

NOTE Confidence: 0.8574418

00:00:14.300 --> 00:00:16.502 Welcome to Yale Cancer Answers with

NOTE Confidence: 0.8574418

00:00:16.502 --> 00:00:18.720 your host, Doctor Anees Chagpar.

NOTE Confidence: 0.8574418

00:00:18.720 --> 00:00:20.570 Yale Cancer Answers features the

NOTE Confidence: 0.8574418

00:00:20.570 --> 00:00:23.115 latest information on cancer care by

NOTE Confidence: 0.8574418

00:00:23.115 --> 00:00:24.807 welcoming oncologists and specialists

NOTE Confidence: 0.8574418

00:00:24.807 --> 00:00:27.084 who are on the forefront of the

NOTE Confidence: 0.8574418

00:00:27.084 --> 00:00:29.026 battle to fight cancer. This week

NOTE Confidence: 0.8574418

00:00:29.026 --> 00:00:30.518 it's a conversation about

NOTE Confidence: 0.8574418

00:00:30.518 --> 00:00:32.010 neuroendocrine tumors in colon

NOTE Confidence: 0.8574418

00:00:32.072 --> 00:00:33.797 cancer with Doctor Pamela Kunz.

NOTE Confidence: 0.8574418

00:00:33.800 --> 00:00:36.194 Doctor Kunz is director of GI Medical

NOTE Confidence: 0.8574418

00:00:36.194 --> 00:00:38.271 Oncology at the Yale School of

NOTE Confidence: 0.8574418

00:00:38.271 --> 00:00:40.245 Medicine where Doctor Chagpar is

NOTE Confidence: 0.8574418

00:00:40.245 --> 00:00:42.640 a professor of surgical oncology.

NOTE Confidence: 0.86497337

00:00:43.740 --> 00:00:46.236 Pam, maybe we can start off

NOTE Confidence: 0.86497337

00:00:46.236 --> 00:00:47.900 by setting the context?

NOTE Confidence: 0.86497337

00:00:47.900 --> 00:00:49.660 What exactly are neuroendocrine

NOTE Confidence: 0.86497337

00:00:49.660 --> 00:00:52.300 tumors and what do they have

NOTE Confidence: 0.86497337

00:00:52.378 --> 00:00:54.138 to do with colon cancer?

NOTE Confidence: 0.89152914

00:00:55.470 --> 00:00:56.232 Great question.

NOTE Confidence: 0.89152914

00:00:56.232 --> 00:00:57.756 So neuroendocrine tumors are

NOTE Confidence: 0.89152914

00:00:57.756 --> 00:00:59.750 just another type of cancer.

NOTE Confidence: 0.89152914

00:00:59.750 --> 00:01:01.670 They can originate actually in

NOTE Confidence: 0.89152914

00:01:01.670 --> 00:01:04.030 almost any part of the body,

NOTE Confidence: 0.89152914

00:01:04.030 --> 00:01:06.358 most commonly in the GI tract

NOTE Confidence: 0.89152914

00:01:06.360 --> 00:01:09.248 and in the lungs and what makes them

NOTE Confidence: 0.89152914

00:01:09.248 --> 00:01:11.852 different from colon cancer is what the

NOTE Confidence: 0.89152914

00:01:11.852 --> 00:01:14.530 cells look like under the microscope.

NOTE Confidence: 0.89152914

00:01:14.530 --> 00:01:16.570 So it's actually a completely different

NOTE Confidence: 0.89152914

00:01:16.570 --> 00:01:19.199 type of cancer than colon adenocarcinoma,

NOTE Confidence: 0.89152914

00:01:19.200 --> 00:01:21.140 which is the most common

NOTE Confidence: 0.89152914

00:01:21.140 --> 00:01:22.692 type of colon cancer.

NOTE Confidence: 0.87630314

00:01:23.760 --> 00:01:25.324 So these neuroendocrine tumors

NOTE Confidence: 0.87630314

00:01:25.324 --> 00:01:27.670 they can arise in the colon,

NOTE Confidence: 0.87630314

00:01:27.670 --> 00:01:30.407 which would make them a colon cancer.

NOTE Confidence: 0.87630314

00:01:30.410 --> 00:01:33.140 But they look different under the microscope.

NOTE Confidence: 0.87630314

00:01:33.140 --> 00:01:35.486 So they're not exactly the same

NOTE Confidence: 0.87630314

00:01:35.490 --> 00:01:37.054 garden variety colon cancer

NOTE Confidence: 0.87630314

00:01:37.054 --> 00:01:39.009 that we usually think about?

NOTE Confidence: 0.8862858

00:01:39.720 --> 00:01:42.786 That's correct, and so we would call

NOTE Confidence: 0.8862858

00:01:42.786 --> 00:01:45.318 those a neuroendocrine tumor of the

NOTE Confidence: 0.8862858

00:01:45.318 --> 00:01:47.592 colon and what's unique about these

NOTE Confidence: 0.8862858

00:01:47.592 --> 00:01:50.595 is that we try our best to

NOTE Confidence: 0.8862858

00:01:50.595 --> 00:01:52.476 identify where these cancers start,

NOTE Confidence: 0.8862858

00:01:52.476 --> 00:01:54.048 because that has implications

NOTE Confidence: 0.8862858

00:01:54.048 --> 00:01:56.479 on how we treat that cancer.

NOTE Confidence: 0.8862858

00:01:56.480 --> 00:01:59.266 So they may start in the colon,

NOTE Confidence: 0.8862858

00:01:59.270 --> 00:02:02.056 which is in fact actually quite rare.

NOTE Confidence: 0.8862858

00:02:02.060 --> 00:02:03.736 Most commonly, they'll originate

NOTE Confidence: 0.8862858

00:02:03.736 --> 00:02:06.250 in the small intestines in the

NOTE Confidence: 0.8862858

00:02:06.320 --> 00:02:08.050 pancreas and in the lungs,

NOTE Confidence: 0.8862858

00:02:08.050 --> 00:02:10.948 and they can spread to lymph nodes

NOTE Confidence: 0.8862858

00:02:10.950 --> 00:02:12.610 or to the liver.

NOTE Confidence: 0.8862858

00:02:12.610 --> 00:02:14.685 And so when someone says

NOTE Confidence: 0.8862858

00:02:14.685 --> 00:02:16.998 they have a colon cancer,

NOTE Confidence: 0.8862858

00:02:17.000 --> 00:02:19.155 we often just assume that

NOTE Confidence: 0.8862858

00:02:19.155 --> 00:02:20.448 that's colon adenocarcinoma.

NOTE Confidence: 0.8862858

00:02:20.450 --> 00:02:23.048 The garden variety, as you said.

NOTE Confidence: 0.8862858

00:02:23.050 --> 00:02:25.619 But what's very important is that we

NOTE Confidence: 0.8862858

00:02:25.619 --> 00:02:28.753 rely on our pathologists to tell us

NOTE Confidence: 0.8862858

00:02:28.753 --> 00:02:31.687 exactly what histologic type, that means,

NOTE Confidence: 0.8862858

00:02:31.690 --> 00:02:34.084 what the cancer cells look like

NOTE Confidence: 0.8862858

00:02:34.084 --> 00:02:36.227 under the microscope to determine

NOTE Confidence: 0.8862858

00:02:36.227 --> 00:02:39.029 whether it's an adenocarcinoma or a

NOTE Confidence: 0.860685275454545

00:02:39.030 --> 00:02:40.398 neuroendocrine tumor.

NOTE Confidence: 0.860685275454545

00:02:40.398 --> 00:02:42.450 Let's talk a little bit more

NOTE Confidence: 0.860685275454545

00:02:42.516 --> 00:02:44.116 about how that process actually

NOTE Confidence: 0.860685275454545

00:02:44.116 --> 00:02:46.229 happens and what the big deal is.

NOTE Confidence: 0.860685275454545

00:02:46.230 --> 00:02:47.982 I mean, for many people they

NOTE Confidence: 0.860685275454545

00:02:47.982 --> 00:02:49.958 may think a cancer is a cancer,

NOTE Confidence: 0.860685275454545

00:02:49.960 --> 00:02:51.969 and I don't want

NOTE Confidence: 0.860685275454545

00:02:51.970 --> 00:02:53.686 neuroendocrine cancers.

NOTE Confidence: 0.860685275454545

00:02:53.690 --> 00:02:55.120 I don't want this cancers,

NOTE Confidence: 0.860685275454545

00:02:55.120 --> 00:02:57.129 and I don't want that cancer,

NOTE Confidence: 0.860685275454545

00:02:57.130 --> 00:02:58.570 I just don't want cancer.

NOTE Confidence: 0.860685275454545

00:02:58.570 --> 00:03:01.769 I'm beginning to sound like Doctor Seuss.

NOTE Confidence: 0.860685275454545

00:03:01.770 --> 00:03:06.664 But how do we differentiate between an

NOTE Confidence: 0.860685275454545

00:03:06.664 --> 00:03:09.460 adenocarcinoma and a neuroendocrine tumor?

NOTE Confidence: 0.860685275454545

00:03:09.460 --> 00:03:12.950 And why is that important?

NOTE Confidence: 0.8867054

00:03:14.490 --> 00:03:17.890 So when a patient first develops

NOTE Confidence: 0.8867054

00:03:17.890 --> 00:03:20.238 symptoms that may bring them to,

NOTE Confidence: 0.8867054

00:03:20.240 --> 00:03:22.295 for example, their primary care

NOTE Confidence: 0.8867054

00:03:22.295 --> 00:03:23.939 doctor or a gastroenterologist,

NOTE Confidence: 0.8867054

00:03:23.940 --> 00:03:27.132 some of the symptoms may in fact

NOTE Confidence: 0.8867054

00:03:27.132 --> 00:03:29.607 overlap between having any sort of

NOTE Confidence: 0.8867054

00:03:29.607 --> 00:03:32.570 cancer of the colon or the GI tract.

NOTE Confidence: 0.8867054

00:03:32.570 --> 00:03:34.934 They may have abdominal pain or

NOTE Confidence: 0.8867054

00:03:34.934 --> 00:03:37.100 changes in their bowel habits,

NOTE Confidence: 0.8867054

00:03:37.100 --> 00:03:39.970 and then they may undergo a biopsy.

