00:00:00.000 --> 00:00:02.830 Support for Yale Cancer Answers

NOTE Confidence: 0.87064

00:00:02.830 --> 00:00:05.094 comes from AstraZeneca, dedicated

NOTE Confidence: 0.87064

00:00:05.094 --> 00:00:08.475 to providing innovative treatment

NOTE Confidence: 0.87064

00:00:08.475 --> 00:00:13.025 options for people living with

NOTE Confidence: 0.87064

00:00:13.025 --> 00:00:13.935 cancer. Learn more at astrazeneca-us.com.

NOTE Confidence: 0.87064

00:00:13.940 --> 00:00:16.130 Welcome to Yale Cancer Answers with

NOTE Confidence: 0.87064

00:00:16.130 --> 00:00:18.529 your host doctor Anees Chagpar.

NOTE Confidence: 0.87064

00:00:18.530 --> 00:00:20.410 Yale Cancer Answers features the

NOTE Confidence: 0.87064

00:00:20.410 --> 00:00:22.727 latest information on cancer care by

NOTE Confidence: 0.87064

00:00:22.727 --> 00:00:24.211 welcoming oncologists and specialists

NOTE Confidence: 0.87064

00:00:24.211 --> 00:00:26.696 who are on the forefront of the

NOTE Confidence: 0.87064

00:00:26.696 --> 00:00:28.406 battle to fight cancer. This week

NOTE Confidence: 0.87064

00:00:28.410 --> 00:00:30.175 it's a conversation about pancreatic

NOTE Confidence: 0.87064

00:00:30.175 --> 00:00:31.940 cancer with Doctor Jeremy Kortmansky.

NOTE Confidence: 0.87064

00:00:31.940 --> 00:00:33.056 Doctor Kortmansky

NOTE Confidence: 0.87064

00:00:33.056 --> 00:00:34.916 is an associate professor

NOTE Confidence: 0.87064

00:00:34.916 --> 00:00:36.729 of clinical medicine in medical

NOTE Confidence: 0.87064

00:00:36.729 --> 00:00:38.751 oncology at the Yale School of

NOTE Confidence: 0.87064

00:00:38.751 --> 00:00:40.838 Medicine where Doctor Chagpar is

NOTE Confidence: 0.87064

00:00:40.838 --> 00:00:42.523 a professor of surgical oncology.

NOTE Confidence: 0.8666635

00:00:43.670 --> 00:00:45.138 So Jeremy,

NOTE Confidence: 0.8666635

00:00:45.138 --> 00:00:48.031 I think we all hear about pancreatic

NOTE Confidence: 0.8666635

00:00:48.031 --> 00:00:51.490 cancer when it affects celebrities, right?

NOTE Confidence: 0.8666635

00:00:51.490 --> 00:00:54.290 So whether it was Steve Jobs or

NOTE Confidence: 0.8666635

00:00:54.290 --> 00:00:57.850 other stars we hear

NOTE Confidence: 0.8666635

00:00:57.850 --> 00:00:59.449 about pancreatic cancer,

NOTE Confidence: 0.8666635

00:00:59.450 --> 00:01:02.684 once in a blue moon.

NOTE Confidence: 0.8666635

00:01:02.690 --> 00:01:05.938 It doesn't seem to be a terribly

NOTE Confidence: 0.8666635

00:01:05.938 --> 00:01:07.566 common cancer.

NOTE Confidence: 0.8666635

00:01:07.566 --> 00:01:10.002 Can you tell us a little bit

NOTE Confidence: 0.8666635

00:01:10.002 --> 00:01:12.292 more about how frequently

NOTE Confidence: 0.8666635

00:01:12.292 --> 00:01:14.760 pancreatic cancer is diagnosed?

NOTE Confidence: 0.8666635

00:01:14.760 --> 00:01:18.230 How many people get it?

NOTE Confidence: 0.8666635

00:01:18.230 --> 00:01:20.595 And who really are the

NOTE Confidence: 0.8666635

00:01:20.595 --> 00:01:22.960 people that it most affects?

NOTE Confidence: 0.8666635

00:01:22.960 --> 00:01:24.848 Yes,

NOTE Confidence: 0.8666635

00:01:24.850 --> 00:01:25.800 pancreatic cancer

NOTE Confidence: 0.87507707

00:01:25.800 --> 00:01:28.205 is actually becoming an increasingly

NOTE Confidence: 0.87507707

00:01:28.205 --> 00:01:31.000 more common cancer that we see.

NOTE Confidence: 0.87507707

00:01:31.000 --> 00:01:33.580 It's now the 5th leading cause

NOTE Confidence: 0.87507707

00:01:33.580 --> 00:01:36.679 of cancer in the United States,

NOTE Confidence: 0.87507707

00:01:36.680 --> 00:01:39.984 at about 60,000 new cases a year.

NOTE Confidence: 0.87507707

00:01:39.990 --> 00:01:43.294 So we're not only seeing increasing numbers,

NOTE Confidence: 0.87507707

00:01:43.300 --> 00:01:46.510 but also really moving up the

NOTE Confidence: 0.87507707

00:01:46.510 --> 00:01:49.910 rank of how often we see it.

NOTE Confidence: 0.87507707

00:01:49.910 --> 00:01:52.913 And you know it's interesting you brought

NOTE Confidence: 0.87507707

00:01:52.913 --> 00:01:56.347 up Steve Jobs and and other celebrities.

NOTE Confidence: 0.87507707

00:01:56.350 --> 00:02:00.030 Most recently, I think Alex Trebek is one

NOTE Confidence: 0.87507707

00:02:00.030 --> 00:02:02.520 and it's important to make distinctions

NOTE Confidence: 0.87507707

00:02:02.520 --> 00:02:06.009 when we talk about pancreatic cancer,

NOTE Confidence: 0.87507707

00:02:06.010 --> 00:02:08.310 there's two main types there

NOTE Confidence: 0.87507707

00:02:08.310 --> 00:02:09.690 is pancreatic adenocarcinoma,

NOTE Confidence: 0.87507707

00:02:09.690 --> 00:02:14.290 which is by far the more common one that is

NOTE Confidence: 0.87507707

00:02:14.290 --> 00:02:18.146 the disease that we're talking about

NOTE Confidence: 0.87507707

00:02:18.146 --> 00:02:22.356 when we think about 60,000 cases per year.

NOTE Confidence: 0.87507707

00:02:22.360 --> 00:02:24.410 And then there are pancreatic

NOTE Confidence: 0.87507707

00:02:24.410 --> 00:02:25.230 neuroendocrine tumors,

NOTE Confidence: 0.87507707

00:02:25.230 --> 00:02:27.690 which are a lot less common.

NOTE Confidence: 0.87507707

00:02:27.690 --> 00:02:30.483 They are only seen in a few

NOTE Confidence: 0.87507707

00:02:30.483 --> 00:02:32.200 thousand patients a year,

NOTE Confidence: 0.87507707

00:02:32.200 --> 00:02:34.462 and it's important

NOTE Confidence: 0.87507707

00:02:34.462 --> 00:02:36.448 to make the distinction because

NOTE Confidence: 0.87507707

00:02:36.448 --> 00:02:38.488 they behave very differently and

NOTE Confidence: 0.87507707

00:02:38.488 --> 00:02:40.810 their treatments are very different.

NOTE Confidence: 0.8785013

00:02:42.190 --> 00:02:44.095 So, let's start with

NOTE Confidence: 0.8785013

00:02:44.095 --> 00:02:44.857 pancreatic adenocarcinoma,

NOTE Confidence: 0.8785013

00:02:44.860 --> 00:02:47.158 because I think that most people,

NOTE Confidence: 0.8785013

00:02:47.160 --> 00:02:49.566 when they use the term generically

NOTE Confidence: 0.8785013

00:02:49.566 --> 00:02:51.572 pancreatic cancer that tends to

NOTE Confidence: 0.8785013

00:02:51.572 --> 00:02:53.267 be what they're referring to.

NOTE Confidence: 0.8785013

00:02:53.270 --> 00:02:55.508 Although your point is well taken

NOTE Confidence: 0.8785013

00:02:55.508 --> 00:02:57.470 with regards to neuroendocrine tumors,

NOTE Confidence: 0.8785013

00:02:57.470 --> 00:03:00.182 but tell us a little bit more

NOTE Confidence: 0.8785013

00:03:00.182 --> 00:03:02.438 about who gets these cancers.

NOTE Confidence: 0.8785013

00:03:02.440 --> 00:03:05.107 I mean, what are the risk factors?

NOTE Confidence: 0.889703

00:03:06.080 --> 00:03:09.428 So I think like other cancers,

NOTE Confidence: 0.889703

00:03:09.430 --> 00:03:12.790 smoking is a common risk factor.

NOTE Confidence: 0.889703

00:03:12.790 --> 00:03:17.334 It can be related to problems that cause

NOTE Confidence: 0.889703

00:03:17.334 --> 00:03:20.726 chronic inflammation of the pancreas so

NOTE Confidence: 0.889703

00:03:20.726 --> 00:03:23.966 alcoholism can lead to pancreas cancer.

