WEBVTT

00:00:00.160 --> 00:00:01.920 Funding for Yale Cancer Answers

NOTE Confidence: 0.9262861

00:00:01.920 --> 00:00:03.679 is provided by Smilow Cancer

NOTE Confidence: 0.9262861

00:00:03.679 --> 00:00:04.180 Hospital.

NOTE Confidence: 0.9610005

00:00:05.920 --> 00:00:07.759 Welcome to Yale Cancer Answers

NOTE Confidence: 0.9610005

00:00:07.759 --> 00:00:08.800 with the director of the

NOTE Confidence: 0.9610005

00:00:08.800 --> 00:00:10.559 Yale Cancer Center, doctor Eric

NOTE Confidence: 0.9610005

00:00:10.559 --> 00:00:11.059 Winer.

NOTE Confidence: 0.9958762

00:00:11.679 --> 00:00:13.940 Yale Cancer Answers features conversations

NOTE Confidence: 0.9958762

00:00:14.160 --> 00:00:14.900 with oncologists

NOTE Confidence: 0.98281723

00:00:15.255 --> 00:00:16.454 and specialists who are on

NOTE Confidence: 0.98281723

00:00:16.454 --> 00:00:17.575 the forefront of the battle

NOTE Confidence: 0.98281723

00:00:17.575 --> 00:00:18.475 to fight cancer.

NOTE Confidence: 0.98272085

00:00:19.095 --> 00:00:20.395 This week, it's a conversation

NOTE Confidence: 0.98272085

00:00:20.454 --> 00:00:21.755 about the care of pediatric

NOTE Confidence: 0.98272085

00:00:21.895 --> 00:00:23.415 patients with cancer with doctor

NOTE Confidence: 0.98272085

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00:00:23.415 --> 00:00:24.475 Prasanna Ananth.

NOTE Confidence: 0.9907818

00:00:24.855 --> 00:00:26.375 Doctor Ananth is an associate

NOTE Confidence: 0.9907818

00:00:26.375 --> 00:00:28.395 professor of pediatrics and hematology

NOTE Confidence: 0.9907818

00:00:28.695 --> 00:00:30.215 oncology at the Yale School

NOTE Confidence: 0.9907818

00:00:30.215 --> 00:00:30.875 of Medicine.

NOTE Confidence: 0.8433817

00:00:31.280 --> 00:00:32.420 Here's doctor Winer.

NOTE Confidence: 0.995343

00:00:33.360 --> 00:00:34.560 Maybe you could just tell

NOTE Confidence: 0.995343

00:00:34.560 --> 00:00:35.920 us a little bit about

NOTE Confidence: 0.995343

00:00:35.920 --> 00:00:36.740 your background.

NOTE Confidence: 0.97786856

00:00:38.080 --> 00:00:38.720 Tell us

NOTE Confidence: 0.9933459

00:00:39.680 --> 00:00:40.720 how you got to where

NOTE Confidence: 0.9933459

00:00:40.720 --> 00:00:42.159 you are.

NOTE Confidence: 0.9933459

00:00:42.159 --> 00:00:44.640 I've always been very interested in

NOTE Confidence: 0.9933459

00:00:44.640 --> 00:00:46.180 the illness experience

NOTE Confidence: 0.9986083

00:00:47.395 --> 00:00:48.854 and gravitated naturally

NOTE Confidence: 0.9709959

00:00:49.555 --> 00:00:51.175 from probably high school onwards

NOTE Confidence: 0.9709959

00:00:51.235 --> 00:00:51.735 towards

NOTE Confidence: 0.9685934

00:00:52.195 --> 00:00:54.535 working with children. So pediatrics

NOTE Confidence: 0.98108804

00:00:54.915 --> 00:00:56.375 was a natural fit.