NOTE Confidence: 0.8867054

00:03:39.970 --> 00:03:42.847 That biopsy could be through a colonoscopy,

NOTE Confidence: 0.8867054

00:03:42.850 --> 00:03:45.430 or, if the cancer has spread

NOTE Confidence: 0.8867054

00:03:45.430 --> 00:03:47.500 somewhere else it may be

NOTE Confidence: 0.8867054

00:03:47.500 --> 00:03:49.570 a biopsy of that spot,

NOTE Confidence: 0.8867054

00:03:49.570 --> 00:03:52.433 like a biopsy of the liver and

NOTE Confidence: 0.8867054

00:03:52.433 --> 00:03:54.539 once that biopsy is taken,

NOTE Confidence: 0.8867054

00:03:54.540 --> 00:03:56.892 that tissue, the tumor tissue

NOTE Confidence: 0.8867054

00:03:56.892 --> 00:03:59.803 goes to a pathologist as a

NOTE Confidence: 0.8867054

00:03:59.803 --> 00:04:02.329 doctor that specializes in looking at

NOTE Confidence: 0.8867054

00:04:02.329 --> 00:04:05.304 cells under the microscope to help us

NOTE Confidence: 0.8867054

00:04:05.304 --> 00:04:08.500 determine exactly what type of cancer it is,

NOTE Confidence: 0.8867054

00:04:08.500 --> 00:04:12.339 they will look at what the cells look like.

NOTE Confidence: 0.8867054

00:04:12.340 --> 00:04:14.878 They will also do very special

NOTE Confidence: 0.8867054

00:04:14.878 --> 00:04:17.460 stains to help us identify

NOTE Confidence: 0.8867054

00:04:17.460 --> 00:04:19.510 certain characteristics of those cells,

NOTE Confidence: 0.8867054

00:04:19.510 --> 00:04:21.560 and it matters because every

NOTE Confidence: 0.8867054

00:04:21.560 --> 00:04:23.200 cancer is treated differently.

NOTE Confidence: 0.8867054

00:04:23.200 --> 00:04:25.664 We now have large clinical trials that

NOTE Confidence: 0.8867054

00:04:25.664 --> 00:04:29.421 tell us one cancer may do better with a

NOTE Confidence: 0.8867054

00:04:29.421 --> 00:04:31.810 different chemotherapy versus another,

NOTE Confidence: 0.8867054

00:04:31.810 --> 00:04:34.715 and so it's very critical in fact

NOTE Confidence: 0.8867054

00:04:34.715 --> 00:04:37.040 to determine what type of cancer

NOTE Confidence: 0.8867054

00:04:37.040 --> 00:04:39.960 that is in order for us to tailor

NOTE Confidence: 0.8867054

00:04:39.960 --> 00:04:42.465 that treatment to the patient.

NOTE Confidence: 0.81843877

00:04:43.750 --> 00:04:46.300 And also you know,

NOTE Confidence: 0.81843877

00:04:46.300 --> 00:04:49.700 I think going back to what you had

NOTE Confidence: 0.81843877

00:04:49.700 --> 00:04:52.250 said earlier, the cell of origin

NOTE Confidence: 0.81843877

00:04:52.250 --> 00:04:54.375 for these cancers is different.

NOTE Confidence: 0.81843877

00:04:54.380 --> 00:04:57.348 So for adenocarcinomas as you mentioned,

NOTE Confidence: 0.81843877

00:04:57.350 --> 00:05:00.241 those are cancers that arise in the

NOTE Confidence: 0.81843877

00:05:00.241 --> 00:05:03.299 colon in the glands of the colon,

NOTE Confidence: 0.81843877

00:05:03.300 --> 00:05:05.000 whereas these neuroendocrine tumors

NOTE Confidence: 0.81843877

00:05:05.000 --> 00:05:07.125 they may arise somewhere else.

NOTE Confidence: 0.81843877

00:05:07.130 --> 00:05:09.590 Now do normal endocrine tumors that

NOTE Confidence: 0.81843877

00:05:09.590 --> 00:05:12.174 you mentioned that can arise most

NOTE Confidence: 0.81843877

00:05:12.174 --> 00:05:14.344 commonly in the small intestine,

NOTE Confidence: 0.81843877

00:05:14.350 --> 00:05:17.146 or the pancreas or the lung.

NOTE Confidence: 0.81843877

00:05:17.150 --> 00:05:19.586 Do those metastasize to the colon,

NOTE Confidence: 0.81843877

00:05:19.590 --> 00:05:22.032 or when you find a neuroendocrine

NOTE Confidence: 0.81843877

00:05:22.032 --> 00:05:23.660 tumor of the colon,

NOTE Confidence: 0.81843877

00:05:23.660 --> 00:05:26.096 is it generally a neuroendocrine tumor,

NOTE Confidence: 0.81843877

00:05:26.100 --> 00:05:28.949 albiet rare that started in the colon?

NOTE Confidence: 0.81843877

00:05:28.950 --> 00:05:31.400 Usually we label these

NOTE Confidence: 0.866588

00:05:31.400 --> 00:05:33.430 based on where they start,

NOTE Confidence: 0.866588

00:05:33.430 --> 00:05:36.279 so if we're calling it a colon,

NOTE Confidence: 0.866588

00:05:36.280 --> 00:05:38.315 neuroendocrine tumor or a small

NOTE Confidence: 0.866588

00:05:38.315 --> 00:05:39.536 intestine neuroendocrine tumor,

NOTE Confidence: 0.866588

00:05:39.540 --> 00:05:41.964 that's because we believe they started

NOTE Confidence: 0.866588

00:05:41.964 --> 00:05:44.419 in those places and they start,

NOTE Confidence: 0.866588

00:05:44.420 --> 00:05:46.315 you're absolutely right from cells

NOTE Confidence: 0.866588

00:05:46.315 --> 00:05:48.738 that are different from these glandular

NOTE Confidence: 0.866588

00:05:48.738 --> 00:05:50.586 cells that an adenocarcinoma

NOTE Confidence: 0.866588

00:05:50.590 --> 00:05:51.814 originate from neuroendocrine

NOTE Confidence: 0.866588

00:05:51.814 --> 00:05:53.038 cells are unique.

NOTE Confidence: 0.866588

00:05:53.040 --> 00:05:55.075 They happened to be scattered

NOTE Confidence: 0.866588

00:05:55.075 --> 00:05:56.296 throughout the body.

NOTE Confidence: 0.866588

00:05:56.300 --> 00:05:57.932 They share features of

NOTE Confidence: 0.866588

00:05:57.932 --> 00:05:59.564 some typical cancer cells,

NOTE Confidence: 0.866588

00:05:59.570 --> 00:06:01.748 but one thing that makes them

NOTE Confidence: 0.866588

00:06:01.748 --> 00:06:04.213 unique is that some of them

NOTE Confidence: 0.866588

00:06:04.213 --> 00:06:06.089 can actually secrete hormones.

NOTE Confidence: 0.866588

00:06:06.090 --> 00:06:08.946 That's how they get their name endocrine.

NOTE Confidence: 0.866588

00:06:08.950 --> 00:06:11.170 And so these cancers that

NOTE Confidence: 0.866588

00:06:11.170 --> 00:06:13.440 originate in the small intestine,

NOTE Confidence: 0.866588

00:06:13.440 --> 00:06:14.292 for example,

NOTE Confidence: 0.866588

00:06:14.292 --> 00:06:16.422 sometimes can secrete a hormone

NOTE Confidence: 0.866588

00:06:16.422 --> 00:06:18.586 called serotonin that can cause

NOTE Confidence: 0.866588

00:06:18.586 --> 00:06:20.616 things like diarrhea and flushing.

NOTE Confidence: 0.866588

00:06:20.620 --> 00:06:23.254 And some of the pancreatic neuroendocrine

NOTE Confidence: 0.866588

00:06:23.254 --> 00:06:26.259 cancers can secrete other types of hormones,

NOTE Confidence: 0.866588

00:06:26.260 --> 00:06:27.140 for example,

NOTE Confidence: 0.866588

00:06:27.140 --> 00:06:27.580 insulin,

NOTE Confidence: 0.866588

00:06:27.580 --> 00:06:31.040 that can make your blood sugar quite low.

NOTE Confidence: 0.866588

00:06:31.040 --> 00:06:33.770 So it's a combination of

NOTE Confidence: 0.866588

00:06:33.770 --> 00:06:36.011 things that helps us eventually

NOTE Confidence: 0.866588

00:06:36.011 --> 00:06:37.975 lead to that diagnosis,

NOTE Confidence: 0.866588

00:06:37.980 --> 00:06:38.410 and

NOTE Confidence: 0.8542836

00:06:38.410 --> 00:06:41.020 then tailor that treatment and so

NOTE Confidence: 0.8542836

00:06:41.020 --> 00:06:44.521 if a patient were to present and they

NOTE Confidence: 0.8542836

00:06:44.521 --> 00:06:48.167 go and they have a colonoscopy and they

NOTE Confidence: 0.8542836

00:06:48.167 --> 00:06:51.519 have a biopsy and the biopsy shows

NOTE Confidence: 0.8542836

00:06:51.520 --> 00:06:54.052 a neuroendocrine origin is it likely

NOTE Confidence: 0.8542836

00:06:54.052 --> 00:06:56.320 that started in neuroendocrine

NOTE Confidence: 0.8542836

00:06:56.320 --> 00:06:58.850 cells of the colon itself?

NOTE Confidence: 0.8542836

00:06:58.850 --> 00:07:01.834 Or does this prompt then a little search

NOTE Confidence: 0.8542836

00:07:01.834 --> 00:07:04.122 to see whether that neuroendocrine

NOTE Confidence: 0.8542836

00:07:04.122 --> 00:07:07.517 tumor that was found in the colon

NOTE Confidence: 0.8542836

00:07:07.597 --> 00:07:10.297 actually came from somewhere else,

NOTE Confidence: 0.8542836

00:07:10.300 --> 00:07:13.018 or how common would that be

NOTE Confidence: 0.8542836

00:07:13.018 --> 00:07:16.250 for it to migrate to the colon?