NOTE Confidence: 0.889703

00:03:23.970 --> 00:03:26.570 Chronic gallstone disease can,

NOTE Confidence: 0.889703

00:03:26.570 --> 00:03:29.820 although that's much less common.

NOTE Confidence: 0.889703

00:03:29.820 --> 00:03:34.148 Obesity can be a risk factor as well.

NOTE Confidence: 0.889703

00:03:34.150 --> 00:03:36.754 And then there is some question

NOTE Confidence: 0.889703

00:03:36.754 --> 00:03:39.001 of the relationship with diabetes

NOTE Confidence: 0.889703

00:03:39.001 --> 00:03:41.557 and whether diabetes could be a

NOTE Confidence: 0.889703

00:03:41.557 --> 00:03:44.485 risk factor or whether the disease

NOTE Confidence: 0.889703

00:03:44.485 --> 00:03:46.569 itself causes the diabetes.

NOTE Confidence: 0.889703

00:03:46.570 --> 00:03:48.410 And that's something that's

NOTE Confidence: 0.889703

00:03:48.410 --> 00:03:50.250 still being worked out.

NOTE Confidence: 0.889703

00:03:50.250 --> 00:03:53.194 And then there is a smaller percentage

NOTE Confidence: 0.889703

00:03:53.194 --> 00:03:56.229 of patients where it's hereditary cancer.

NOTE Confidence: 0.889703

00:03:56.230 --> 00:03:58.555 There are some genetic abnormalities

NOTE Confidence: 0.889703

00:03:58.555 --> 00:04:02.053 that we know of that are associated

NOTE Confidence: 0.889703

00:04:02.053 --> 00:04:04.229 with pancreas cancer and

NOTE Confidence: 0.889703

00:04:04.230 --> 00:04:07.002 one that is of recent importance

NOTE Confidence: 0.889703

00:04:07.002 --> 00:04:10.208 is its relation to the BRCA gene,

NOTE Confidence: 0.889703

00:04:10.210 --> 00:04:12.898 which is a gene that we most

NOTE Confidence: 0.889703

00:04:12.898 --> 00:04:15.854 often think about with breast and

NOTE Confidence: 0.889703

00:04:15.854 --> 00:04:17.567 ovarian cancer syndromes,

NOTE Confidence: 0.889703

00:04:17.570 --> 00:04:20.330 but is also related to pancreas

NOTE Confidence: 0.889703

00:04:20.330 --> 00:04:21.710 cancer as well,

NOTE Confidence: 0.889703

00:04:21.710 --> 00:04:24.470 and that has had some recent

NOTE Confidence: 0.889703

00:04:24.470 --> 00:04:25.850 implications on treatment.

NOTE Confidence: 0.8909138

00:04:27.580 --> 00:04:30.436 So when we think

NOTE Confidence: 0.8909138

00:04:30.436 --> 00:04:32.460 about these risk factors,

NOTE Confidence: 0.8909138

00:04:32.460 --> 00:04:35.428 I'm thinking about a very good friend

NOTE Confidence: 0.8909138

00:04:35.428 --> 00:04:39.141 of mine who actually was diagnosed with

NOTE Confidence: 0.8909138

00:04:39.141 --> 00:04:42.026 pancreatic cancer just over Thanksgiving.

NOTE Confidence: 0.8909138

00:04:42.030 --> 00:04:45.350 And who didn't fit any of those categories.

NOTE Confidence: 0.8909138

00:04:45.350 --> 00:04:47.430 She had no family history.

NOTE Confidence: 0.8909138

00:04:47.430 --> 00:04:49.920 She is skinny, like a rail,

NOTE Confidence: 0.8909138

00:04:49.920 --> 00:04:51.580 she doesn't have diabetes,

NOTE Confidence: 0.8909138

00:04:51.580 --> 00:04:53.652 doesn't drink, doesn't have gallstones.

NOTE Confidence: 0.8909138

00:04:53.652 --> 00:04:56.370 You know, in those people where

NOTE Confidence: 0.8909138

00:04:56.370 --> 00:04:59.112 they don't seem to have any

NOTE Confidence: 0.8909138

00:04:59.112 --> 00:05:01.814 of the common risk factors that you

NOTE Confidence: 0.8909138

00:05:01.814 --> 00:05:04.438 think about for pancreatic cancer,

NOTE Confidence: 0.8909138

00:05:04.440 --> 00:05:06.780 does that tell us anything about

NOTE Confidence: 0.8909138

00:05:06.780 --> 00:05:09.010 the biology of their disease?

NOTE Confidence: 0.8909138

00:05:09.010 --> 00:05:11.728 I mean, are there other things

NOTE Confidence: 0.8909138

00:05:11.728 --> 00:05:13.920 that we can think of

NOTE Confidence: 0.8909138

00:05:13.920 --> 00:05:16.536 in terms of their risk factors,

NOTE Confidence: 0.8909138

00:05:16.540 --> 00:05:18.108 and does that

NOTE Confidence: 0.8909138

00:05:18.108 --> 00:05:20.460 have anything to

NOTE Confidence: 0.8909138

00:05:20.549 --> 00:05:22.637 do with their prognosis?

NOTE Confidence: 0.8620158

00:05:23.990 --> 00:05:26.165 I think that those are

NOTE Confidence: 0.8620158

00:05:26.165 --> 00:05:27.905 all very good questions.

NOTE Confidence: 0.8620158

00:05:27.910 --> 00:05:30.220 There are risk

NOTE Confidence: 0.8620158

00:05:30.220 --> 00:05:32.767 factors that we can identify and

NOTE Confidence: 0.8620158

00:05:32.767 --> 00:05:35.527 then there are patients who get

NOTE Confidence: 0.8620158

00:05:35.527 --> 00:05:38.377 cancer for really no good reason.

NOTE Confidence: 0.8620158

00:05:38.380 --> 00:05:40.879 And those are people that

NOTE Confidence: 0.8620158

00:05:40.879 --> 00:05:44.006 we are still trying to maybe figure

NOTE Confidence: 0.8620158

00:05:44.006 --> 00:05:46.476 out whether there was something

NOTE Confidence: 0.8620158

00:05:46.476 --> 00:05:48.813 hereditary or environmental or some

NOTE Confidence: 0.8620158

00:05:48.813 --> 00:05:51.459 other factor that we just haven't

NOTE Confidence: 0.8620158

00:05:51.460 --> 00:05:54.736 identified yet that played a role.

NOTE Confidence: 0.8620158

00:05:54.740 --> 00:05:59.328 When it comes to pancreas cancer,

NOTE Confidence: 0.8620158

00:05:59.328 --> 00:06:05.180 the implications of how you got it,

NOTE Confidence: 0.8620158

00:06:05.180 --> 00:06:06.960 except in in certain circumstances,

NOTE Confidence: 0.8620158

00:06:06.960 --> 00:06:08.740 like the BRCA gene but,

NOTE Confidence: 0.8620158

00:06:08.740 --> 00:06:11.302 otherwise how you got it doesn't

NOTE Confidence: 0.8620158

00:06:11.302 --> 00:06:14.633 play as much of a role into how we

NOTE Confidence: 0.8620158

00:06:14.633 --> 00:06:16.791 might think about treating it or

NOTE Confidence: 0.8620158

00:06:16.791 --> 00:06:19.059 how we might expect it to behave.

NOTE Confidence: 0.90684855

00:06:20.790 --> 00:06:24.588 So the the other question is,

00:06:27.860 --> 00:06:30.724 when you talk about it

NOTE Confidence: 0.90684855

00:06:30.724 --> 00:06:33.262 being the fifth most common cancer

NOTE Confidence: 0.90684855

00:06:33.262 --> 00:06:36.450 and we think about the list right?

NOTE Confidence: 0.90684855

00:06:36.450 --> 00:06:38.086 Breast cancer, prostate cancer,

NOTE Confidence: 0.90684855

00:06:38.086 --> 00:06:40.540 colon cancer for all of these,

NOTE Confidence: 0.90684855

00:06:40.540 --> 00:06:42.636 more commonly diagnosed cancers,

NOTE Confidence: 0.90684855

00:06:42.636 --> 00:06:45.256 there's a screening test we

NOTE Confidence: 0.90684855

00:06:45.256 --> 00:06:47.907 can find these cancers early.

NOTE Confidence: 0.90684855

00:06:47.910 --> 00:06:49.420 Is there a screening test

NOTE Confidence: 0.90684855

00:06:49.420 --> 00:06:50.326 for pancreatic cancer?

NOTE Confidence: 0.90814656

00:06:51.820 --> 00:06:54.742 There isn't a good or routine

NOTE Confidence: 0.90814656

00:06:54.742 --> 00:06:57.380 screening test for pancreas cancer.