NOTE Confidence: 0.9185439

00:00:56.915 --> 00:00:58.195 And then as

NOTE Confidence: 0.9185439

00:00:58.195 --> 00:01:00.055 a final year medical student,

NOTE Confidence: 0.9185439

00:01:00.114 --> 00:01:00.695 I had a

NOTE Confidence: 0.9158299

00:01:02.170 --> 00:01:03.230 visiting elective

NOTE Confidence: 0.9664709

00:01:03.930 --> 00:01:05.870 at Boston Children's Hospital. And

NOTE Confidence: 0.99893844

00:01:06.330 --> 00:01:07.790 while I was there, I

NOTE Confidence: 0.90534467

00:01:08.090 --> 00:01:10.030 met my future and longtime

NOTE Confidence: 0.90534467

00:01:10.170 --> 00:01:12.030 mentor, doctor Joanne Wolf.

NOTE Confidence: 0.99560475

00:01:12.650 --> 00:01:14.410 And here was a

NOTE Confidence: 0.96463794

00:01:15.555 --> 00:01:18.215 phenomenal, powerful woman who is

NOTE Confidence: 0.9998299

00:01:18.515 --> 00:01:19.575 trained as a pediatric

NOTE Confidence: 0.99754983

00:01:19.875 --> 00:01:20.375 oncologist,

NOTE Confidence: 0.9962943

00:01:20.994 --> 00:01:22.674 so a cancer specialist, as

NOTE Confidence: 0.9962943

00:01:22.674 --> 00:01:24.534 well as a pediatric palliative

NOTE Confidence: 0.9962943

00:01:24.594 --> 00:01:25.414 care doctor.

00:01:27.075 --> 00:01:28.534 She founded pretty much

NOTE Confidence: 0.9996842

00:01:29.100 --> 00:01:30.780 the first palliative care program

NOTE Confidence: 0.9996842

00:01:30.780 --> 00:01:32.080 in this entire country and

00:01:34.140 --> 00:01:35.819 is also a researcher and a

NOTE Confidence: 0.9811923

00:01:37.500 --> 00:01:38.720 mom of three kids.

NOTE Confidence: 0.9964681

00:01:39.100 --> 00:01:41.260 And having met her, I

NOTE Confidence: 0.9964681

00:01:41.260 --> 00:01:42.880 was just really inspired

NOTE Confidence: 0.9953896

00:01:43.340 --> 00:01:44.435 by the work that she

NOTE Confidence: 0.9953896

00:01:44.435 --> 00:01:45.895 did, by her

NOTE Confidence: 0.9997354

00:01:46.274 --> 00:01:47.735 demeanor, her approach,

NOTE Confidence: 0.99246734

00:01:48.354 --> 00:01:49.875 her passion for the work

00:01:50.994 --> 00:01:53.314 that she engaged in, and

NOTE Confidence: 0.90616465

00:01:53.314 --> 00:01:54.295 just the

NOTE Confidence: 0.74149895

00:01:55.235 --> 00:01:55.895 intellectual

NOTE Confidence: 0.92796236

00:01:56.274 --> 00:01:57.875 inquiry as well as the

NOTE Confidence: 0.92796236

00:01:57.875 --> 00:01:58.774 sort of practical

NOTE Confidence: 0.9893314

00:01:59.155 --> 00:02:01.240 aspects of pediatric palliative care

NOTE Confidence: 0.9893314

00:02:01.240 --> 00:02:02.840 research. So that's really sort

NOTE Confidence: 0.9893314

00:02:02.840 --> 00:02:04.120 of where I derived my

NOTE Confidence: 0.9893314

00:02:04.120 --> 00:02:05.320 inspiration.

NOTE Confidence: 0.9893314

00:02:05.320 --> 00:02:06.620 And let me just say, having

NOTE Confidence: 0.9978498

00:02:07.080 --> 00:02:08.919 been at Dana Farber for

NOTE Confidence: 0.9978498

00:02:08.919 --> 00:02:09.660 many years,

NOTE Confidence: 0.9858346

00:02:10.360 --> 00:02:12.220 Joanne was my colleague

NOTE Confidence: 0.9723829

00:02:13.514 --> 00:02:14.794 for many of those years,

NOTE Confidence: 0.9723829

00:02:14.794 --> 00:02:15.915 if not all of those

NOTE Confidence: 0.9723829

00:02:15.915 --> 00:02:16.415 years.