NOTE Confidence: 0.8542836

00:07:16.250 --> 00:07:19.746 Many of our listeners may know that garden

NOTE Confidence: 0.8542836

00:07:19.746 --> 00:07:22.658 variety colon cancer goes other places.

NOTE Confidence: 0.8542836

00:07:22.660 --> 00:07:25.690 It goes to the liver and

NOTE Confidence: 0.8542836

00:07:25.690 --> 00:07:27.946 so on and so forth.

NOTE Confidence: 0.8542836

00:07:27.950 --> 00:07:29.450 But do these neuroendocrine

NOTE Confidence: 0.8542836

00:07:29.450 --> 00:07:30.950 tumors that may start,

NOTE Confidence: 0.8542836

00:07:30.950 --> 00:07:33.206 for example, in the small bowel,

NOTE Confidence: 0.8542836

00:07:33.210 --> 00:07:35.090 end up in the colon?

NOTE Confidence: 0.8613419

00:07:35.970 --> 00:07:37.900 That would be very unusual.

NOTE Confidence: 0.8613419

00:07:37.900 --> 00:07:39.810 They would more commonly spread

NOTE Confidence: 0.8613419

00:07:39.810 --> 00:07:42.520 to lymph nodes and to the liver,

NOTE Confidence: 0.8613419

00:07:42.520 --> 00:07:44.440 but to your original question,

NOTE Confidence: 0.8613419

00:07:44.440 --> 00:07:46.630 we do something called a staging

NOTE Confidence: 0.8613419

00:07:46.630 --> 00:07:49.688 work up really at the time anyone is

NOTE Confidence: 0.8613419

00:07:49.688 --> 00:07:51.968 diagnosed with any sort of cancer

NOTE Confidence: 0.8613419

00:07:52.043 --> 00:07:54.407 that helps us determine the extent

NOTE Confidence: 0.8613419

00:07:54.407 --> 00:07:56.760 of the cancer where perhaps has

NOTE Confidence: 0.8613419

00:07:56.760 --> 00:07:58.685 the cancer spread anywhere else.

NOTE Confidence: 0.8613419

00:07:58.690 --> 00:08:02.010 We do that by using a CTE or a CAT

NOTE Confidence: 0.8613419

00:08:02.117 --> 00:08:05.733 scan that helps us look at the chest,

NOTE Confidence: 0.8613419

00:08:05.740 --> 00:08:07.890 the abdomen and the pelvis.

NOTE Confidence: 0.8613419

00:08:07.890 --> 00:08:10.648 For other areas of cancer we will

NOTE Confidence: 0.8613419

00:08:10.648 --> 00:08:13.307 also sometimes do blood work that

NOTE Confidence: 0.8613419

00:08:13.307 --> 00:08:15.627 includes looking at blood tests,

NOTE Confidence: 0.8613419

00:08:15.630 --> 00:08:17.338 cell counts, liver tests,

NOTE Confidence: 0.8613419

00:08:17.338 --> 00:08:20.830 kidney tests to also see if there is

NOTE Confidence: 0.8613419

00:08:20.830 --> 00:08:23.368 any other effect on other organs,

NOTE Confidence: 0.8613419

00:08:23.370 --> 00:08:24.230 and so

NOTE Confidence: 0.874066

00:08:24.230 --> 00:08:26.065 you'll do this regardless of

NOTE Confidence: 0.874066

00:08:26.065 --> 00:08:27.900 whether they presented with a

NOTE Confidence: 0.874066

00:08:27.967 --> 00:08:30.427 neuroendocrine tumor or whether they

NOTE Confidence: 0.874066

00:08:30.427 --> 00:08:32.395 presented with an adenocarcinoma?

NOTE Confidence: 0.874066

00:08:32.400 --> 00:08:34.980 That's correct, yes

NOTE Confidence: 0.859899785714285

00:08:34.980 --> 00:08:38.704 and

NOTE Confidence: 0.859899785714285

00:08:38.710 --> 00:08:42.262 kind of getting back to where we started

NOTE Confidence: 0.859899785714285

00:08:42.262 --> 00:08:45.419 in terms of patient presentation,

NOTE Confidence: 0.859899785714285

00:08:45.420 --> 00:08:48.510 you had mentioned that neuroendocrine tumors,

NOTE Confidence: 0.859899785714285

00:08:48.510 --> 00:08:52.129 because they tend to secrete these hormones,

NOTE Confidence: 0.859899785714285

00:08:52.130 --> 00:08:56.176 they can present with symptoms of diarrhea

NOTE Confidence: 0.859899785714285

00:08:56.176 --> 00:08:59.868 and flushing and so on and so forth.

NOTE Confidence: 0.859899785714285

00:08:59.870 --> 00:09:03.140 Whereas many colon cancers actually

NOTE Confidence: 0.859899785714285

00:09:03.140 --> 00:09:05.756 may be completely asymptomatic

NOTE Confidence: 0.859899785714285

00:09:05.760 --> 00:09:07.890 often because we have screening,

NOTE Confidence: 0.859899785714285

00:09:07.890 --> 00:09:10.020 For our listeners,

NOTE Confidence: 0.859899785714285

00:09:10.020 --> 00:09:12.582 there was an update to the

NOTE Confidence: 0.859899785714285

00:09:12.582 --> 00:09:14.290 screening guidelines for colon

NOTE Confidence: 0.859899785714285

00:09:14.367 --> 00:09:16.839 cancer that was recently put out.

NOTE Confidence: 0.859899785714285

00:09:16.840 --> 00:09:19.390 Do you want to tell us

NOTE Confidence: 0.8655688

00:09:19.390 --> 00:09:21.946 a little bit more about that?

NOTE Confidence: 0.8655688

00:09:21.950 --> 00:09:22.754 Yes, definitely,

NOTE Confidence: 0.8655688

00:09:22.754 --> 00:09:25.568 and I think that's also another key

NOTE Confidence: 0.8655688

00:09:25.568 --> 00:09:27.907 between the garden variety,

NOTE Confidence: 0.8655688

00:09:27.910 --> 00:09:29.886 colon adenocarcinoma and neuroendocrine

NOTE Confidence: 0.8655688

00:09:29.886 --> 00:09:33.300 tumors is that there are precursors or

NOTE Confidence: 0.8655688

00:09:33.300 --> 00:09:35.180 pre cancers to colon adenocarcinoma

NOTE Confidence: 0.8655688

00:09:35.180 --> 00:09:37.410 that we can detect as polyps.

NOTE Confidence: 0.8655688

00:09:37.410 --> 00:09:40.917 So small little growths within the colon,

NOTE Confidence: 0.8655688

00:09:40.920 --> 00:09:44.077 we can detect and remove and prevent

NOTE Confidence: 0.8655688

00:09:44.077 --> 00:09:48.233 cancer and the way we do that is through

NOTE Confidence: 0.8655688

00:09:48.233 --> 00:09:51.301 colonoscopies and so last week the

NOTE Confidence: 0.8655688

00:09:51.301 --> 00:09:54.805 large guidelines body called the United

NOTE Confidence: 0.8655688

00:09:54.805 --> 00:09:57.528 States Preventive Services Task Force,

NOTE Confidence: 0.8655688

00:09:57.528 --> 00:10:00.108 a large organization that

NOTE Confidence: 0.8655688

00:10:00.110 --> 00:10:02.140 helps determine guidelines for screening,

NOTE Confidence: 0.8655688

00:10:02.140 --> 00:10:05.388 came out out with a new recommendation.

NOTE Confidence: 0.8655688

00:10:05.390 --> 00:10:08.288 It's in draft format right now, to

NOTE Confidence: 0.8655688

00:10:08.288 --> 00:10:10.397 lower the colon cancer screening

NOTE Confidence: 0.8655688

00:10:10.397 --> 00:10:13.509 age to 45 from the age of 50,

NOTE Confidence: 0.8655688

00:10:13.510 --> 00:10:17.155 so this is moving it earlier by five years,

NOTE Confidence: 0.8655688

00:10:17.160 --> 00:10:19.440 and that's for people that have

NOTE Confidence: 0.8655688

00:10:19.440 --> 00:10:22.029 an average risk of colon cancer,

NOTE Confidence: 0.8655688

00:10:22.030 --> 00:10:24.732 so no strong family history

NOTE Confidence: 0.8655688

00:10:24.732 --> 00:10:27.223 or personal history or other risk

NOTE Confidence: 0.8655688

00:10:27.223 --> 00:10:29.743 factors that would increase your risk.

NOTE Confidence: 0.8655688

00:10:29.750 --> 00:10:32.300 This is for average risk individuals.

NOTE Confidence: 0.8655688

00:10:32.300 --> 00:10:33.548 And so why

NOTE Confidence: 0.89123785

00:10:33.550 --> 00:10:35.630 did they do that?

NOTE Confidence: 0.89123785

00:10:35.630 --> 00:10:37.814 Why are they now thinking that

NOTE Confidence: 0.89123785

00:10:37.814 --> 00:10:40.620 people need to get screened earlier?

NOTE Confidence: 0.89123785

00:10:40.620 --> 00:10:42.700 Are we finding cancers at

NOTE Confidence: 0.89123785

00:10:42.700 --> 00:10:45.172 earlier ages?

NOTE Confidence: 0.89123785

00:10:45.172 --> 00:10:47.270 We are in fact finding cancers at earlier ages

NOTE Confidence: 0.89123785

00:10:47.270 --> 00:10:49.766 really, since the 1990s,

NOTE Confidence: 0.89123785

00:10:49.770 --> 00:10:52.712 we've seen an increase of 2% per

NOTE Confidence: 0.89123785

00:10:52.712 --> 00:10:55.364 year of the incidence of colon

NOTE Confidence: 0.89123785

00:10:55.364 --> 00:10:58.507 cancer in people under the age of 55.

NOTE Confidence: 0.89123785

00:10:58.510 --> 00:11:01.025 Some other organizations,

NOTE Confidence: 0.89123785

00:11:01.025 --> 00:11:03.540 the American College of Gastroenterology

NOTE Confidence: 0.89123785

00:11:03.540 --> 00:11:05.368 decreased their screening recommendation

NOTE Confidence: 0.89123785

00:11:05.368 --> 00:11:08.460 age to 45 years for black men.