NOTE Confidence: 0.90814656

00:06:57.380 --> 00:07:00.972 I think that we know that there are

NOTE Confidence: 0.90814656

00:07:00.972 --> 00:07:04.063 some patients that have been discovered

NOTE Confidence: 0.90814656

00:07:04.063 --> 00:07:07.201 to have either a family history

NOTE Confidence: 0.90814656

00:07:07.296 --> 00:07:10.434 or patients that have been found

NOTE Confidence: 0.90814656

00:07:10.434 --> 00:07:15.110 to have pancreatic cysts on their

NOTE Confidence: 0.90814656

00:07:15.110 --> 00:07:18.260 imaging that may have been obtained

NOTE Confidence: 0.90814656

00:07:18.260 --> 00:07:21.578 for some other reason that we can

NOTE Confidence: 0.90814656

00:07:21.578 --> 00:07:24.386 follow and certainly here at Yale,

NOTE Confidence: 0.90814656

00:07:24.390 --> 00:07:26.305 we have an excellent screening

NOTE Confidence: 0.90814656

00:07:26.305 --> 00:07:28.841 program where we can refer patients

NOTE Confidence: 0.90814656

00:07:28.841 --> 00:07:31.025 to our gastroenterologists who

NOTE Confidence: 0.90814656

00:07:31.025 --> 00:07:33.209 can perform screening procedures,

NOTE Confidence: 0.90814656

00:07:33.210 --> 00:07:35.400 but that's really identifying those

NOTE Confidence: 0.90814656

00:07:35.400 --> 00:07:38.552 who are already at a heightened risk

NOTE Confidence: 0.90814656

00:07:38.552 --> 00:07:41.618 and not for the whole population like

NOTE Confidence: 0.90814656

00:07:41.618 --> 00:07:44.298 we think about with colonoscopies

NOTE Confidence: 0.90814656

00:07:44.298 --> 00:07:46.993 for colon cancer or mammograms

NOTE Confidence: 0.90814656

00:07:47.000 --> 00:07:48.503 for breast cancer,

NOTE Confidence: 0.90814656

00:07:48.503 --> 00:07:51.509 it's really an already pre determined

NOTE Confidence: 0.90814656

00:07:51.509 --> 00:07:53.665 population because the screening

NOTE Confidence: 0.90814656

00:07:53.665 --> 00:07:56.809 includes much more advanced or invasive

NOTE Confidence: 0.90814656

00:07:56.809 --> 00:08:00.149 testing like MRI's or endoscopic ultrasound.

NOTE Confidence: 0.90814656

00:08:00.150 --> 00:08:03.468 So it's a much more complex

NOTE Confidence: 0.90814656

00:08:03.468 --> 00:08:06.460 way to follow patients.

NOTE Confidence: 0.8845792

00:08:06.460 --> 00:08:09.090 And so without a screening test for

NOTE Confidence: 0.8845792

00:08:09.090 --> 00:08:11.194 asymptomatic people who otherwise,

NOTE Confidence: 0.8845792

00:08:11.200 --> 00:08:13.825 haven't had any

NOTE Confidence: 0.8845792

00:08:13.825 --> 00:08:15.925 abnormality that's been found

NOTE Confidence: 0.8845792

00:08:15.930 --> 00:08:17.646 incidentally, what are

NOTE Confidence: 0.8845792

00:08:17.646 --> 00:08:20.765 the ways in

NOTE Confidence: 0.8845792

00:08:20.765 --> 00:08:23.135 which they present?

NOTE Confidence: 0.8845792

00:08:23.135 --> 00:08:25.480 How is it that somebody

NOTE Confidence: 0.8845792

00:08:25.549 --> 00:08:28.198 cues into the fact that, Oh my gosh,

NOTE Confidence: 0.8845792

00:08:28.198 --> 00:08:30.214 this could be a pancreatic cancer.

NOTE Confidence: 0.8845792

00:08:30.220 --> 00:08:33.244 What are the symptoms and signs to look for?

NOTE Confidence: 0.8632866

00:08:34.600 --> 00:08:38.080 I again think this is an area

NOTE Confidence: 0.8632866

00:08:38.080 --> 00:08:40.379 that becomes challenging that

NOTE Confidence: 0.8632866

00:08:40.379 --> 00:08:43.699 the symptoms that people have,

NOTE Confidence: 0.8632866

00:08:43.700 --> 00:08:47.438 at least initially can often be vague.

NOTE Confidence: 0.8632866

00:08:47.440 --> 00:08:50.115 There can be some discomfort

NOTE Confidence: 0.8632866

00:08:50.115 --> 00:08:52.792 in the abdomen, with eating,

NOTE Confidence: 0.8632866

00:08:52.792 --> 00:08:54.400 sometimes increased belching,

NOTE Confidence: 0.8632866

00:08:54.400 --> 00:08:58.138 or increased gas may be a symptom.

NOTE Confidence: 0.8632866

00:08:58.140 --> 00:09:00.755 Things that are very easily

NOTE Confidence: 0.8632866

00:09:00.755 --> 00:09:03.370 attributable to something else until

NOTE Confidence: 0.8632866

00:09:03.461 --> 00:09:06.486 the symptoms become more significant.

NOTE Confidence: 0.8632866

00:09:06.490 --> 00:09:08.466 Sometimes people present without

NOTE Confidence: 0.8632866

00:09:08.466 --> 00:09:10.936 any symptoms but develop jaundice,

NOTE Confidence: 0.8632866

00:09:10.936 --> 00:09:13.478 they notice yellowing

NOTE Confidence: 0.8632866

00:09:13.478 --> 00:09:15.880 of their eyes or their skin,

NOTE Confidence: 0.8632866

00:09:15.880 --> 00:09:18.110 which certainly tips them off,

NOTE Confidence: 0.8632866

00:09:18.110 --> 00:09:20.200 their families that there's something

NOTE Confidence: 0.8632866

00:09:20.200 --> 00:09:23.030 going on that requires further evaluation.

NOTE Confidence: 0.8632866

00:09:23.030 --> 00:09:24.818 But because these symptoms

NOTE Confidence: 0.8632866

00:09:24.818 --> 00:09:26.606 can sometimes be vague,

NOTE Confidence: 0.8632866

00:09:26.610 --> 00:09:29.557 they can also be attributed to the

NOTE Confidence: 0.8632866

00:09:29.557 --> 00:09:32.753 much more common problems that we see,

NOTE Confidence: 0.8632866

00:09:32.753 --> 00:09:35.525 irritable bowel or reflux which can

NOTE Confidence: 0.8632866

00:09:35.614 --> 00:09:38.666 lead to delays in making a diagnosis.

NOTE Confidence: 0.885242

00:09:40.130 --> 00:09:42.517 And so I mean that really gets

NOTE Confidence: 0.885242

00:09:42.517 --> 00:09:45.181 to the crux of the issue, right?

NOTE Confidence: 0.885242

00:09:45.181 --> 00:09:49.189 Is that without screening and with

NOTE Confidence: 0.885242

00:09:49.190 --> 00:09:52.347 the symptoms that are incredibly vague,

NOTE Confidence: 0.885242

00:09:52.350 --> 00:09:54.888 I would surmise that the vast

NOTE Confidence: 0.885242

00:09:54.888 --> 00:09:57.153 majority of patients who present

NOTE Confidence: 0.885242

00:09:57.153 --> 00:10:00.105 with pancreatic cancer present at a

NOTE Confidence: 0.885242

00:10:00.110 --> 00:10:02.329 more advanced stage so talk

NOTE Confidence: 0.885242

00:10:02.329 --> 00:10:04.814 about the stage

NOTE Confidence: 0.885242

00:10:04.814 --> 00:10:07.470 distribution that you see in terms of

NOTE Confidence: 0.885242

00:10:07.470 --> 00:10:09.858 the proportion of patients who present

NOTE Confidence: 0.885242

00:10:09.858 --> 00:10:12.584 with early versus late stage disease and

NOTE Confidence: 0.885242

00:10:12.584 --> 00:10:15.080 what the implications are in terms of

NOTE Confidence: 0.8866992

00:10:15.080 --> 00:10:17.300 prognosis.

NOTE Confidence: 0.8866992

00:10:17.300 --> 00:10:19.561 People often think

NOTE Confidence: 0.8866992

00:10:19.561 --> 00:10:21.703 about staging for cancer with the

NOTE Confidence: 0.8866992

00:10:21.703 --> 00:10:24.200 usual stage one, 2, three or four.

NOTE Confidence: 0.8866992

00:10:24.200 --> 00:10:26.390 When I think about pancreas cancer,

NOTE Confidence: 0.8866992

00:10:26.390 --> 00:10:28.700 I really try to think about

NOTE Confidence: 0.8866992

00:10:28.700 --> 00:10:30.700 it in terms of its

NOTE Confidence: 0.8866992

00:10:30.700 --> 00:10:33.004 clinical presentations and so there are

NOTE Confidence: 0.8866992

00:10:33.004 --> 00:10:35.050 patients that have resectable disease,

NOTE Confidence: 0.8866992

00:10:35.050 --> 00:10:38.938 meaning that a surgeon could go in there at

NOTE Confidence: 0.8866992

00:10:38.938 --> 00:10:42.866 the time of diagnosis and take it out.