NOTE Confidence: 0.9972758

00:02:19.995 --> 00:02:21.754 And on some level, she

NOTE Confidence: 0.9768644

00:02:21.754 --> 00:02:23.674 founded this whole field of

NOTE Confidence: 0.9768644

00:02:23.674 --> 00:02:25.454 pediatric palliative care, and is an

NOTE Confidence: 0.95291084

00:02:26.155 --> 00:02:28.400 amazing person who's now the

NOTE Confidence: 0.95291084

00:02:28.400 --> 00:02:30.080 chair of pediatrics at Mass

NOTE Confidence: 0.95291084

00:02:30.080 --> 00:02:32.180 General Hospital.

00:02:36.560 --> 00:02:37.599 You came to Yale a

NOTE Confidence: 0.9659856

00:02:37.599 --> 00:02:39.459 number of years ago, and

NOTE Confidence: 0.92544496

00:02:40.239 --> 00:02:41.940 here you both

NOTE Confidence: 0.9823621

00:02:42.495 --> 00:02:44.175 spend some time taking care

NOTE Confidence: 0.9823621

00:02:44.175 --> 00:02:44.835 of kids

NOTE Confidence: 0.98745966

00:02:45.455 --> 00:02:47.535 and also do research focused

NOTE Confidence: 0.98745966

00:02:47.535 --> 00:02:48.975 on palliative care.

NOTE Confidence: 0.98745966

00:02:49.055 --> 00:02:49.875 Let's first

NOTE Confidence: 0.99949956

00:02:50.575 --> 00:02:51.395 talk about

NOTE Confidence: 0.97426176

00:02:51.775 --> 00:02:52.835 cancer in children.

NOTE Confidence: 0.9983262

00:02:54.095 --> 00:02:54.595 Thankfully,

NOTE Confidence: 0.9885047

00:02:55.120 --> 00:02:56.320 this is not something we

NOTE Confidence: 0.9885047

00:02:56.320 --> 00:02:58.000 talk about all that often

NOTE Confidence: 0.9885047

00:02:58.000 --> 00:02:59.920 because, thankfully, it's not very

NOTE Confidence: 0.9885047

00:02:59.920 --> 00:03:01.280 common. Can you speak to

NOTE Confidence: 0.9885047

00:03:01.280 --> 00:03:02.340 that a little bit?

00:03:04.480 --> 00:03:06.080 As you mentioned, it is

NOTE Confidence: 0.9840178

00:03:06.080 --> 00:03:07.440 very rare for a child

NOTE Confidence: 0.9840178

00:03:07.440 --> 00:03:08.260 or an adolescent to

00:03:09.535 --> 00:03:10.355 experience cancer.

NOTE Confidence: 0.97978556

00:03:11.135 --> 00:03:12.195 Probably around

NOTE Confidence: 0.99859923

00:03:12.655 --> 00:03:15.455 sixteen thousand children and adolescents

NOTE Confidence: 0.99859923

00:03:15.455 --> 00:03:17.375 are diagnosed with cancer every

NOTE Confidence: 0.99859923

00:03:17.375 --> 00:03:17.875 year

NOTE Confidence: 0.99730814

00:03:18.415 --> 00:03:19.555 in the United States.

NOTE Confidence: 0.91218346

00:03:20.175 --> 00:03:21.875 It's much higher across

NOTE Confidence: 0.91218346

00:03:21.935 --> 00:03:24.095 the globe, but fortunately in

NOTE Confidence: 0.91218346

00:03:24.095 --> 00:03:26.150 the United States, we have,

NOTE Confidence: 0.9959383

00:03:26.530 --> 00:03:28.290 even in rural communities, we

NOTE Confidence: 0.9959383

00:03:28.290 --> 00:03:29.650 have pretty good access to

NOTE Confidence: 0.9959383

00:03:29.650 --> 00:03:31.169 medical care for kids with

NOTE Confidence: 0.9959383

00:03:31.169 --> 00:03:31.669 cancer.