NOTE Confidence: 0.89123785

00:11:08.460 --> 00:11:11.673 This was in the mid 2000s and in 2018

NOTE Confidence: 0.89123785

00:11:11.673 --> 00:11:14.987 the American Cancer Society reduced that

NOTE Confidence: 0.89123785

00:11:14.987 --> 00:11:18.733 colon cancer screening age to 45 for

NOTE Confidence: 0.89123785

00:11:18.733 --> 00:11:22.224 all people and that was just two years ago,

NOTE Confidence: 0.89123785

00:11:22.224 --> 00:11:25.410 and I think that over the last few years

NOTE Confidence: 0.89123785

00:11:25.496 --> 00:11:28.712 we've seen just stronger evidence to

NOTE Confidence: 0.89123785

00:11:28.712 --> 00:11:31.250 support lowering this screening age,

NOTE Confidence: 0.89123785

00:11:31.250 --> 00:11:33.470 and therefore the United States

NOTE Confidence: 0.89123785

00:11:33.470 --> 00:11:35.690 Preventive Services Task Force came

NOTE Confidence: 0.89123785

00:11:35.757 --> 00:11:38.007 out with this recommendation last

NOTE Confidence: 0.89123785

00:11:38.010 --> 00:11:39.010 week and

NOTE Confidence: 0.844091

00:11:39.010 --> 00:11:42.685 the screening guidelines for colon

NOTE Confidence: 0.844091

00:11:42.685 --> 00:11:46.939 cancer may be a little bit confusing for

NOTE Confidence: 0.844091

00:11:46.939 --> 00:11:50.482 some of our listeners because it really

NOTE Confidence: 0.844091

00:11:50.482 --> 00:11:53.946 depends on the type of test.

NOTE Confidence: 0.844091

00:11:53.950 --> 00:11:56.932 Sometimes they say get a colonoscopy

NOTE Confidence: 0.844091

00:11:56.932 --> 00:12:00.915 every 10 years, but then there are other

NOTE Confidence: 0.844091

00:12:00.915 --> 00:12:03.906 tests like flexible sigmoidoscopy.

NOTE Confidence: 0.844091

00:12:03.906 --> 00:12:05.898 There are contact tests.

NOTE Confidence: 0.844091

00:12:05.900 --> 00:12:08.580 There are now tests like

NOTE Confidence: 0.844091

00:12:08.580 --> 00:12:10.920 Cologuard so stool DNA tests.

NOTE Confidence: 0.844091

00:12:10.920 --> 00:12:14.446 There are fecal occult blood tests, can you

NOTE Confidence: 0.844091

00:12:14.446 --> 00:12:17.526 help our listeners to understand

NOTE Confidence: 0.844091

00:12:17.526 --> 00:12:21.103 these different tests and what they

NOTE Confidence: 0.844091

00:12:21.103 --> 00:12:24.490 should be doing in terms of screening?

NOTE Confidence: 0.844091

00:12:24.490 --> 00:12:27.142 Because when they read the

NOTE Confidence: 0.844091

00:12:27.142 --> 00:12:30.579 guidelines it may get a little confusing.

NOTE Confidence: 0.86578053

00:12:31.290 --> 00:12:33.810 So your team

NOTE Confidence: 0.86578053

00:12:33.810 --> 00:12:36.090 of doctors will help guide you to

NOTE Confidence: 0.86578053

00:12:36.090 --> 00:12:37.566 select the test that's

NOTE Confidence: 0.86578053

00:12:37.566 --> 00:12:39.780 best for you and

NOTE Confidence: 0.86578053

00:12:39.780 --> 00:12:41.256 full disclosure,

NOTE Confidence: 0.86578053

00:12:41.256 --> 00:12:43.470 my husband is a gastroenterologist and

NOTE Confidence: 0.86578053

00:12:43.470 --> 00:12:46.782 we talk about this a lot at home,

NOTE Confidence: 0.86578053

00:12:46.790 --> 00:12:49.652 and I'll

NOTE Confidence: 0.86578053

00:12:49.652 --> 00:12:52.767 quote something that he says which is any

NOTE Confidence: 0.86578053

00:12:52.767 --> 00:12:55.278 screening is better than no screening.

NOTE Confidence: 0.86578053

00:12:55.280 --> 00:12:58.223 And so I think your first stop

NOTE Confidence: 0.86578053

00:12:58.223 --> 00:13:01.300 is talking to your primary care doctor.

NOTE Confidence: 0.86578053

00:13:01.300 --> 00:13:03.715 So these are the doctors that will

NOTE Confidence: 0.86578053

00:13:03.715 --> 00:13:06.261 often refer you to get colon cancer

NOTE Confidence: 0.86578053

00:13:06.261 --> 00:13:08.415 screening that is right for you.

NOTE Confidence: 0.86578053

00:13:08.420 --> 00:13:11.356 Your next stop usually is with a gastroenterologist

NOTE Confidence: 0.86578053

00:13:11.356 --> 00:13:13.633 and they will talk with

NOTE Confidence: 0.86578053

00:13:13.633 --> 00:13:16.229 you about this range of screening and

NOTE Confidence: 0.86578053

00:13:16.229 --> 00:13:18.781 you did a very nice job listing

NOTE Confidence: 0.86578053

00:13:18.781 --> 00:13:21.182 those options and these are tests

NOTE Confidence: 0.86578053

00:13:21.182 --> 00:13:23.730 that look for hidden blood in stools.

NOTE Confidence: 0.86578053

00:13:23.730 --> 00:13:25.860 Those are called occult blood tests.

NOTE Confidence: 0.86578053

00:13:25.860 --> 00:13:28.121 There is the DNA based test so

NOTE Confidence: 0.86578053

00:13:28.121 --> 00:13:30.450 we know that colon cancers can

NOTE Confidence: 0.86578053

00:13:30.450 --> 00:13:33.006 actually shed DNA into the stool.

NOTE Confidence: 0.86578053

00:13:33.010 --> 00:13:35.380 And we can look for that.

NOTE Confidence: 0.86578053

00:13:35.380 --> 00:13:38.458 A sigmoidoscopy will look just in the

NOTE Confidence: 0.86578053

00:13:38.458 --> 00:13:41.307 bottom portion of your large intestine,

NOTE Confidence: 0.86578053

00:13:41.310 --> 00:13:42.790 called the sigmoid colon,

NOTE Confidence: 0.86578053

00:13:42.790 --> 00:13:45.497 so it will only detect that and it is

NOTE Confidence: 0.86578053

00:13:45.497 --> 00:13:47.557 an actual camera that's inserted

NOTE Confidence: 0.86578053

00:13:47.557 --> 00:13:49.205 into the sigmoid colon.

NOTE Confidence: 0.86578053

00:13:49.210 --> 00:13:52.094 A full colonoscopy will have a camera

NOTE Confidence: 0.86578053

00:13:52.094 --> 00:13:55.126 inserted into the entirety of your colon,

NOTE Confidence: 0.86578053

00:13:55.130 --> 00:13:58.290 and so there's a huge range of options.

NOTE Confidence: 0.86578053

00:13:58.290 --> 00:14:01.055 And I agree it can be confusing,

NOTE Confidence: 0.86578053

00:14:01.060 --> 00:14:03.080 but I think that the

NOTE Confidence: 0.86578053

00:14:03.080 --> 00:14:05.432 best thing is to really talk with

NOTE Confidence: 0.86578053

00:14:05.432 --> 00:14:07.707 your primary care doctor and gastroenterologist

NOTE Confidence: 0.86578053

00:14:07.707 --> 00:14:09.327 about these options.

NOTE Confidence: 0.86578053

00:14:09.330 --> 00:14:11.406 Some tests may be better for

NOTE Confidence: 0.86578053

00:14:11.406 --> 00:14:12.444 different patients,

NOTE Confidence: 0.86578053

00:14:12.450 --> 00:14:15.568 but let me talk a little bit about

NOTE Confidence: 0.86578053

00:14:15.570 --> 00:14:17.784 some of the advantages of why

NOTE Confidence: 0.86578053

00:14:17.784 --> 00:14:19.260 colonoscopy and perhaps even

NOTE Confidence: 0.86578053

00:14:19.326 --> 00:14:21.234 sigmoidoscopy outweigh some of

NOTE Confidence: 0.86578053

00:14:21.234 --> 00:14:23.209 the others right after we take

00:14:25.794 --> 00:14:28.408 a short break for a medical minute.

NOTE Confidence: 0.86005306

00:14:28.410 --> 00:14:30.666 Please stay tuned to learn more

NOTE Confidence: 0.86005306

00:14:30.666 --> 00:14:32.170 information about colon cancer

NOTE Confidence: 0.86005306

00:14:32.239 --> 00:14:34.340 with my guest, Doctor Pamela Kunz.

NOTE Confidence: 0.8461651

00:14:34.340 --> 00:14:37.808 Support for Yale Cancer Answers

NOTE Confidence: 0.8461651

00:14:37.808 --> 00:14:40.120 comes from AstraZeneca, dedicated

NOTE Confidence: 0.8461651

00:14:40.205 --> 00:14:43.429 to providing innovative treatment

NOTE Confidence: 0.8461651

00:14:43.429 --> 00:14:47.459 options for people living with

NOTE Confidence: 0.8461651

00:14:47.459 --> 00:14:48.265 cancer. Learn more at astrazeneca-us.com.

NOTE Confidence: 0.8461651

00:14:48.270 --> 00:14:51.196 This is a medical minute about genetic

NOTE Confidence: 0.8461651

00:14:51.196 --> 00:14:53.738 testing which can be useful for

NOTE Confidence: 0.8461651

00:14:53.738 --> 00:14:56.156 people with certain types of cancer

NOTE Confidence: 0.8461651

00:14:56.156 --> 00:14:58.876 that seem to run in their families.

NOTE Confidence: 0.8461651

00:14:58.880 --> 00:15:01.382 Patients that are considered at risk

NOTE Confidence: 0.8461651

00:15:01.382 --> 00:15:03.854 receive genetic counseling and testing so

NOTE Confidence: 0.8461651

00:15:03.854 --> 00:15:06.056 informed medical decisions can be based

NOTE Confidence: 0.8461651

00:15:06.056 --> 00:15:08.670 on their own personal risk assessment.