NOTE Confidence: 0.8866992

00:10:42.870 --> 00:10:45.252 There are patients that have locally

NOTE Confidence: 0.8866992

00:10:45.252 --> 00:10:46.840 advanced but unresectable disease,

NOTE Confidence: 0.8866992

00:10:46.840 --> 00:10:48.795 meaning that it hasn't spread

NOTE Confidence: 0.8866992

00:10:48.795 --> 00:10:51.210 to other parts of the body,

NOTE Confidence: 0.8866992

00:10:51.210 --> 00:10:53.989 but it's involving the nearby blood vessels,

NOTE Confidence: 0.8866992

00:10:53.990 --> 00:10:57.364 and you can't safely take it out.

NOTE Confidence: 0.8866992

00:10:57.370 --> 00:10:59.775 And then patients with metastatic

NOTE Confidence: 0.8866992

00:10:59.775 --> 00:11:02.180 disease where it's spread to

NOTE Confidence: 0.8866992

00:11:02.260 --> 00:11:04.200 other places in the body.

NOTE Confidence: 0.8866992

00:11:04.200 --> 00:11:07.832 And so the the number or the percentage

NOTE Confidence: 0.8866992

00:11:07.832 --> 00:11:10.686 of patients that can have surgery

NOTE Confidence: 0.8866992

00:11:10.686 --> 00:11:13.464 at the time of their diagnosis

NOTE Confidence: 0.8866992

00:11:13.557 --> 00:11:16.315 is really only about 15 to 20%.

NOTE Confidence: 0.8866992

00:11:16.320 --> 00:11:18.560 It's a relatively low number

NOTE Confidence: 0.8866992

00:11:18.560 --> 00:11:21.668 and the other 80% sort of evenly

NOTE Confidence: 0.8866992

00:11:21.668 --> 00:11:23.412 distributed are either locally

NOTE Confidence: 0.8866992

00:11:23.412 --> 00:11:25.300 advanced or metastatic disease

NOTE Confidence: 0.8866992

00:11:25.300 --> 00:11:29.297 at the time of their diagnosis.

00:11:29.890 --> 00:11:34.066 And so it was with my my friend who

NOTE Confidence: 0.87700075

00:11:34.066 --> 00:11:38.708 was diagnosed with a locally advanced,

NOTE Confidence: 0.87700075

00:11:38.710 --> 00:11:40.052 unresectable pancreatic

NOTE Confidence: 0.87700075

00:11:40.052 --> 00:11:43.407 cancer that was encasing

NOTE Confidence: 0.87700075

00:11:43.410 --> 00:11:45.102 important blood vessels,

NOTE Confidence: 0.87700075

00:11:45.102 --> 00:11:47.358 so she certainly wasn't

NOTE Confidence: 0.87700075

00:11:47.358 --> 00:11:50.079 a candidate for surgery at

NOTE Confidence: 0.87700075

00:11:50.079 --> 00:11:52.444 the time of her presentation,

NOTE Confidence: 0.87700075

00:11:52.450 --> 00:11:56.530 so it sounds like if patients are

NOTE Confidence: 0.87700075

00:11:56.530 --> 00:11:59.284 fortunate enough to be resectable

NOTE Confidence: 0.87700075

00:11:59.284 --> 00:12:02.554 at the time of their presentation,

NOTE Confidence: 0.87700075

00:12:02.560 --> 00:12:04.688 would surgery be the

NOTE Confidence: 0.87700075

00:12:04.688 --> 00:12:06.284 primary modality upfront?

NOTE Confidence: 0.90186495

00:12:08.410 --> 00:12:12.474 That is a great question, and one that

NOTE Confidence: 0.90186495

00:12:12.474 --> 00:12:16.030 we are still trying to figure out.

NOTE Confidence: 0.90186495

00:12:16.030 --> 00:12:18.724 I think that there is clearly

NOTE Confidence: 0.90186495

00:12:18.724 --> 00:12:21.225 a standard paradigm of doing

NOTE Confidence: 0.90186495

00:12:21.225 --> 00:12:23.677 surgery followed by chemotherapy

NOTE Confidence: 0.90186495

00:12:23.677 --> 00:12:26.742 for about six months afterwards.

NOTE Confidence: 0.90186495

00:12:26.750 --> 00:12:30.646 There is a lot of interest in giving

NOTE Confidence: 0.90186495

00:12:30.646 --> 00:12:33.240 chemotherapy prior to surgery or

NOTE Confidence: 0.90186495

00:12:33.240 --> 00:12:35.785 giving part of the chemotherapy,

NOTE Confidence: 0.90186495

00:12:35.790 --> 00:12:38.796 then surgery, and then chemotherapy after.

NOTE Confidence: 0.90186495

00:12:38.800 --> 00:12:42.319 And in fact, here at Smilow we have a

NOTE Confidence: 0.90186495

00:12:42.319 --> 00:12:46.005 clinical trial which is really looking at

NOTE Confidence: 0.90186495

00:12:46.005 --> 00:12:49.340 that question of perioperative chemotherapy.

NOTE Confidence: 0.90186495

00:12:49.340 --> 00:12:53.164 How do patients do getting some of the

NOTE Confidence: 0.90186495

00:12:53.164 --> 00:12:55.360 chemotherapy treatments before surgery,

NOTE Confidence: 0.90186495

00:12:55.360 --> 00:12:57.048 and then some after?

NOTE Confidence: 0.90186495

00:12:57.048 --> 00:13:01.194 And how that might compare to those who get

NOTE Confidence: 0.90186495

00:13:01.194 --> 00:13:04.236 surgery 1st and then chemotherapy later?

NOTE Confidence: 0.8909148

00:13:05.330 --> 00:13:07.556 And so this kind of brings

NOTE Confidence: 0.8909148

00:13:07.556 --> 00:13:09.748 us to the question of, well,

NOTE Confidence: 0.8909148

00:13:09.748 --> 00:13:11.588 how effective is the chemotherapy?

NOTE Confidence: 0.8909148

00:13:11.590 --> 00:13:12.607 Because,

NOTE Confidence: 0.8909148

00:13:12.607 --> 00:13:14.980 I can imagine that many of the

NOTE Confidence: 0.8909148

00:13:15.050 --> 00:13:17.402 people who are listening to this

NOTE Confidence: 0.8909148

00:13:17.402 --> 00:13:19.292 show are thinking,

NOTE Confidence: 0.8909148

00:13:19.292 --> 00:13:22.979 if I have a cancer and you can take this

NOTE Confidence: 0.8909148

00:13:22.979 --> 00:13:27.038 cancer out and you can get it out of my body,

NOTE Confidence: 0.8909148

00:13:27.040 --> 00:13:29.378 for many people the simple

NOTE Confidence: 0.8909148

00:13:29.378 --> 00:13:32.059 logic is that might be better

NOTE Confidence: 0.8909148

00:13:32.059 --> 00:13:33.663 than having a chemotherapy,

NOTE Confidence: 0.8909148

00:13:33.670 --> 00:13:35.610 which may or may not

NOTE Confidence: 0.8909148

00:13:35.610 --> 00:13:38.928 work and they often have some

NOTE Confidence: 0.8909148

00:13:38.928 --> 00:13:41.140 trepidation about cancer spreading

NOTE Confidence: 0.8909148

00:13:41.234 --> 00:13:44.089 and then making it unresectable.

NOTE Confidence: 0.8909148

00:13:44.090 --> 00:13:46.975 So how effective is chemotherapy

NOTE Confidence: 0.8909148

00:13:46.975 --> 00:13:51.037 that we could potentially use it in

NOTE Confidence: 0.8909148

00:13:51.037 --> 00:13:53.737 a neoadjuvant fashion to potentially

NOTE Confidence: 0.8909148

00:13:53.737 --> 00:13:57.684 even shrink the cancer and get some

NOTE Confidence: 0.8909148

00:13:57.684 --> 00:14:01.032 systemic control prior to resecting it?

NOTE Confidence: 0.81341493

00:14:02.790 --> 00:14:09.480 So our newer chemotherapy regiments are

NOTE Confidence: 0.81341493

00:14:09.480 --> 00:14:11.800 good, they're not great,

NOTE Confidence: 0.81341493

00:14:11.800 --> 00:14:15.008 but they are good and they can shrink

NOTE Confidence: 0.81341493

00:14:15.008 --> 00:14:17.796 the disease for some and control

NOTE Confidence: 0.81341493

00:14:17.796 --> 00:14:20.171 the microscopic disease that might

NOTE Confidence: 0.81341493

00:14:20.171 --> 00:14:22.940 be floating around for others.