NOTE Confidence: 0.9567652

00:03:32.770 --> 00:03:33.669 So that

NOTE Confidence: 0.9984537

00:03:34.850 --> 00:03:36.530 amounts to about one in

NOTE Confidence: 0.9984537

00:03:36.530 --> 00:03:38.675 every two hundred and sixty children

NOTE Confidence: 0.99486434

00:03:39.295 --> 00:03:40.655 who might experience cancer in

NOTE Confidence: 0.99486434

00:03:40.655 --> 00:03:42.175 a given year.

NOTE Confidence: 0.99486434

00:03:42.175 --> 00:03:43.775 To put that in context, if

NOTE Confidence: 0.99486434

00:03:43.775 --> 00:03:45.215 you just look at breast

NOTE Confidence: 0.99486434

00:03:45.215 --> 00:03:46.355 cancer, for example,

NOTE Confidence: 0.9988482

00:03:47.055 --> 00:03:47.555 it's

NOTE Confidence: 0.9983509

00:03:48.335 --> 00:03:50.175 far less than ten percent

NOTE Confidence: 0.9983509

00:03:50.175 --> 00:03:51.295 of the number of breast

NOTE Confidence: 0.9983509

00:03:51.295 --> 00:03:52.920 cancer cases each year

NOTE Confidence: 0.9898143

00:03:53.319 --> 00:03:54.760 of all kids with

NOTE Confidence: 0.9898143

00:03:54.760 --> 00:03:56.280 cancer.

NOTE Confidence: 0.9898143

00:03:56.280 --> 00:03:57.400 And breast cancer is just one

NOTE Confidence: 0.9898143

00:03:57.400 --> 00:03:59.020 of many cancers in adults.

00:04:02.440 --> 00:04:03.580 Across the country,

NOTE Confidence: 0.9972195

00:04:04.520 --> 00:04:06.040 access to care seems to

NOTE Confidence: 0.9972195

00:04:06.040 --> 00:04:07.180 be okay?

NOTE Confidence: 0.98615265

00:04:08.325 --> 00:04:10.245 Well, in general, it's a

NOTE Confidence: 0.98615265

00:04:10.245 --> 00:04:11.845 little bit different from treatment

NOTE Confidence: 0.98615265

00:04:11.845 --> 00:04:13.705 of adult cancers in that we

00:04:15.685 --> 00:04:18.404 generally treat childhood cancers at

NOTE Confidence: 0.99822605

00:04:18.404 --> 00:04:20.025 major cancer centers.

NOTE Confidence: 0.99719495

00:04:20.910 --> 00:04:22.670 So we do know that

NOTE Confidence: 0.99719495

00:04:22.670 --> 00:04:23.490 in some

NOTE Confidence: 0.9342972

00:04:24.190 --> 00:04:25.790 locales, like the state of

NOTE Confidence: 0.9342972

00:04:25.790 --> 00:04:27.390 California where there's a lot

NOTE Confidence: 0.9342972

00:04:27.390 --> 00:04:29.170 of rural areas and

00:04:31.310 --> 00:04:33.550 very limited access to

NOTE Confidence: 0.95319426

00:04:33.550 --> 00:04:34.850 large cancer centers,

NOTE Confidence: 0.9916027

00:04:35.194 --> 00:04:36.714 that there can be gaps

NOTE Confidence: 0.9916027

00:04:36.714 --> 00:04:37.535 in care.

NOTE Confidence: 0.9653578

00:04:37.995 --> 00:04:39.595 But what is sort of

NOTE Confidence: 0.9653578

00:04:39.595 --> 00:04:42.095 different about childhood cancer treatment

NOTE Confidence: 0.9653578

00:04:42.154 --> 00:04:42.815 is that

NOTE Confidence: 0.9590371

00:04:43.275 --> 00:04:44.574 it's very standardized.

NOTE Confidence: 0.88711894

00:04:45.275 --> 00:04:47.535 So we often follow

NOTE Confidence: 0.99994564

00:04:47.914 --> 00:04:48.414 protocols

NOTE Confidence: 0.97703695

00:04:49.050 --> 00:04:51.070 according to a big cooperative

NOTE Confidence: 0.97703695

00:04:51.290 --> 00:04:52.970 clinical trials group, the Children's

NOTE Confidence: 0.97703695

00:04:52.970 --> 00:04:54.190 Oncology Group.