NOTE Confidence: 0.8461651

00:15:08.670 --> 00:15:10.480 Resources for genetic counseling and

NOTE Confidence: 0.8461651

00:15:10.480 --> 00:15:12.290 testing are available at federally

NOTE Confidence: 0.8461651

00:15:12.341 --> 00:15:14.377 designated comprehensive cancer centers.

NOTE Confidence: 0.8461651

00:15:14.380 --> 00:15:16.012 Interdisciplinary teams include geneticists,

NOTE Confidence: 0.8461651

00:15:16.012 --> 00:15:17.316 genetic counselors, physicians,

NOTE Confidence: 0.8461651

00:15:17.316 --> 00:15:18.288 and nurses

NOTE Confidence: 0.8461651

00:15:18.288 --> 00:15:20.718 who work together to provide

NOTE Confidence: 0.8461651

00:15:20.718 --> 00:15:22.961 risk assessment and steps to

NOTE Confidence: 0.8461651

00:15:22.961 --> 00:15:24.956 prevent the development of cancer.

NOTE Confidence: 0.8461651

00:15:24.960 --> 00:15:26.740 More information is available

NOTE Confidence: 0.8461651

00:15:26.740 --> 00:15:27.630 at yalecancercenter.org.

NOTE Confidence: 0.8461651

00:15:27.630 --> 00:15:31.230 You're listening to Connecticut Public Radio.

NOTE Confidence: 0.8461651

00:15:31.230 --> 00:15:31.630 Welcome

NOTE Confidence: 0.86434764

00:15:31.630 --> 00:15:33.630 back to Yale Cancer Answers.

NOTE Confidence: 0.86434764

00:15:33.630 --> 00:15:35.808 This is doctor in Anees Chagpar

NOTE Confidence: 0.86434764

00:15:35.808 --> 00:15:38.221 and I'm joined tonight by

NOTE Confidence: 0.86434764

00:15:38.221 --> 00:15:40.426 my guest doctor Pamela Kunz.

NOTE Confidence: 0.86434764

00:15:40.430 --> 00:15:42.430 We're talking about colon cancer,

NOTE Confidence: 0.86434764

00:15:42.430 --> 00:15:43.537 and neuroendocrine tumors,

NOTE Confidence: 0.86434764

00:15:43.537 --> 00:15:46.120 and right before the break we were

NOTE Confidence: 0.86434764

00:15:46.184 --> 00:15:48.149 talking about some recent updates

NOTE Confidence: 0.86434764

00:15:48.149 --> 00:15:50.608 to the colon cancer guidelines that

NOTE Confidence: 0.86434764

00:15:50.608 --> 00:15:52.728 recommend that everybody at

NOTE Confidence: 0.86434764

00:15:52.728 --> 00:15:55.230 average risk start getting their colon

NOTE Confidence: 0.86434764

00:15:55.230 --> 00:15:58.430 cancer screening done at the age of 45.

NOTE Confidence: 0.86434764

00:15:58.430 --> 00:16:00.992 Now, for anybody who's read those

NOTE Confidence: 0.86434764

00:16:00.992 --> 00:16:02.700 colon cancer screening guidelines,

NOTE Confidence: 0.86434764

00:16:02.700 --> 00:16:04.410 it's a little bit confusing.

NOTE Confidence: 0.86434764

00:16:04.410 --> 00:16:06.120 There's all kinds of tests

NOTE Confidence: 0.86434764

00:16:06.120 --> 00:16:08.200 that are out there, and Pamela,

NOTE Confidence: 0.86434764

00:16:08.200 --> 00:16:10.330 you were telling us right before

NOTE Confidence: 0.86434764

00:16:10.330 --> 00:16:12.657 the break that this is a decision

NOTE Confidence: 0.86434764

00:16:12.657 --> 00:16:14.624 that you really need to make

NOTE Confidence: 0.86434764

00:16:14.624 --> 00:16:16.379 with your health care team.

NOTE Confidence: 0.86434764

00:16:16.380 --> 00:16:17.744 Your primary care doctor,

NOTE Confidence: 0.86434764

00:16:17.744 --> 00:16:18.426 your gastroenterologist.

NOTE Confidence: 0.86434764

00:16:18.430 --> 00:16:20.590 But you are going to make a pitch

NOTE Confidence: 0.86434764

00:16:20.590 --> 00:16:23.219 for a particular form of screening.

NOTE Confidence: 0.86434764

00:16:23.220 --> 00:16:26.298 So tell us a little bit more about that.

NOTE Confidence: 0.88890046

00:16:27.420 --> 00:16:30.227 That's right, so there are a number

NOTE Confidence: 0.88890046

00:16:30.227 --> 00:16:33.256 of options, but I was going to talk a

NOTE Confidence: 0.88890046

00:16:33.256 --> 00:16:35.840 little bit more about colonoscopies.

NOTE Confidence: 0.88890046

00:16:35.840 --> 00:16:37.905 I think that colonoscopies really

NOTE Confidence: 0.88890046

00:16:37.905 --> 00:16:40.416 meet a number of different needs

NOTE Confidence: 0.88890046

00:16:40.416 --> 00:16:42.660 in terms of the screening goals,

NOTE Confidence: 0.88890046

00:16:42.660 --> 00:16:45.572 so number one, to take

NOTE Confidence: 0.88890046

00:16:45.572 --> 00:16:49.334 a step back to describe them,

NOTE Confidence: 0.88890046

00:16:49.334 --> 00:16:52.046 your gastroenterologist will use a

NOTE Confidence: 0.88890046

00:16:52.046 --> 00:16:54.686 small camera on the end of a tube

NOTE Confidence: 0.88890046

00:16:54.690 --> 00:16:57.150 and that allows them to detect

NOTE Confidence: 0.88890046

00:16:57.150 --> 00:16:59.455 small polyps, which are these

NOTE Confidence: 0.88890046

00:16:59.455 --> 00:17:01.760 precancerous spots and remove them,

NOTE Confidence: 0.88890046

00:17:01.760 --> 00:17:04.476 and I think that is critical

NOTE Confidence: 0.88890046

00:17:04.476 --> 00:17:07.289 in terms of cancer prevention.

NOTE Confidence: 0.88890046

00:17:07.290 --> 00:17:10.321 Some of these other tools might identify

NOTE Confidence: 0.88890046

00:17:10.321 --> 00:17:13.750 that perhaps you have a precancerous lesion,

NOTE Confidence: 0.88890046

00:17:13.750 --> 00:17:16.510 or perhaps you have a cancer,

NOTE Confidence: 0.88890046

00:17:16.510 --> 00:17:19.372 but don't also enable the ability

NOTE Confidence: 0.88890046

00:17:19.372 --> 00:17:22.040 to actually remove that polyp,

NOTE Confidence: 0.88890046

00:17:22.040 --> 00:17:24.848 so that's why I think colonoscopies

NOTE Confidence: 0.88890046

00:17:24.848 --> 00:17:27.200 really are probably the best

NOTE Confidence: 0.88890046

00:17:27.200 --> 00:17:29.696 tool and considered the gold standard.

00:17:30.120 --> 00:17:34.224 So just to be honest, r

NOTE Confidence: 0.8687898

00:17:34.224 --> 00:17:36.702 I think a lot of people when

NOTE Confidence: 0.8687898

00:17:36.702 --> 00:17:38.879 they think about colonoscopy,

NOTE Confidence: 0.8687898

00:17:38.880 --> 00:17:42.435 the things that kind of make people less than

NOTE Confidence: 0.8687898

00:17:42.435 --> 00:17:45.548 enamored with the technique, is number 1,

NOTE Confidence: 0.8687898

00:17:45.548 --> 00:17:48.048 the prep because your colon needs

NOTE Confidence: 0.8687898

00:17:48.050 --> 00:17:50.927 to be really clean for somebody to

NOTE Confidence: 0.8687898

00:17:50.927 --> 00:17:53.932 put a camera in there and actually

NOTE Confidence: 0.8687898

00:17:53.932 --> 00:17:56.953 be able to see anything and #2,

NOTE Confidence: 0.8687898

00:17:56.953 --> 00:17:59.425 the whole thought of having

NOTE Confidence: 0.8687898

00:17:59.430 --> 00:18:02.778 to put up your bottom end is not particularly

NOTE Confidence: 0.8687898

00:18:02.778 --> 00:18:05.444 appealing to people when they can think of

NOTE Confidence: 0.8687898

00:18:05.450 --> 00:18:07.928 instead just sending in a stool sample,

NOTE Confidence: 0.8687898

00:18:07.930 --> 00:18:09.862 which although not appealing,

NOTE Confidence: 0.8687898

00:18:09.862 --> 00:18:12.760 sounds a little bit nicer than

NOTE Confidence: 0.8687898

00:18:12.841 --> 00:18:15.817 putting a tube up your bottom end so

NOTE Confidence: 0.8687898

00:18:15.820 --> 00:18:19.735 if you were to do the other, say,

NOTE Confidence: 0.8687898

00:18:19.735 --> 00:18:23.340 a fecal occult blood test or a

NOTE Confidence: 0.8687898

00:18:23.340 --> 00:18:27.175 stool DNA test that now

NOTE Confidence: 0.8687898

00:18:27.175 --> 00:18:31.010 is being marketed to patients,

NOTE Confidence: 0.8687898

00:18:31.010 --> 00:18:32.108 if that's negative,

NOTE Confidence: 0.8687898

00:18:32.108 --> 00:18:34.670 how confident are you in the results?

NOTE Confidence: 0.8687898

00:18:34.670 --> 00:18:35.768 If it's positive,

NOTE Confidence: 0.8687898

00:18:35.768 --> 00:18:38.330 you'll likely end up needing a colonoscopy.

NOTE Confidence: 0.8687898

00:18:38.330 --> 00:18:39.428 Is that right?

NOTE Confidence: 0.8687898

00:18:39.428 --> 00:18:40.160 That's right,

NOTE Confidence: 0.8575937

00:18:40.160 --> 00:18:42.356 so if those tests are positive,

NOTE Confidence: 0.8575937

00:18:42.360 --> 00:18:45.280 you will still need to do the prep.