NOTE Confidence: 0.81341493

00:14:22.940 --> 00:14:25.880 I think that the challenge ultimately

NOTE Confidence: 0.81341493

00:14:25.880 --> 00:14:28.650 is that even with surgery,

NOTE Confidence: 0.81341493

00:14:28.650 --> 00:14:31.092 the risk of pancreatic cancer coming

NOTE Confidence: 0.81341493

00:14:31.092 --> 00:14:33.710 back because it has already shed

NOTE Confidence: 0.81341493

00:14:33.710 --> 00:14:36.440 these microscopic cells is very high,

NOTE Confidence: 0.81341493

00:14:36.440 --> 00:14:39.359 and so by giving chemotherapy we are

NOTE Confidence: 0.81341493

00:14:39.359 --> 00:14:41.570 hopefully attacking some of those

NOTE Confidence: 0.81341493

00:14:41.570 --> 00:14:44.234 microscopic cells that are floating around,

NOTE Confidence: 0.81341493

00:14:44.240 --> 00:14:47.234 but also making sure that putting

NOTE Confidence: 0.81341493

00:14:47.234 --> 00:14:50.220 somebody through what would be a

NOTE Confidence: 0.81341493

00:14:50.220 --> 00:14:52.470 very major operation is ultimately

NOTE Confidence: 0.81341493

00:14:52.470 --> 00:14:54.400 the right thing to do.

00:14:54.830 --> 00:14:57.518 So many complicating moving parts

NOTE Confidence: 0.87324756

00:14:57.518 --> 00:15:00.307 in the management of pancreatic cancer

NOTE Confidence: 0.87324756

00:15:00.307 --> 00:15:03.499 and we're going to learn much more

NOTE Confidence: 0.87324756

00:15:03.499 --> 00:15:06.516 about all of that right after we take

NOTE Confidence: 0.87324756

00:15:06.516 --> 00:15:09.116 a short break for a medical minute.

NOTE Confidence: 0.87324756

00:15:09.116 --> 00:15:11.420 Please stay tuned to learn more

NOTE Confidence: 0.87324756

00:15:11.498 --> 00:15:13.530 about pancreatic cancer with

NOTE Confidence: 0.87324756

00:15:13.530 --> 00:15:14.700 my guest Doctor Jeremy Kortmansky.

NOTE Confidence: 0.87324756

00:15:14.700 --> 00:15:17.040 Support for Yale

NOTE Confidence: 0.87324756

00:15:17.040 --> 00:15:19.865 Cancer Answers comes from AstraZeneca

NOTE Confidence: 0.87324756

00:15:19.865 --> 00:15:21.761 providing important treatment options

NOTE Confidence: 0.87324756

00:15:21.761 --> 00:15:24.579 for various types and stages of cancer.

NOTE Confidence: 0.87324756

00:15:24.580 --> 00:15:27.740 More information at astrazeneca-us.com.

NOTE Confidence: 0.87324756

00:15:27.740 --> 00:15:29.540 This is a medical minute

NOTE Confidence: 0.87324756

00:15:29.540 --> 00:15:31.340 about head and neck cancers,

NOTE Confidence: 0.87324756

00:15:31.340 --> 00:15:33.195 although the percentage of oral

NOTE Confidence: 0.87324756

00:15:33.195 --> 00:15:35.464 and head and neck cancer patients

NOTE Confidence: 0.87324756

00:15:35.464 --> 00:15:37.498 in the United States is only

NOTE Confidence: 0.87324756

00:15:37.498 --> 00:15:39.724 about 5% of all diagnosed cancers,

NOTE Confidence: 0.87324756

00:15:39.724 --> 00:15:41.654 there are challenging side effects

NOTE Confidence: 0.87324756

00:15:41.654 --> 00:15:43.377 associated with these types of

NOTE Confidence: 0.87324756

00:15:43.377 --> 00:15:44.653 cancer and their treatment.

NOTE Confidence: 0.87324756

00:15:44.660 --> 00:15:46.228 Clinical trials are currently

NOTE Confidence: 0.87324756

00:15:46.228 --> 00:15:48.188 underway to test innovative new

NOTE Confidence: 0.87324756

00:15:48.188 --> 00:15:50.057 treatments for head and neck cancers,

NOTE Confidence: 0.87324756

00:15:50.060 --> 00:15:52.010 and in many cases less radical

NOTE Confidence: 0.87324756

00:15:52.010 --> 00:15:54.380 surgeries are able to preserve nerves,

NOTE Confidence: 0.87324756

00:15:54.380 --> 00:15:56.666 arteries and muscles in the neck.

NOTE Confidence: 0.87324756

00:15:56.670 --> 00:15:59.190 Enabling patients to move speak,

NOTE Confidence: 0.87324756

00:15:59.190 --> 00:15:59.693 breathe,

NOTE Confidence: 0.87324756

00:15:59.693 --> 00:16:02.208 and eat normally after surgery.

NOTE Confidence: 0.87324756

00:16:02.210 --> 00:16:04.735 More information is available at

NOTE Confidence: 0.87324756

00:16:04.735 --> 00:16:05.240 yalecancercenter.org.

NOTE Confidence: 0.87324756

00:16:05.240 --> 00:16:08.258 You're listening to Connecticut Public Radio.

NOTE Confidence: 0.8473462

00:16:09.410 --> 00:16:11.768 Welcome back to Yale Cancer Answers.

NOTE Confidence: 0.8473462

00:16:11.770 --> 00:16:14.003 This is doctor Anees Chagpar

NOTE Confidence: 0.8473462

00:16:14.003 --> 00:16:16.902 and I am joined tonight by my

NOTE Confidence: 0.8473462

00:16:16.902 --> 00:16:19.232 guest doctor Jeremy Kortmansky.

NOTE Confidence: 0.8473462

00:16:19.240 --> 00:16:21.190 We're talking about pancreatic cancer

NOTE Confidence: 0.8473462

00:16:21.190 --> 00:16:23.560 and Jeremy right before the break,

NOTE Confidence: 0.8473462

00:16:23.560 --> 00:16:26.764 you had indicated to us that you really think

NOTE Confidence: 0.8473462

00:16:26.764 --> 00:16:29.846 about pancreatic cancer in terms of staging,

NOTE Confidence: 0.8473462

00:16:29.850 --> 00:16:32.419 as whether things are resectable at the

NOTE Confidence: 0.8473462

00:16:32.419 --> 00:16:34.559 time of presentation or unresectable,

NOTE Confidence: 0.8473462

00:16:34.560 --> 00:16:36.918 but not metastatic or metastatic

NOTE Confidence: 0.8473462

00:16:36.920 --> 00:16:38.496 and sadly,

NOTE Confidence: 0.8473462

00:16:38.496 --> 00:16:42.112 80% of patients or so fall into

NOTE Confidence: 0.8473462

00:16:42.112 --> 00:16:44.260 the last two buckets.

NOTE Confidence: 0.8473462

00:16:44.260 --> 00:16:45.760 And you know,

NOTE Confidence: 0.8473462

00:16:45.760 --> 00:16:47.760 that's really unfortunate,

NOTE Confidence: 0.8473462

00:16:47.760 --> 00:16:50.238 because what is the prognosis for

NOTE Confidence: 0.8473462

00:16:50.238 --> 00:16:52.624 patients who have locally advanced

NOTE Confidence: 0.8473462

00:16:52.624 --> 00:16:55.256 unresectable disease at presentation?

NOTE Confidence: 0.8473462

00:16:55.260 --> 00:16:58.340 And what is the prognosis for patients

NOTE Confidence: 0.8473462

00:16:58.340 --> 00:17:01.260 who present with metastatic disease?

NOTE Confidence: 0.9038378

00:17:03.290 --> 00:17:06.517 For those patients who have advanced disease,

NOTE Confidence: 0.9038378

00:17:06.520 --> 00:17:08.360 unfortunately we view those

NOTE Confidence: 0.9038378

00:17:08.360 --> 00:17:09.740 as incurable cancers.

NOTE Confidence: 0.9038378

00:17:09.740 --> 00:17:15.510 We can't make it go away and never come back.

NOTE Confidence: 0.9038378

00:17:15.510 --> 00:17:18.030 For patients that have locally

NOTE Confidence: 0.9038378

00:17:18.030 --> 00:17:20.550 advanced disease on occasion and

NOTE Confidence: 0.9038378

00:17:20.637 --> 00:17:22.637 it's not the expectation,

NOTE Confidence: 0.9038378

00:17:22.640 --> 00:17:25.895 but on occasion they have a

NOTE Confidence: 0.9038378

00:17:25.895 --> 00:17:28.501 great response to the chemotherapy

NOTE Confidence: 0.9038378

00:17:28.501 --> 00:17:31.849 and we can revisit that question

NOTE Confidence: 0.9038378

00:17:31.849 --> 00:17:34.919 of surgery but without surgery,

NOTE Confidence: 0.9038378

00:17:34.920 --> 00:17:37.400 ultimately, patients succumb to their

NOTE Confidence: 0.9038378

00:17:37.400 --> 00:17:41.090 disease and the goals of our treatment

NOTE Confidence: 0.9038378

00:17:41.090 --> 00:17:43.215 are to control the disease

NOTE Confidence: 0.9038378

00:17:43.215 --> 00:17:45.340 for as long as possible.