NOTE Confidence: 0.9700183

00:04:54.570 --> 00:04:56.669 So for the most part,

NOTE Confidence: 0.9700183

00:04:56.810 --> 00:04:58.330 pretty much anywhere you go

NOTE Confidence: 0.9700183

00:04:58.330 --> 00:04:59.230 in the country,

NOTE Confidence: 0.9949037

00:04:59.770 --> 00:05:01.230 if you're seeing an oncologist

NOTE Confidence: 0.9949037

00:05:01.450 --> 00:05:03.230 for a childhood onset cancer,

NOTE Confidence: 0.9486683

00:05:03.824 --> 00:05:05.345 likely you will be offered

NOTE Confidence: 0.9486683

00:05:05.345 --> 00:05:06.645 treatment according

NOTE Confidence: 0.9998726

00:05:07.585 --> 00:05:08.245 to the

NOTE Confidence: 0.9524062

00:05:08.705 --> 00:05:11.025 latest published trial through the

NOTE Confidence: 0.9524062

00:05:11.025 --> 00:05:13.604 Children's Oncology Group

NOTE Confidence: 0.9622542

00:05:14.065 --> 00:05:15.985 or based on a new

NOTE Confidence: 0.9622542

00:05:15.985 --> 00:05:17.345 clinical trial that they're rolling

NOTE Confidence: 0.9622542

00:05:17.345 --> 00:05:18.490 out.

NOTE Confidence: 0.9622542

00:05:18.490 --> 00:05:19.610 And are there many kids in clinical

NOTE Confidence: 0.9622542

00:05:19.610 --> 00:05:21.629 trials?

00:05:24.250 --> 00:05:26.009 Yeah, it's nice in that there

NOTE Confidence: 0.9379903

00:05:26.009 --> 00:05:27.310 is this standardization.

NOTE Confidence: 0.95994824

00:05:28.089 --> 00:05:29.129 And a lot

NOTE Confidence: 0.95994824

00:05:29.129 --> 00:05:30.569 of times families that are

NOTE Confidence: 0.95994824

00:05:30.569 --> 00:05:32.430 newly diagnosed are sort of

NOTE Confidence: 0.93747383

00:05:33.255 --> 00:05:33.755 panicking,

NOTE Confidence: 0.9748361

00:05:34.135 --> 00:05:34.635 understandably,

NOTE Confidence: 0.9784493

00:05:35.095 --> 00:05:36.615 and trying to figure out

NOTE Confidence: 0.9784493

00:05:36.615 --> 00:05:38.055 where the best place is

NOTE Confidence: 0.9784493

00:05:38.055 --> 00:05:39.195 to go for care.

NOTE Confidence: 0.98357964

00:05:39.735 --> 00:05:41.015 And what I

NOTE Confidence: 0.98357964

00:05:41.015 --> 00:05:42.795 always tell families is that,

NOTE Confidence: 0.98357964

00:05:43.095 --> 00:05:44.295 for the most part, no

NOTE Confidence: 0.98357964

00:05:44.295 --> 00:05:45.655 matter where you go in

NOTE Confidence: 0.98357964

00:05:45.655 --> 00:05:46.315 the country

NOTE Confidence: 0.951964

00:05:47.270 --> 00:05:48.310 there will be

NOTE Confidence: 0.951964

00:05:48.310 --> 00:05:50.410 differences in terms of the

NOTE Confidence: 0.9912886

00:05:50.870 --> 00:05:52.470 services that you have access to

00:05:53.830 --> 00:05:55.589 and the

NOTE Confidence: 0.98872465

00:05:55.589 --> 00:05:57.370 types of doctors, the surgeons,

NOTE Confidence: 0.98872465

00:05:57.430 --> 00:05:59.210 the radiation oncologists, etcetera.