NOTE Confidence: 0.8575937

00:18:45.280 --> 00:18:47.320 I think that's one of the

NOTE Confidence: 0.8575937

00:18:47.320 --> 00:18:49.152 aspects of a colonoscopy that

NOTE Confidence: 0.8575937

00:18:49.152 --> 00:18:51.137 most people are worried about.

NOTE Confidence: 0.8575937

00:18:51.140 --> 00:18:53.492 That's when you have to drink a

NOTE Confidence: 0.8575937

00:18:53.492 --> 00:18:55.405 special fluid that helps clean

NOTE Confidence: 0.8575937

00:18:55.405 --> 00:18:58.324 out your colon in order for the

NOTE Confidence: 0.8575937

00:18:58.324 --> 00:19:00.290 gastroenterologist to really see a shiny,

NOTE Confidence: 0.8575937

00:19:00.290 --> 00:19:03.020 clean colon and detect the polyps so

NOTE Confidence: 0.8575937

00:19:03.020 --> 00:19:05.528 the prep is scary.

NOTE Confidence: 0.8575937

00:19:05.530 --> 00:19:08.407 And in terms of these other options,

NOTE Confidence: 0.8575937

00:19:08.410 --> 00:19:09.577 if it's negative,

NOTE Confidence: 0.8575937

00:19:09.577 --> 00:19:13.340 so if a fecal occult blood test is negative,

NOTE Confidence: 0.8575937

00:19:13.340 --> 00:19:16.217 or the stool DNA test is negative,

NOTE Confidence: 0.8575937

00:19:16.220 --> 00:19:18.680 it's reassuring, but it's not 100%.

NOTE Confidence: 0.86405677

00:19:20.090 --> 00:19:23.338 And colonoscopy really allows the

NOTE Confidence: 0.86405677

00:19:23.338 --> 00:19:25.496 gastroenterologist to look inside your

NOTE Confidence: 0.86405677

00:19:25.496 --> 00:19:28.264 colon and see if there are any polyps,

NOTE Confidence: 0.86405677

00:19:28.270 --> 00:19:29.670 and to remove them.

NOTE Confidence: 0.86405677

00:19:29.670 --> 00:19:32.338 Now before the break we were also

NOTE Confidence: 0.86405677

00:19:32.338 --> 00:19:34.294 talking about neuroendocrine tumors

NOTE Confidence: 0.86405677

00:19:34.294 --> 00:19:37.559 and you had mentioned that

NOTE Confidence: 0.86405677

00:19:37.559 --> 00:19:40.535 these are from a different cell of origin.

NOTE Confidence: 0.86405677

00:19:40.540 --> 00:19:42.172 They often secrete hormones,

00:19:44.220 --> 00:19:46.758 and rarely they can actually

NOTE Confidence: 0.86405677

00:19:46.758 --> 00:19:49.130 reside inside the colon as well.

NOTE Confidence: 0.86405677

00:19:49.130 --> 00:19:51.230 Now does a colonoscopy

NOTE Confidence: 0.86405677

00:19:51.230 --> 00:19:52.630 find these as well,

NOTE Confidence: 0.86405677

00:19:52.630 --> 00:19:55.157 or are these kind of hidden and

NOTE Confidence: 0.86405677

00:19:55.157 --> 00:19:57.558 the only way that you can really

NOTE Confidence: 0.86405677

00:19:57.558 --> 00:20:00.188 find them is when you present with

NOTE Confidence: 0.86405677

00:20:00.190 --> 00:20:01.669 symptoms?

NOTE Confidence: 0.8746865

00:20:01.670 --> 00:20:04.466 A colonoscopy will help us detect any

NOTE Confidence: 0.8746865

00:20:04.466 --> 00:20:08.076 abnormalities in the colon actually, and it

NOTE Confidence: 0.8746865

00:20:08.076 --> 00:20:11.527 will help detect other types of cancers.

NOTE Confidence: 0.8746865

00:20:11.530 --> 00:20:14.882 It will help detect other types of conditions

NOTE Confidence: 0.8746865

00:20:14.882 --> 00:20:17.939 such as inflammatory bowel disease,

NOTE Confidence: 0.8746865

00:20:17.940 --> 00:20:20.470 but what's unique about neuroendocrine

NOTE Confidence: 0.8746865

00:20:20.470 --> 00:20:24.031 tumors is that they don't have a

NOTE Confidence: 0.8746865

00:20:24.031 --> 00:20:26.401 precursor or a precancerous spot

NOTE Confidence: 0.8746865

00:20:26.401 --> 00:20:28.780 that develops before the cancer.

NOTE Confidence: 0.8746865

00:20:28.780 --> 00:20:31.804 So very likely if a neuroendocrine

NOTE Confidence: 0.8746865

00:20:31.804 --> 00:20:33.316 tumor is present

NOTE Confidence: 0.8746865

00:20:33.320 --> 00:20:36.638 in the colon, it's already a cancer,

NOTE Confidence: 0.8746865

00:20:36.640 --> 00:20:38.790 whereas for colonoscopy the

NOTE Confidence: 0.8746865

00:20:38.790 --> 00:20:42.061 intent is to try to catch cancers

NOTE Confidence: 0.8746865

00:20:42.061 --> 00:20:45.163 earlier before they are even cancers.

NOTE Confidence: 0.8746865

00:20:45.170 --> 00:20:47.070 So detect the polyps.

NOTE Confidence: 0.8656054

00:20:48.630 --> 00:20:50.710 And the guidelines for colonoscopy,

NOTE Confidence: 0.8656054

00:20:50.710 --> 00:20:52.334 if I remember correctly,

NOTE Confidence: 0.8656054

00:20:52.334 --> 00:20:55.290 are for a colonoscopy every 10 years.

NOTE Confidence: 0.8656054

00:20:55.290 --> 00:20:57.370 Some people may look at

NOTE Confidence: 0.8656054

00:20:57.370 --> 00:20:59.450 that and say 10 years.

NOTE Confidence: 0.8656054

00:20:59.450 --> 00:21:01.946 What happens if I develop one

NOTE Confidence: 0.8656054

00:21:01.946 --> 00:21:03.610 of these precancerous polyps

NOTE Confidence: 0.8656054

00:21:03.610 --> 00:21:04.855 in the interim,

NOTE Confidence: 0.8656054

00:21:04.855 --> 00:21:07.345 is 10 years really the guideline,

NOTE Confidence: 0.8656054

00:21:07.350 --> 00:21:09.846 and what do you say to

NOTE Confidence: 0.8656054

00:21:09.846 --> 00:21:11.510 people who have those

NOTE Confidence: 0.8656054

00:21:11.510 --> 00:21:14.005 concerns?

NOTE Confidence: 0.8656054

00:21:14.005 --> 00:21:15.668 10 years is the guideline that's assuming

NOTE Confidence: 0.8656054

00:21:15.668 --> 00:21:18.164 that you again have average risk,

NOTE Confidence: 0.8656054

00:21:18.170 --> 00:21:19.890 and assuming that

NOTE Confidence: 0.8656054

00:21:19.890 --> 00:21:21.908 first, colonoscopy is completely normal.

NOTE Confidence: 0.8656054

00:21:21.908 --> 00:21:23.893 If that colonoscopy shows polyps,

NOTE Confidence: 0.8656054

00:21:23.900 --> 00:21:27.076 very likely you're asked to come back sooner,

NOTE Confidence: 0.8656054

00:21:27.080 --> 00:21:29.336 often within three years to see

NOTE Confidence: 0.8656054

00:21:29.336 --> 00:21:31.860 if there are any more polyps.

NOTE Confidence: 0.8656054

00:21:31.860 --> 00:21:34.646 But if your colonoscopy is totally clean,

NOTE Confidence: 0.8656054

00:21:34.650 --> 00:21:38.223 you are often asked to return in 10 years,

NOTE Confidence: 0.8656054

00:21:38.230 --> 00:21:40.726 and that's because what we've learned

NOTE Confidence: 0.8656054

00:21:40.726 --> 00:21:43.400 about the biology of polyps is it

NOTE Confidence: 0.8656054

00:21:43.400 --> 00:21:46.039 often can take 10 years for

NOTE Confidence: 0.8656054

00:21:46.039 --> 00:21:48.967 a polyp to turn into a cancer.

NOTE Confidence: 0.8656054

00:21:48.970 --> 00:21:49.816 Now that's

NOTE Confidence: 0.8656054

00:21:49.816 --> 00:21:52.777 I would say on average or typical

NOTE Confidence: 0.8656054

00:21:52.777 --> 00:21:56.040 there are exceptions to that rule, and

NOTE Confidence: 0.87377954

00:21:56.040 --> 00:21:59.910 so the good news for all of our listeners,

NOTE Confidence: 0.87377954

00:21:59.910 --> 00:22:03.294 of course, is that if you do undergo

NOTE Confidence: 0.87377954

00:22:03.294 --> 00:22:05.930 a colonoscopy as Doctor Kunz is

NOTE Confidence: 0.87377954

00:22:05.930 --> 00:22:08.940 recommending starting at the age of 45,

NOTE Confidence: 0.87377954

00:22:08.940 --> 00:22:10.660 if it's completely clean,

NOTE Confidence: 0.87377954

00:22:10.660 --> 00:22:13.240 you don't have to drink that

NOTE Confidence: 0.87377954

00:22:13.320 --> 00:22:15.390 prep for another 10 years,

NOTE Confidence: 0.87377954

00:22:15.390 --> 00:22:19.660 which is always a nice thing to know as well.

NOTE Confidence: 0.87377954

00:22:19.660 --> 00:22:20.920 Doctor Kunz,

NOTE Confidence: 0.87377954

00:22:20.920 --> 00:22:23.056 you had mentioned that

NOTE Confidence: 0.87377954

00:22:23.060 --> 00:22:25.125 for these polyps you can kind of

NOTE Confidence: 0.87377954

00:22:25.125 --> 00:22:28.098 take them out at the time of the

NOTE Confidence: 0.87377954

00:22:28.098 --> 00:22:29.714 colonoscopy and potentially prevent

NOTE Confidence: 0.87377954

00:22:29.714 --> 00:22:31.599 yourself from getting a cancer.