NOTE Confidence: 0.9038378

00:17:45.340 --> 00:17:48.380 Help people live as long as possible and

NOTE Confidence: 0.9038378

00:17:48.380 --> 00:17:51.598 feel as well as possible knowing that

NOTE Confidence: 0.9038378

00:17:51.598 --> 00:17:54.690 the disease can be symptomatic as well.

NOTE Confidence: 0.92167467

00:17:55.830 --> 00:18:00.648 For people who are

NOTE Confidence: 0.92167467

00:18:00.648 --> 00:18:03.688 listening to this and who may have had

NOTE Confidence: 0.92167467

00:18:03.688 --> 00:18:06.142 friends or even seen celebrities

NOTE Confidence: 0.92167467

00:18:06.142 --> 00:18:08.604 go through their own journeys

NOTE Confidence: 0.92167467

00:18:08.604 --> 00:18:12.600 with pancreatic cancer,

NOTE Confidence: 0.92167467

00:18:12.600 --> 00:18:15.192 when we say the goal is really

NOTE Confidence: 0.92167467

00:18:15.192 --> 00:18:18.243 to try to control the cancer for as

NOTE Confidence: 0.92167467

00:18:18.243 --> 00:18:21.012 long as possible and the quality

NOTE Confidence: 0.92167467

00:18:21.012 --> 00:18:23.665 of life for as long as possible,

NOTE Confidence: 0.92167467

00:18:23.670 --> 00:18:24.750 in some cancers

NOTE Confidence: 0.92167467

00:18:24.750 --> 00:18:26.550 we've discussed on this

NOTE Confidence: 0.92167467

00:18:26.550 --> 00:18:28.839 show,

NOTE Confidence: 0.92167467

00:18:28.840 --> 00:18:31.353 medical management has come a really long

NOTE Confidence: 0.92167467

00:18:31.353 --> 00:18:33.998 way such that even in those settings,

00:18:34.696 --> 00:18:37.480 people live for a long time and

NOTE Confidence: 0.92167467

00:18:37.558 --> 00:18:40.420 they talk about this being incurable,

NOTE Confidence: 0.92167467

00:18:40.420 --> 00:18:42.891 but really making it more of a

NOTE Confidence: 0.92167467

00:18:42.891 --> 00:18:44.509 chronic disease then something

NOTE Confidence: 0.92167467

00:18:44.509 --> 00:18:46.449 that is imminently fatal.

NOTE Confidence: 0.92167467

00:18:46.450 --> 00:18:49.236 Where are we in the spectrum of

NOTE Confidence: 0.92167467

00:18:49.236 --> 00:18:51.270 pancreatic cancer towards getting to

NOTE Confidence: 0.92167467

00:18:52.134 --> 00:18:55.158 oK, so I've got pancreatic cancer and

NOTE Confidence: 0.92167467

00:18:55.158 --> 00:18:58.509 I know that I can't get rid of it,

NOTE Confidence: 0.92167467

00:18:58.510 --> 00:19:00.006 but

NOTE Confidence: 0.92167467

00:19:00.006 --> 00:19:02.807 I can live with it versus this

NOTE Confidence: 0.92167467

00:19:02.807 --> 00:19:05.127 is something that

NOTE Confidence: 0.92167467

00:19:05.130 --> 00:19:08.980 is more of an imminent concern.

NOTE Confidence: 0.86067766

00:19:10.680 --> 00:19:14.852 It's still a very challenging disease and

NOTE Confidence: 0.86067766

00:19:14.852 --> 00:19:19.250 there are for a lot of other cancers,

NOTE Confidence: 0.86067766

00:19:19.250 --> 00:19:23.126 a lot of exciting new therapies and

NOTE Confidence: 0.86067766

00:19:23.126 --> 00:19:25.710 targeted therapies and immunotherapy's

NOTE Confidence: 0.86067766

00:19:25.800 --> 00:19:28.188 that have become available.

NOTE Confidence: 0.86067766

00:19:28.190 --> 00:19:29.986 But for pancreas cancer,

NOTE Confidence: 0.86067766

00:19:29.986 --> 00:19:33.305 the majority of patients are still treated

NOTE Confidence: 0.86067766

00:19:33.305 --> 00:19:36.593 with versions of chemotherapy and

NOTE Confidence: 0.86067766

00:19:36.593 --> 00:19:39.149 those chemotherapy drugs are modest.

NOTE Confidence: 0.86067766

00:19:39.150 --> 00:19:41.635 There are some who are

NOTE Confidence: 0.86067766

00:19:41.635 --> 00:19:42.629 exceptional responders.

NOTE Confidence: 0.86067766

00:19:42.630 --> 00:19:47.103 People who do really well for a long time,

NOTE Confidence: 0.86067766

00:19:47.110 --> 00:19:50.098 but for the majority of patients,

NOTE Confidence: 0.86067766

00:19:50.100 --> 00:19:53.060 the survival is still only

NOTE Confidence: 0.86067766

00:19:53.060 --> 00:19:56.840 measured in in months or years.

NOTE Confidence: 0.86067766

00:19:56.840 --> 00:20:00.176 And doing better and finding better

NOTE Confidence: 0.86067766

00:20:00.180 --> 00:20:02.445 therapies is of such great

NOTE Confidence: 0.86067766

00:20:02.445 --> 00:20:04.257 importance for this disease.

NOTE Confidence: 0.86067766

00:20:04.260 --> 00:20:06.834 I think we are really hoping

NOTE Confidence: 0.86067766

00:20:06.834 --> 00:20:09.584 and trying every day to find

NOTE Confidence: 0.86067766

00:20:09.584 --> 00:20:12.410 therapies that are better than what

NOTE Confidence: 0.90957826

00:20:12.410 --> 00:20:13.628 we have currently.

NOTE Confidence: 0.90957826

00:20:13.628 --> 00:20:16.470 Do we have any factors that can

NOTE Confidence: 0.90957826

00:20:16.555 --> 00:20:19.525 predict who is going to respond

NOTE Confidence: 0.90957826

00:20:19.525 --> 00:20:21.920 better to chemotherapy versus not?

NOTE Confidence: 0.8260118

00:20:24.760 --> 00:20:29.602 So we are still trying to figure that out.

NOTE Confidence: 0.8260118

00:20:29.610 --> 00:20:33.922 I had mentioned

NOTE Confidence: 0.8260118

00:20:33.922 --> 00:20:37.958 this earlier, patients that have a BRCA

NOTE Confidence: 0.8260118

00:20:37.958 --> 00:20:41.470 mutation or a similar type mutation,

NOTE Confidence: 0.8260118

00:20:41.470 --> 00:20:44.760 we find that they are more sensitive

NOTE Confidence: 0.8260118

00:20:44.760 --> 00:20:47.400 to platinum based chemotherapy.

NOTE Confidence: 0.8260118

00:20:47.400 --> 00:20:51.796 So a drug like oxaliplatin or cisplatin.

NOTE Confidence: 0.8260118

00:20:51.800 --> 00:20:54.670 And that we can see better responses

NOTE Confidence: 0.8260118

00:20:54.670 --> 00:20:57.286 there that can sometimes last longer

NOTE Confidence: 0.8260118

00:20:57.286 --> 00:21:00.915 than we might see with a patient who

NOTE Confidence: 0.8260118

00:21:00.915 --> 00:21:03.945 doesn't have one of those abnormalities.

NOTE Confidence: 0.8260118

00:21:03.950 --> 00:21:07.134 We know that there is a class of

NOTE Confidence: 0.8260118

00:21:07.134 --> 00:21:09.800 drugs called PARP inhibitors,

NOTE Confidence: 0.8260118

00:21:09.800 --> 00:21:12.290 which for this mutated population

NOTE Confidence: 0.8260118

00:21:12.290 --> 00:21:15.199 can benefit from this targeted therapy.

NOTE Confidence: 0.8260118

00:21:15.200 --> 00:21:19.250 At the end of the day, that only makes

NOTE Confidence: 0.8260118

00:21:19.250 --> 00:21:23.810 up about 7% of the patients that we see.

NOTE Confidence: 0.8260118

00:21:23.810 --> 00:21:28.570 So it's still not a not a big number and

NOTE Confidence: 0.8260118

00:21:28.694 --> 00:21:32.055 we know about 1% have another abnormality,

NOTE Confidence: 0.8260118

00:21:32.055 --> 00:21:33.510 called microsatellite instability,

NOTE Confidence: 0.8260118

00:21:33.510 --> 00:21:34.965 for which immunotherapy

NOTE Confidence: 0.8260118

00:21:34.965 --> 00:21:36.905 drugs have been helpful.

NOTE Confidence: 0.8260118

00:21:36.910 --> 00:21:40.298 And so we always test for that.

NOTE Confidence: 0.8260118

00:21:40.300 --> 00:21:45.150 But again, it's one out of 100 that we see.