NOTE Confidence: 0.99931717

00:05:59.669 --> 00:06:01.690 However, the treatment itself

NOTE Confidence: 0.92521477

00:06:02.214 --> 00:06:03.435 is pretty standard

NOTE Confidence: 0.9988838

00:06:04.935 --> 00:06:06.535 and there will be very

NOTE Confidence: 0.9988838

00:06:06.535 --> 00:06:08.074 minimal to no differences

NOTE Confidence: 0.9949829

00:06:08.375 --> 00:06:10.055 regardless of where you go.

NOTE Confidence: 0.99440384

00:06:11.895 --> 00:06:13.735 And of the cancers that

NOTE Confidence: 0.99440384

00:06:13.735 --> 00:06:14.794 occur in children,

NOTE Confidence: 0.95622957

00:06:15.349 --> 00:06:16.569 what are the most common?

NOTE Confidence: 0.95622957

00:06:16.710 --> 00:06:19.150 They're very different than

NOTE Confidence: 0.95622957

00:06:19.190 --> 00:06:21.210 in general adult cancers.

NOTE Confidence: 0.999546

00:06:21.669 --> 00:06:23.349 Yeah. So the most common

NOTE Confidence: 0.999546

00:06:23.349 --> 00:06:24.550 types of cancers that we

NOTE Confidence: 0.999546

00:06:24.550 --> 00:06:25.449 see in kids

NOTE Confidence: 0.9768107

00:06:25.750 --> 00:06:27.690 and adolescents are leukemias

NOTE Confidence: 0.9931129

00:06:28.205 --> 00:06:30.525 and lymphomas, so cancers of

NOTE Confidence: 0.9931129

00:06:30.525 --> 00:06:32.525 blood cells and of lymph

NOTE Confidence: 0.9931129

00:06:32.525 --> 00:06:33.025 nodes.

NOTE Confidence: 0.9985341

00:06:34.285 --> 00:06:35.645 And is there a reason

NOTE Confidence: 0.9985341

00:06:35.645 --> 00:06:36.305 for that?

NOTE Confidence: 0.9966234

00:06:37.404 --> 00:06:38.845 You know, I don't know.

NOTE Confidence: 0.9966234

00:06:38.845 --> 00:06:40.285 I mean, we're trying to

NOTE Confidence: 0.9966234

00:06:40.285 --> 00:06:41.964 understand more and more through

NOTE Confidence: 0.9966234

00:06:41.964 --> 00:06:43.985 our clinical trials about what

NOTE Confidence: 0.999797

00:06:44.660 --> 00:06:45.160 predisposes

NOTE Confidence: 0.9635317

00:06:45.540 --> 00:06:46.839 a child to cancer,

NOTE Confidence: 0.97791374

00:06:47.300 --> 00:06:48.740 and I think there's a

NOTE Confidence: 0.97791374

00:06:48.740 --> 00:06:51.220 growing understanding that most children

NOTE Confidence: 0.97791374

00:06:51.220 --> 00:06:52.980 with cancer, especially children who

NOTE Confidence: 0.97791374

00:06:52.980 --> 00:06:54.740 are really young who develop

NOTE Confidence: 0.97791374

00:06:54.740 --> 00:06:55.240 cancer,

NOTE Confidence: 0.9751589

00:06:55.700 --> 00:06:57.320 have probably inherited

NOTE Confidence: 0.89799714

00:06:57.700 --> 00:06:58.920 some sort of predisposition,

NOTE Confidence: 0.9936534

00:06:59.275 --> 00:07:00.815 but we're really

NOTE Confidence: 0.97471476

00:07:01.354 --> 00:07:03.375 lacking an understanding of

NOTE Confidence: 0.97471476

00:07:03.675 --> 00:07:05.694 what causes cancer in kids.