NOTE Confidence: 0.87377954

00:22:31.600 --> 00:22:34.085 But if you've got a neuroendocrine tumor,

NOTE Confidence: 0.87377954

00:22:34.090 --> 00:22:36.589 that's often a cancer that's already there.

NOTE Confidence: 0.87377954

00:22:36.590 --> 00:22:39.355 And sometimes you can find colon cancers

NOTE Confidence: 0.87377954

00:22:39.355 --> 00:22:42.234 that are already in the form of a

NOTE Confidence: 0.87377954

00:22:42.234 --> 00:22:44.419 colon cancer before finding it just as

NOTE Confidence: 0.8727535

00:22:44.420 --> 00:22:46.910 a polyp. Is that right?

NOTE Confidence: 0.8727535

00:22:46.910 --> 00:22:49.943 Yes, and so the biopsy that's done at the time

NOTE Confidence: 0.8727535

00:22:49.943 --> 00:22:53.124 of the colonoscopy can help us to tell

NOTE Confidence: 0.8727535

00:22:53.130 --> 00:22:55.026 what kind of cancer this is,

NOTE Confidence: 0.8727535

00:22:55.030 --> 00:22:56.920 is this an adenocarcinoma?

NOTE Confidence: 0.8727535

00:22:56.920 --> 00:22:58.816 Is it just a pre cancer?

NOTE Confidence: 0.8727535

00:22:58.820 --> 00:23:00.400 Is this a neuroendocrine cancer?

NOTE Confidence: 0.8727535

00:23:00.400 --> 00:23:02.682 So if it's a pre cancer and

NOTE Confidence: 0.8727535

00:23:02.682 --> 00:23:04.508 the polyps removed is that it?

NOTE Confidence: 0.8727535

00:23:04.510 --> 00:23:06.400 Do you have to take anymore

NOTE Confidence: 0.8727535

00:23:06.400 --> 00:23:08.049 medications or is removing the

NOTE Confidence: 0.8727535

00:23:08.049 --> 00:23:10.011 polyp and getting your follow up

NOTE Confidence: 0.8727535

00:23:10.011 --> 00:23:13.200 colonoscopy all you need to do?

NOTE Confidence: 0.89113325

00:23:13.200 --> 00:23:15.718 If all that is detected is a

NOTE Confidence: 0.89113325

00:23:15.718 --> 00:23:17.770 polyp and they're able to

NOTE Confidence: 0.89113325

00:23:17.854 --> 00:23:20.139 completely remove it

NOTE Confidence: 0.89113325

00:23:20.140 --> 00:23:22.110 then the recommendation is just

NOTE Confidence: 0.89113325

00:23:22.110 --> 00:23:23.686 following up your gastroenterologist

NOTE Confidence: 0.89113325

00:23:23.686 --> 00:23:25.930 says in terms of recommended intervals.

NOTE Confidence: 0.89113325

00:23:25.930 --> 00:23:28.246 So if they find multiple polyps,

NOTE Confidence: 0.89113325

00:23:28.250 --> 00:23:31.338 or even just one, it will certainly be,

NOTE Confidence: 0.89113325

00:23:31.340 --> 00:23:34.562 please come back and see us before 10 years

NOTE Confidence: 0.89113325

00:23:34.562 --> 00:23:37.510 but there is no treatment needed.

NOTE Confidence: 0.89113325

00:23:37.510 --> 00:23:39.054 There's no chemotherapy needed,

NOTE Confidence: 0.89113325

00:23:39.054 --> 00:23:40.984 and nothing else is needed.

00:23:43.730 --> 00:23:47.324 Let's move on to

NOTE Confidence: 0.90031546

00:23:47.324 --> 00:23:49.720 the other two scenarios.

NOTE Confidence: 0.90031546

00:23:49.720 --> 00:23:53.308 Let's suppose this is an actual

NOTE Confidence: 0.90031546

00:23:53.308 --> 00:23:55.102 garden variety adenocarcinoma.

NOTE Confidence: 0.90031546

00:23:55.110 --> 00:23:56.910 What happens then?

NOTE Confidence: 0.87233305

00:23:58.270 --> 00:24:01.038 So if we determine that based on the

NOTE Confidence: 0.87233305

00:24:01.038 --> 00:24:03.828 biopsy that it's a colon adenocarcinoma,

NOTE Confidence: 0.87233305

00:24:03.830 --> 00:24:05.800 then patients are usually

NOTE Confidence: 0.87233305

00:24:05.800 --> 00:24:08.200 referred to see an oncology team.

NOTE Confidence: 0.87233305

00:24:08.200 --> 00:24:09.784 That team consists of

NOTE Confidence: 0.87233305

00:24:09.784 --> 00:24:11.368 usually a medical oncologist,

NOTE Confidence: 0.87233305

00:24:11.370 --> 00:24:13.746 like myself, and often a surgeon,

NOTE Confidence: 0.87233305

00:24:13.750 --> 00:24:16.990 and we will embark on this staging work up

NOTE Confidence: 0.87233305

00:24:16.990 --> 00:24:20.110 that I'd mentioned a little bit earlier.

NOTE Confidence: 0.87233305

00:24:20.110 --> 00:24:23.183 So that includes blood work and that

NOTE Confidence: 0.87233305

00:24:23.183 --> 00:24:26.416 will usually also include a CT scan of

NOTE Confidence: 0.87233305

00:24:26.416 --> 00:24:29.550 the chest and the abdomen and the pelvis.

NOTE Confidence: 0.87233305

00:24:29.550 --> 00:24:31.340 To determine extent of disease,

NOTE Confidence: 0.87233305

00:24:31.340 --> 00:24:32.056 meaning, where

NOTE Confidence: 0.87233305

00:24:32.056 --> 00:24:33.846 has the cancer gone?

NOTE Confidence: 0.87233305

00:24:33.850 --> 00:24:36.349 Is it localized just in the colon?

NOTE Confidence: 0.87233305

00:24:36.350 --> 00:24:38.569 Has it spread to nearby lymph nodes

NOTE Confidence: 0.87233305

00:24:38.569 --> 00:24:40.649 or has it spread further,

NOTE Confidence: 0.87233305

00:24:40.650 --> 00:24:43.506 perhaps to the liver or to the lungs?

NOTE Confidence: 0.87176913

00:24:44.920 --> 00:24:47.020 And so, let's say it

NOTE Confidence: 0.87176913

00:24:47.020 --> 00:24:48.700 hasn't spread anywhere then what?

NOTE Confidence: 0.87176913

00:24:48.700 --> 00:24:51.493 Then we will often have

NOTE Confidence: 0.87176913

00:24:51.493 --> 00:24:53.320 a multidisciplinary team meeting.

NOTE Confidence: 0.87176913

00:24:53.320 --> 00:24:56.680 We do this for many of our cancers.

NOTE Confidence: 0.87176913

00:24:56.680 --> 00:24:58.780 It's called a tumor board.

NOTE Confidence: 0.87176913

00:24:58.780 --> 00:25:01.398 In fact, we have our GI cancer

NOTE Confidence: 0.87176913

00:25:01.398 --> 00:25:03.400 tumor board this afternoon,

NOTE Confidence: 0.87176913

00:25:03.400 --> 00:25:06.120 and the tumor board is a place where

NOTE Confidence: 0.87176913

00:25:06.120 --> 00:25:08.440 there are multiple specialists,

NOTE Confidence: 0.87176913

00:25:08.440 --> 00:25:09.280 medical oncologists,

NOTE Confidence: 0.87176913

00:25:09.280 --> 00:25:10.540 surgeons, pathologists, radiologists,

NOTE Confidence: 0.87176913

00:25:10.540 --> 00:25:13.078 a whole group of doctors that

NOTE Confidence: 0.87176913

00:25:13.078 --> 00:25:15.250 will help determine the next

NOTE Confidence: 0.87176913

00:25:15.250 --> 00:25:17.854 best plan for someone who has a

NOTE Confidence: 0.87176913

00:25:17.854 --> 00:25:19.678 localized colon cancer that often

NOTE Confidence: 0.87176913

00:25:19.678 --> 00:25:21.897 the next step is often a surgery

NOTE Confidence: 0.87176913

00:25:21.897 --> 00:25:24.560 to remove a portion of the colon

NOTE Confidence: 0.87176913

00:25:24.560 --> 00:25:26.460 that contains the cancer plus

NOTE Confidence: 0.87176913

00:25:26.460 --> 00:25:28.360 some additional colon to make

NOTE Confidence: 0.87176913

00:25:28.360 --> 00:25:30.647 sure that we've removed enough and

NOTE Confidence: 0.87176913

00:25:30.647 --> 00:25:33.076 also some lymph nodes to help us

NOTE Confidence: 0.87176913

00:25:33.076 --> 00:25:35.202 determine if the cancer

NOTE Confidence: 0.87176913

00:25:35.202 --> 00:25:37.270 has spread to those lymph nodes.

NOTE Confidence: 0.8579789

00:25:38.360 --> 00:25:40.465 And then is chemotherapy or

NOTE Confidence: 0.8579789

00:25:40.465 --> 00:25:42.570 radiation in their future as well?

NOTE Confidence: 0.8579789

00:25:42.570 --> 00:25:44.675 That depends on

NOTE Confidence: 0.8579789

00:25:44.675 --> 00:25:46.780 the stage of the tumor.

NOTE Confidence: 0.8579789

00:25:46.780 --> 00:25:49.306 So now that the patient

NOTE Confidence: 0.8579789

00:25:49.310 --> 00:25:51.030 has had their surgery,

NOTE Confidence: 0.8579789

00:25:51.030 --> 00:25:53.610 we are able to accurately determine

NOTE Confidence: 0.8579789

00:25:53.692 --> 00:25:56.900 what stage they have in this stage is

NOTE Confidence: 0.8579789

00:25:56.900 --> 00:25:59.408 determined based on three key features,

NOTE Confidence: 0.8579789

00:25:59.410 --> 00:26:01.936 and that's called the TNM staging.