NOTE Confidence: 0.8260118

00:21:45.150 --> 00:21:48.181 So the majority of the patients that

NOTE Confidence: 0.8260118

00:21:48.181 --> 00:21:51.729 we take care of are still treated

NOTE Confidence: 0.8260118

00:21:51.729 --> 00:21:54.429 similarly with these more generic

NOTE Confidence: 0.8260118

00:21:54.430 --> 00:21:57.010 chemotherapy programs with a strong

NOTE Confidence: 0.8260118

00:21:57.010 --> 00:22:00.131 emphasis in trying to encourage patients

NOTE Confidence: 0.8260118

00:22:00.131 --> 00:22:02.406 to participate in clinical trials

NOTE Confidence: 0.8260118

00:22:02.406 --> 00:22:05.539 that can help us move the field.

NOTE Confidence: 0.85180885

00:22:06.890 --> 00:22:10.234 And I want to get into

NOTE Confidence: 0.85180885

00:22:10.234 --> 00:22:13.019 the clinical trials in a minute.

NOTE Confidence: 0.85180885

00:22:13.020 --> 00:22:15.210 But before we get there,

NOTE Confidence: 0.85180885

00:22:15.210 --> 00:22:17.475 if you're treated with standard

NOTE Confidence: 0.85180885

00:22:17.475 --> 00:22:20.224 chemotherapy and all of the side

NOTE Confidence: 0.85180885

00:22:20.224 --> 00:22:22.660 effects that go along with that,

NOTE Confidence: 0.85180885

00:22:22.660 --> 00:22:24.850 knowing that you're

NOTE Confidence: 0.85180885

00:22:24.850 --> 00:22:27.040 presented with a locally advanced,

NOTE Confidence: 0.85180885

00:22:27.040 --> 00:22:28.608 unresectable or metastatic cancer,

NOTE Confidence: 0.85180885

00:22:28.608 --> 00:22:30.568 what is really the efficacy

NOTE Confidence: 0.85180885

00:22:30.568 --> 00:22:32.289 of these chemotherapies?

NOTE Confidence: 0.85180885

00:22:32.290 --> 00:22:35.562 I mean, how do patients balance the risk

NOTE Confidence: 0.85180885

00:22:35.562 --> 00:22:39.416 and the benefit of the therapy?

NOTE Confidence: 0.85180885

00:22:39.416 --> 00:22:41.881 Is this something that for

NOTE Confidence: 0.85180885

00:22:41.881 --> 00:22:45.028 some patients the therapy is

NOTE Confidence: 0.85180885

00:22:45.028 --> 00:22:47.638 worse than the disease itself?

NOTE Confidence: 0.85180885

00:22:47.640 --> 00:22:50.760 Or are these actually things that

NOTE Confidence: 0.85180885

00:22:50.760 --> 00:22:53.490 are tolerable with more modern

NOTE Confidence: 0.85180885

00:22:53.490 --> 00:22:56.270 day treatments and additional

NOTE Confidence: 0.85180885

00:22:56.270 --> 00:22:59.870 factors that you can give patients?

NOTE Confidence: 0.85180885

00:22:59.870 --> 00:23:01.622 And that has really been shown

NOTE Confidence: 0.85180885

00:23:01.622 --> 00:23:03.731 to make a difference in terms of

NOTE Confidence: 0.85180885

00:23:03.731 --> 00:23:05.489 both survival and quality of life.

NOTE Confidence: 0.89348453

00:23:07.230 --> 00:23:10.723 My job is to make

NOTE Confidence: 0.89348453

00:23:10.723 --> 00:23:12.220 the treatments tolerable.

NOTE Confidence: 0.89348453

00:23:12.220 --> 00:23:14.650 When we we pick a regimen,

NOTE Confidence: 0.89348453

00:23:14.650 --> 00:23:17.080 there are two common

NOTE Confidence: 0.89348453

00:23:17.080 --> 00:23:18.700 regiments that we use.

NOTE Confidence: 0.89348453

00:23:18.700 --> 00:23:20.725 We are already thinking about

NOTE Confidence: 0.89348453

00:23:20.725 --> 00:23:23.750 what are the side effects that are

NOTE Confidence: 0.89348453

00:23:23.750 --> 00:23:26.065 associated with those regimens and

NOTE Confidence: 0.89348453

00:23:26.065 --> 00:23:28.198 whether the patient who's about

NOTE Confidence: 0.89348453

00:23:28.198 --> 00:23:30.846 to receive it is going to be able

NOTE Confidence: 0.89348453

00:23:30.850 --> 00:23:33.685 to tolerate it based on their age and

NOTE Confidence: 0.89348453

00:23:33.690 --> 00:23:35.934 other medical problems that they may

NOTE Confidence: 0.89348453

00:23:35.934 --> 00:23:38.949 have and when we give the treatments,

NOTE Confidence: 0.89348453

00:23:38.950 --> 00:23:42.278 we do so very carefully and we pay

NOTE Confidence: 0.89348453

00:23:42.278 --> 00:23:45.487 attention to those side effects to make

NOTE Confidence: 0.89348453

00:23:45.490 --> 00:23:49.081 adjustments in the dosing or give

NOTE Confidence: 0.89348453

00:23:49.081 --> 00:23:51.103 supportive medications to really

NOTE Confidence: 0.89348453

00:23:51.103 --> 00:23:53.896 make it as tolerable as we can.

NOTE Confidence: 0.89348453

00:23:53.900 --> 00:23:57.953 It's never a desired situation that the

NOTE Confidence: 0.89348453

00:23:57.953 --> 00:24:01.490 treatment is worse than the disease.

NOTE Confidence: 0.89348453

00:24:01.490 --> 00:24:02.862 And the reality is,

NOTE Confidence: 0.89348453

00:24:02.862 --> 00:24:05.398 that for the vast majority of

NOTE Confidence: 0.89348453

00:24:05.398 --> 00:24:08.219 patients when they do start feeling poorly,

NOTE Confidence: 0.89348453

00:24:08.220 --> 00:24:10.090 it's more often the disease

NOTE Confidence: 0.89348453

00:24:10.090 --> 00:24:11.960 than it is the treatments.

NOTE Confidence: 0.89348453

00:24:11.960 --> 00:24:14.228 But we make sure we see patients

NOTE Confidence: 0.89348453

00:24:14.228 --> 00:24:16.357 every time before they get their

NOTE Confidence: 0.89348453

00:24:16.357 --> 00:24:18.535 treatments to review the side effects

NOTE Confidence: 0.89348453

00:24:18.535 --> 00:24:21.069 and give the right medications and

NOTE Confidence: 0.89348453

00:24:21.069 --> 00:24:23.174 give the supportive medications or

NOTE Confidence: 0.89348453

00:24:23.180 --> 00:24:25.798 dose adjustments that we need to do.

NOTE Confidence: 0.8305674

00:24:26.890 --> 00:24:29.398 And how do we know

NOTE Confidence: 0.8305674

00:24:29.400 --> 00:24:31.268 that the chemotherapies are working?

NOTE Confidence: 0.8305674

00:24:31.268 --> 00:24:34.070 Many patients ask about well are

NOTE Confidence: 0.8305674

00:24:34.153 --> 00:24:36.526 you going to do more blood work?

NOTE Confidence: 0.8305674

00:24:36.530 --> 00:24:39.038 Are there tumor markers?

NOTE Confidence: 0.8305674

00:24:39.040 --> 00:24:40.524 How do you know?

NOTE Confidence: 0.8305674

00:24:40.524 --> 00:24:42.750 Because you had mentioned that for

NOTE Confidence: 0.8305674

00:24:42.829 --> 00:24:45.583 some patients who present

NOTE Confidence: 0.8305674

00:24:45.583 --> 00:24:47.419 without metastatic disease,

NOTE Confidence: 0.8305674

00:24:47.420 --> 00:24:49.385 that is unresectable that

NOTE Confidence: 0.8305674

00:24:49.385 --> 00:24:52.030 potentially in some of those patients,

NOTE Confidence: 0.8305674

00:24:52.030 --> 00:24:54.125 you can reassess whether they

NOTE Confidence: 0.8305674

00:24:54.125 --> 00:24:56.220 may be candidates for resection.

NOTE Confidence: 0.87449

00:24:57.630 --> 00:25:01.697 The best way to follow the disease is

NOTE Confidence: 0.87449

00:25:01.697 --> 00:25:05.730 with imaging so usually a CAT scan.

NOTE Confidence: 0.87449

00:25:05.730 --> 00:25:08.369 Sometimes an MRI or a PET scan,

NOTE Confidence: 0.87449

00:25:08.370 --> 00:25:10.869 but usually a CAT scan gives us

NOTE Confidence: 0.87449

00:25:10.869 --> 00:25:13.649 the level of detail that we need,

NOTE Confidence: 0.87449

00:25:13.650 --> 00:25:15.158 including the relationship of

NOTE Confidence: 0.87449

00:25:15.158 --> 00:25:17.420 the tumor to the vessels nearby.