NOTE Confidence: 0.89065933

00:07:06.235 --> 00:07:08.294 And that is a

NOTE Confidence: 0.89065933

00:07:08.315 --> 00:07:09.995 real shift from the adult

NOTE Confidence: 0.89065933

00:07:09.995 --> 00:07:11.730 world where a lot of

NOTE Confidence: 0.95246416

00:07:12.130 --> 00:07:13.250 cancers arise in people who

NOTE Confidence: 0.95246416

00:07:13.250 --> 00:07:14.790 have been long time smokers

NOTE Confidence: 0.95246416

00:07:15.010 --> 00:07:15.750 or who

NOTE Confidence: 0.99201417

00:07:16.530 --> 00:07:18.370 have other sort

NOTE Confidence: 0.99201417

00:07:18.370 --> 00:07:20.210 of lifestyle choices that have

NOTE Confidence: 0.99201417

00:07:20.210 --> 00:07:21.970 predisposed them. It's not the

NOTE Confidence: 0.99201417

00:07:21.970 --> 00:07:22.950 case in kids.

NOTE Confidence: 0.9941724

00:07:24.050 --> 00:07:25.750 And in children,

NOTE Confidence: 0.97505003

00:07:26.915 --> 00:07:29.335 leukemia typically is acute leukemia.

NOTE Confidence: 0.97505003

00:07:29.555 --> 00:07:31.095 It's not a chronic leukemia.

00:07:32.755 --> 00:07:33.255 It is diagnosed

NOTE Confidence: 0.99518377

00:07:33.635 --> 00:07:34.135 somewhat

NOTE Confidence: 0.9387755

00:07:35.635 --> 00:07:37.875 abruptly. Someone has symptoms

NOTE Confidence: 0.9387755

00:07:37.875 --> 00:07:39.715 and they are diagnosed pretty

NOTE Confidence: 0.9387755

00:07:39.715 --> 00:07:40.695 quickly usually.

NOTE Confidence: 0.99991673

00:07:41.620 --> 00:07:42.900 But the outcome is very

NOTE Confidence: 0.99991673

00:07:42.900 --> 00:07:43.400 different

NOTE Confidence: 0.98186946

00:07:43.860 --> 00:07:45.139 than it is in

NOTE Confidence: 0.98186946

00:07:45.139 --> 00:07:46.259 adults.

NOTE Confidence: 0.98186946

00:07:46.259 --> 00:07:47.220 Mayeb you could tell us a little bit

NOTE Confidence: 0.98186946

00:07:47.220 --> 00:07:49.539 about what the usual

NOTE Confidence: 0.98186946

00:07:49.539 --> 00:07:51.060 course is for a child

NOTE Confidence: 0.98186946

00:07:51.060 --> 00:07:51.800 with leukemia.

00:07:54.180 --> 00:07:55.880 As you pointed out, usually

NOTE Confidence: 0.984177

00:07:55.940 --> 00:07:56.919 it's sort of

NOTE Confidence: 0.97160107

00:07:57.415 --> 00:07:59.415 abrupt or acute onset, and

NOTE Confidence: 0.97160107

00:07:59.415 --> 00:08:00.855 that can come with a

NOTE Confidence: 0.97160107

00:08:00.855 --> 00:08:02.375 lot of challenges both in

NOTE Confidence: 0.97160107

00:08:02.375 --> 00:08:03.915 terms of diagnosing

NOTE Confidence: 0.986825

00:08:04.775 --> 00:08:06.395 and expediting treatment,

NOTE Confidence: 0.9911905

00:08:07.095 --> 00:08:08.295 and then also in terms

NOTE Confidence: 0.9911905

00:08:08.295 --> 00:08:10.055 of adjustment for families and

NOTE Confidence: 0.9911905

00:08:10.055 --> 00:08:11.575 children. We have to move

NOTE Confidence: 0.9911905

00:08:11.575 --> 00:08:12.635 very, very quickly.

00:08:15.410 --> 00:08:16.770 The likelihood of cure for

NOTE Confidence: 0.98717177

00:08:16.770 --> 00:08:18.630 the vast majority of leukemias

NOTE Confidence: 0.98717177

00:08:18.690 --> 00:08:20.530 and lymphomas is greater

NOTE Confidence: 0.98717177

00:08:20.530 --> 00:08:21.990 than eighty five percent.