NOTE Confidence: 0.8579789

00:26:01.940 --> 00:26:04.768 which stands for tumor (T), nodes (N), and metastases (M).

NOTE Confidence: 0.8579789

00:26:04.768 --> 00:26:07.841 And the T stage generally refers to

NOTE Confidence: 0.8579789

00:26:07.841 --> 00:26:11.300 ia combination of the size and then

NOTE Confidence: 0.8579789

00:26:11.300 --> 00:26:14.244 how deep in the lining of the colon

NOTE Confidence: 0.8579789

00:26:14.244 --> 00:26:16.986 that tumor has spread, the N stage

NOTE Confidence: 0.8579789

00:26:16.986 --> 00:26:19.793 refers to the number of lymph nodes

NOTE Confidence: 0.8579789

00:26:19.793 --> 00:26:22.193 involved and the M stage refers

NOTE Confidence: 0.8579789

00:26:22.193 --> 00:26:24.170 to has the cancer metastasized

NOTE Confidence: 0.8579789

00:26:24.170 --> 00:26:26.510 or spread to a distant location,

NOTE Confidence: 0.8579789

00:26:26.510 --> 00:26:28.850 like the liver or the lungs,

NOTE Confidence: 0.8579789

00:26:28.850 --> 00:26:30.800 and so our pathologists help

NOTE Confidence: 0.8579789

00:26:30.800 --> 00:26:32.360 us with that.

NOTE Confidence: 0.8579789

00:26:32.360 --> 00:26:35.090 The CT scan itself also helps us,

NOTE Confidence: 0.8579789

00:26:35.090 --> 00:26:37.547 and so for someone with a colon

NOTE Confidence: 0.8579789

00:26:37.547 --> 00:26:40.160 cancer it's a little bit nuanced,

NOTE Confidence: 0.8579789

00:26:40.160 --> 00:26:42.590 but I would say in general,

NOTE Confidence: 0.8579789

00:26:42.590 --> 00:26:45.416 if someone has a colon cancer

NOTE Confidence: 0.8579789

00:26:45.416 --> 00:26:48.459 that is stage three or greater,

NOTE Confidence: 0.8579789

00:26:48.460 --> 00:26:51.876 that would mean that they have

NOTE Confidence: 0.8579789

00:26:51.880 --> 00:26:53.832 local lymph nodes involved

NOTE Confidence: 0.8579789

00:26:53.832 --> 00:26:56.272 that usually does mean that

NOTE Confidence: 0.8368627

00:26:56.280 --> 00:26:58.460 they need post surgical chemotherapy

NOTE Confidence: 0.8368627

00:26:58.460 --> 00:27:01.925 and so now let's move to the

NOTE Confidence: 0.8368627

00:27:01.925 --> 00:27:03.129 neuroendocrine situation.

NOTE Confidence: 0.8368627

00:27:03.130 --> 00:27:05.142 How are these different?

NOTE Confidence: 0.8368627

00:27:05.142 --> 00:27:08.160 How often do you find metastases

NOTE Confidence: 0.8368627

00:27:08.252 --> 00:27:10.457 at the time of diagnosis?

NOTE Confidence: 0.8368627

00:27:10.460 --> 00:27:12.528 Are these resected surgically?

NOTE Confidence: 0.8368627

00:27:12.528 --> 00:27:15.630 Is there more often medical management?

NOTE Confidence: 0.8368627

00:27:15.630 --> 00:27:18.600 How is your approach similar or

NOTE Confidence: 0.8368627

00:27:18.600 --> 00:27:22.350 different to regular colon cancer?

NOTE Confidence: 0.8368627

00:27:22.350 --> 00:27:24.318 Well, I think that

NOTE Confidence: 0.835318900000001

00:27:24.320 --> 00:27:26.944 the work up for many of these GI

NOTE Confidence: 0.835318900000001

00:27:26.944 --> 00:27:29.463 cancers are the same where we get a

NOTE Confidence: 0.835318900000001

00:27:29.463 --> 00:27:31.757 biopsy and we do this staging work

NOTE Confidence: 0.835318900000001

00:27:31.757 --> 00:27:34.487 up with blood tests and a CT scan.

NOTE Confidence: 0.835318900000001

00:27:34.487 --> 00:27:36.449 And then we meet and

NOTE Confidence: 0.835318900000001

00:27:36.450 --> 00:27:38.400 we have a tumor board discussion

NOTE Confidence: 0.835318900000001

00:27:38.400 --> 00:27:40.719 to come up with the next plan,

NOTE Confidence: 0.835318900000001

00:27:40.720 --> 00:27:42.688 so those are the common principles.

NOTE Confidence: 0.835318900000001

00:27:42.690 --> 00:27:43.749 But you're right,

NOTE Confidence: 0.835318900000001

00:27:43.749 --> 00:27:45.514 the treatment plan and tailoring

NOTE Confidence: 0.835318900000001

00:27:45.514 --> 00:27:47.358 that treatment to the patient often

NOTE Confidence: 0.835318900000001

00:27:47.358 --> 00:27:49.413 differs by cancer and so that is

NOTE Confidence: 0.835318900000001

00:27:49.413 --> 00:27:50.889 true for neuroendocrine tumors.

NOTE Confidence: 0.835318900000001

00:27:50.890 --> 00:27:52.039 Neuroendocrine tumors are

NOTE Confidence: 0.835318900000001

00:27:52.039 --> 00:27:53.954 often much slower growing than

NOTE Confidence: 0.835318900000001

00:27:53.954 --> 00:27:55.410 their adenocarcinoma counterparts,

NOTE Confidence: 0.835318900000001

00:27:55.410 --> 00:27:57.648 and neuroendocrine

NOTE Confidence: 0.835318900000001

00:27:57.648 --> 00:27:59.788 tumors have a very different

NOTE Confidence: 0.835318900000001

00:27:59.788 --> 00:28:01.510 system of classification.

NOTE Confidence: 0.835318900000001

00:28:01.510 --> 00:28:05.434 I won't go into all of those details now,

NOTE Confidence: 0.835318900000001

00:28:05.440 --> 00:28:08.254 but that does help us determine

NOTE Confidence: 0.835318900000001

00:28:08.254 --> 00:28:11.538 what the next best step is and

NOTE Confidence: 0.835318900000001

00:28:11.540 --> 00:28:15.578 we do include things like surgery.

NOTE Confidence: 0.835318900000001

00:28:15.580 --> 00:28:18.064 Sometimes patients will have had the

NOTE Confidence: 0.835318900000001

00:28:18.064 --> 00:28:21.108 cancer spread at the time of diagnosis,

NOTE Confidence: 0.835318900000001

00:28:21.110 --> 00:28:23.230 and if that's the case,

NOTE Confidence: 0.835318900000001

00:28:23.230 --> 00:28:24.580 we have medications,

NOTE Confidence: 0.835318900000001

00:28:24.580 --> 00:28:25.930 including some chemotherapies

NOTE Confidence: 0.835318900000001

00:28:25.930 --> 00:28:28.330 that help us slow down the

NOTE Confidence: 0.865631

00:28:28.330 --> 00:28:31.930 growth of that cancer, and so the

NOTE Confidence: 0.865631

00:28:31.930 --> 00:28:34.076 chemotherapies though are different than

NOTE Confidence: 0.865631

00:28:34.076 --> 00:28:37.260 what you would get for a regular colon

NOTE Confidence: 0.865631

00:28:37.260 --> 00:28:38.956 cancer?

NOTE Confidence: 0.865631

00:28:38.956 --> 00:28:41.080 This is an important

NOTE Confidence: 0.865631

00:28:41.080 --> 00:28:43.630 take home for every cancer type.

NOTE Confidence: 0.865631

00:28:43.630 --> 00:28:46.100 The chemotherapy regimen

NOTE Confidence: 0.865631

00:28:46.100 --> 00:28:48.788 is often different

NOTE Confidence: 0.865631

00:28:48.788 --> 00:28:50.819 depending on that cancer type.

NOTE Confidence: 0.865631

00:28:50.820 --> 00:28:52.388 There's sometimes some overlap,

NOTE Confidence: 0.865631

00:28:52.390 --> 00:28:54.376 but for the most part,

NOTE Confidence: 0.865631

00:28:54.376 --> 00:28:57.197 the way we determine if a chemotherapy

NOTE Confidence: 0.865631

00:28:57.197 --> 00:28:59.552 regimen works for a given cancer

NOTE Confidence: 0.865631

00:28:59.552 --> 00:29:01.427 is through a clinical trial.

NOTE Confidence: 0.865631

00:29:01.430 --> 00:29:04.020 Clinical trials are ways we test new

NOTE Confidence: 0.865631

00:29:04.020 --> 00:29:05.956 medicines or new combinations of

NOTE Confidence: 0.865631

00:29:05.956 --> 00:29:08.218 medicines and prove that it works

NOTE Confidence: 0.865631

00:29:08.218 --> 00:29:10.860 in a very specific cancer type.

NOTE Confidence: 0.865631

00:29:10.860 --> 00:29:11.250 Doctor Pamela Kunz

NOTE Confidence: 0.8612261

00:29:11.250 --> 00:29:14.482 is the director of GI Medical

NOTE Confidence: 0.8612261

00:29:14.482 --> 00:29:17.496 Oncology at the Yale School of Medicine.

NOTE Confidence: 0.8612261

00:29:17.500 --> 00:29:19.056 If you have questions,

NOTE Confidence: 0.8612261

00:29:19.056 --> 00:29:20.612 the address is canceranswers@yale.edu

NOTE Confidence: 0.8612261

00:29:20.612 --> 00:29:22.760 and past editions of the program

NOTE Confidence: 0.8612261

00:29:22.760 --> 00:29:24.722 are available in audio and written

NOTE Confidence: 0.8612261

00:29:24.783 --> 00:29:26.418 form at yalecancercenter.org.

NOTE Confidence: 0.8612261

00:29:26.420 --> 00:29:29.260 We hope you'll join us next week to

NOTE Confidence: 0.8612261

00:29:29.260 --> 00:29:32.026 learn more about the fight against

NOTE Confidence: 0.8612261

00:29:32.026 --> 00:29:34.990 cancer here on Connecticut Public Radio.