NOTE Confidence: 0.87449

00:25:17.420 --> 00:25:19.922 For those who have locally advanced

NOTE Confidence: 0.87449

00:25:19.922 --> 00:25:22.317 disease and there is a tumor

NOTE Confidence: 0.87449

00:25:22.317 --> 00:25:24.578 marker that we can use as well,

00:25:27.380 --> 00:25:29.200 that can be helpful,

NOTE Confidence: 0.87449

00:25:29.200 --> 00:25:31.475 although sometimes it is not as

NOTE Confidence: 0.87449

00:25:31.475 --> 00:25:34.362 reliable as the scans and then also

NOTE Confidence: 0.87449

00:25:34.362 --> 00:25:36.640 really listening to the patient.

NOTE Confidence: 0.87449

00:25:36.640 --> 00:25:39.808 Patients can have symptoms that can be a

NOTE Confidence: 0.87449

00:25:39.808 --> 00:25:42.820 tipoff that something is getting better

NOTE Confidence: 0.87449

00:25:42.820 --> 00:25:45.520 or getting worse even before CAT

NOTE Confidence: 0.87449

00:25:45.520 --> 00:25:48.109 Scan tell you what's going on.

NOTE Confidence: 0.8510374

00:25:49.550 --> 00:25:52.292 And back to

NOTE Confidence: 0.8510374

00:25:52.292 --> 00:25:55.090 the story of my friend.

NOTE Confidence: 0.8510374

00:25:55.090 --> 00:25:58.120 She had chemotherapy as you suggested,

NOTE Confidence: 0.8510374

00:25:58.120 --> 00:26:01.138 and her tumor markers went down,

NOTE Confidence: 0.8510374

00:26:01.140 --> 00:26:02.472 which was great,

NOTE Confidence: 0.8510374

00:26:02.472 --> 00:26:05.580 but the imaging still showed that

NOTE Confidence: 0.8510374

00:26:05.672 --> 00:26:08.200 she had unresectable disease.

00:26:09.754 --> 00:26:14.093 She was quite happy to be done with

NOTE Confidence: 0.8510374

00:26:14.093 --> 00:26:18.223 chemo and really didn't want to

NOTE Confidence: 0.8510374

00:26:18.230 --> 00:26:20.995 do much more, but was certainly

NOTE Confidence: 0.8510374

00:26:20.995 --> 00:26:22.740 interested in clinical trials.

NOTE Confidence: 0.8510374

00:26:22.740 --> 00:26:25.610 So let's talk about clinical trials,

NOTE Confidence: 0.8510374

00:26:25.610 --> 00:26:27.086 both in that setting,

NOTE Confidence: 0.8510374

00:26:27.086 --> 00:26:29.300 after you don't respond

NOTE Confidence: 0.8510374

00:26:29.368 --> 00:26:31.483 to standard chemotherapy as well

NOTE Confidence: 0.8510374

00:26:31.483 --> 00:26:33.598 as clinical trials that might

NOTE Confidence: 0.8510374

00:26:33.673 --> 00:26:35.788 be offered to patients upfront

NOTE Confidence: 0.8510374

00:26:35.788 --> 00:26:37.903 as new therapies are developed.

NOTE Confidence: 0.8510374

00:26:37.910 --> 00:26:40.780 So what are you most excited about?

NOTE Confidence: 0.8796587

00:26:43.050 --> 00:26:45.288 I think it's interesting that you

NOTE Confidence: 0.8796587

00:26:45.288 --> 00:26:48.159 say that, I find that when I talk

NOTE Confidence: 0.8796587

00:26:48.160 --> 00:26:49.985 to a patient

NOTE Confidence: 0.8796587

00:26:49.985 --> 00:26:51.445 about a clinical trial

NOTE Confidence: 0.8796587

00:26:51.450 --> 00:26:54.365 sometimes they say to me, do you think

NOTE Confidence: 0.8796587

00:26:54.365 --> 00:26:56.920 I'm ready for a clinical trial?

NOTE Confidence: 0.8796587

00:26:56.920 --> 00:26:59.265 As if it's something that we wait

NOTE Confidence: 0.8796587

00:26:59.265 --> 00:27:01.669 until we don't have other options,

NOTE Confidence: 0.8796587

00:27:01.670 --> 00:27:03.764 and clinical trials are important at

NOTE Confidence: 0.8796587

00:27:03.764 --> 00:27:05.680 every phase of someone's disease,

NOTE Confidence: 0.8796587

00:27:05.680 --> 00:27:07.685 whether they are initially diagnosed

NOTE Confidence: 0.8796587

00:27:07.685 --> 00:27:09.690 or whether they have progressed

NOTE Confidence: 0.8796587

00:27:09.750 --> 00:27:11.520 on one or two prior therapies.

NOTE Confidence: 0.8796587

00:27:11.520 --> 00:27:14.154 We are always trying to figure

NOTE Confidence: 0.8796587

00:27:14.154 --> 00:27:17.058 out what's the best thing to do.

NOTE Confidence: 0.8796587

00:27:17.060 --> 00:27:20.148 And so the clinical trials that we are

NOTE Confidence: 0.8796587

00:27:20.148 --> 00:27:22.979 working on that we're excited about,

NOTE Confidence: 0.8796587

00:27:22.980 --> 00:27:25.977 I think we are still trying to find a

NOTE Confidence: 0.8796587

00:27:25.977 --> 00:27:29.328 role for immunotherapy in pancreas cancer,

NOTE Confidence: 0.8796587

00:27:29.330 --> 00:27:31.646 the same as in other diseases

NOTE Confidence: 0.8796587

00:27:31.646 --> 00:27:33.980 like lung cancer or Melanoma.

NOTE Confidence: 0.8796587

00:27:33.980 --> 00:27:36.100 But it's been a challenge,

NOTE Confidence: 0.8796587

00:27:36.100 --> 00:27:39.019 and so we are doing clinical trials

NOTE Confidence: 0.8796587

00:27:39.019 --> 00:27:41.349 that are looking at immunotherapy

NOTE Confidence: 0.8796587

00:27:41.349 --> 00:27:44.331 combinations as opposed to just a

NOTE Confidence: 0.8796587

00:27:44.331 --> 00:27:47.178 single drug to see if it might be

NOTE Confidence: 0.8796587

00:27:48.629 --> 00:27:52.010 better and we're looking at clinical trials that are

NOTE Confidence: 0.8796587

00:27:52.097 --> 00:27:55.673 trying to attack not just the tumor itself,

NOTE Confidence: 0.8796587

00:27:55.680 --> 00:27:58.278 but the scar tissue in the

NOTE Confidence: 0.8796587

00:27:58.278 --> 00:28:00.560 environment around the cancer cells.

NOTE Confidence: 0.8796587

00:28:00.560 --> 00:28:03.146 One of the challenging things about

NOTE Confidence: 0.8796587

00:28:03.146 --> 00:28:06.289 pancreas cancer is that it almost builds

NOTE Confidence: 0.8796587

00:28:06.289 --> 00:28:08.519 this protective shell around itself

NOTE Confidence: 0.8796587

00:28:08.519 --> 00:28:11.245 that can potentially make it more

NOTE Confidence: 0.8796587

00:28:11.245 --> 00:28:14.340 difficult for our treatments to get in,

NOTE Confidence: 0.8796587

00:28:14.340 --> 00:28:18.020 and so looking at drugs that can potentially

NOTE Confidence: 0.8796587

00:28:18.020 --> 00:28:21.049 eat away at that might help our

NOTE Confidence: 0.8796587

00:28:21.050 --> 00:28:23.420 more standard therapies be more

NOTE Confidence: 0.876941414285714

00:28:23.420 --> 00:28:25.076 effective.

NOTE Confidence: 0.876941414285714

00:28:25.076 --> 00:28:27.560 Doctor Jeremy Kortmansky is an associate professor of

NOTE Confidence: 0.876941414285714

00:28:27.622 --> 00:28:29.472 clinical medicine in medical oncology

NOTE Confidence: 0.876941414285714

00:28:29.472 --> 00:28:31.950 at the Yale School of Medicine.

NOTE Confidence: 0.876941414285714

00:28:31.950 --> 00:28:33.438 If you have questions,

NOTE Confidence: 0.876941414285714

00:28:33.438 --> 00:28:34.926 the address is canceranswers@yale.edu

NOTE Confidence: 0.876941414285714

00:28:34.926 --> 00:28:36.981 and past editions of the program

NOTE Confidence: 0.876941414285714

00:28:36.981 --> 00:28:38.859 are available in audio and written

NOTE Confidence: 0.876941414285714

00:28:38.914 --> 00:28:40.480 form at yalecancercenter.org.

NOTE Confidence: 0.876941414285714

00:28:40.480 --> 00:28:43.152 We hope you'll join us next week to

NOTE Confidence: 0.876941414285714

00:28:43.152 --> 00:28:45.758 learn more about the fight against

NOTE Confidence: 0.876941414285714

00:28:45.758 --> 00:28:48.548 cancer here on Connecticut Public Radio.