NOTE Confidence: 0.9892289

00:08:22.850 --> 00:08:23.350 Recently,

NOTE Confidence: 0.9972273

00:08:24.210 --> 00:08:25.830 there has been a novel

NOTE Confidence: 0.9972273

00:08:25.889 --> 00:08:27.110 targeted therapy

NOTE Confidence: 0.9999231

00:08:28.264 --> 00:08:29.164 that has

NOTE Confidence: 0.9999105

00:08:29.465 --> 00:08:29.965 improved

NOTE Confidence: 0.9987779

00:08:30.345 --> 00:08:32.184 the outcomes for kids with

NOTE Confidence: 0.9987779

00:08:32.184 --> 00:08:33.084 acute leukemia,

NOTE Confidence: 0.9910427

00:08:33.625 --> 00:08:34.825 the most common type of

NOTE Confidence: 0.9910427

00:08:34.825 --> 00:08:36.045 leukemia, ALL, to

00:08:38.024 --> 00:08:39.785 a greater than ninety five,

NOTE Confidence: 0.9577375

00:08:39.785 --> 00:08:41.485 almost ninety eight percent

NOTE Confidence: 0.9864702

00:08:42.029 --> 00:08:44.110 likelihood of cure. And so

NOTE Confidence: 0.9864702

00:08:44.110 --> 00:08:45.490 we've really moved

NOTE Confidence: 0.9389518

00:08:45.870 --> 00:08:47.410 quickly, because

NOTE Confidence: 0.96742135

00:08:47.870 --> 00:08:49.149 if you think back to

NOTE Confidence: 0.96742135

00:08:49.149 --> 00:08:51.309 honestly, like, maybe seventy years

NOTE Confidence: 0.96742135

00:08:51.309 --> 00:08:52.690 ago, that was when

NOTE Confidence: 0.9993553

00:08:53.070 --> 00:08:55.070 leukemia treatments were even being

NOTE Confidence: 0.9993553

00:08:55.070 --> 00:08:55.570 introduced

NOTE Confidence: 0.927721

00:08:55.949 --> 00:08:56.690 in kids.

00:08:59.855 --> 00:09:01.215 And the likelihood of cure was very,

NOTE Confidence: 0.9685154

00:09:01.215 --> 00:09:02.035 very low.

NOTE Confidence: 0.984852

00:09:02.495 --> 00:09:04.675 Now we're curing

NOTE Confidence: 0.984852

00:09:04.735 --> 00:09:06.895 virtually almost all children with

NOTE Confidence: 0.984852

00:09:06.895 --> 00:09:08.115 leukemia.

NOTE Confidence: 0.96641415

00:09:08.575 --> 00:09:10.115 We fortunately

NOTE Confidence: 0.96641415

00:09:10.335 --> 00:09:11.875 have amazing outcomes,

NOTE Confidence: 0.99739933

00:09:12.210 --> 00:09:13.410 and we have a lot

NOTE Confidence: 0.99739933

00:09:13.410 --> 00:09:14.950 of really great treatments.

NOTE Confidence: 0.99651986

00:09:16.290 --> 00:09:17.330 That's not to say that

NOTE Confidence: 0.99651986

00:09:17.330 --> 00:09:19.670 it isn't grueling. Leukemia treatment

NOTE Confidence: 0.99651986

00:09:19.890 --> 00:09:20.870 lasts over

NOTE Confidence: 0.9758167

00:09:21.170 --> 00:09:21.910 two years.

NOTE Confidence: 0.9852505

00:09:22.450 --> 00:09:24.370 So as compared with a

NOTE Confidence: 0.9852505

00:09:24.370 --> 00:09:26.165 lot of cancers in adults,

NOTE Confidence: 0.9895019

00:09:26.705 --> 00:09:27.905 you know, it's a

NOTE Confidence: 0.9895019

00:09:27.905 --> 00:09:29.184 lot of visits to the

NOTE Confidence: 0.9895019

00:09:29.184 --> 00:09:30.565 cancer clinic,

NOTE Confidence: 0.9832741

00:09:31.425 --> 00:09:32.565 a lot of hospitalizations,

NOTE Confidence: 0.97167176

00:09:33.265 --> 00:09:35.105 and especially in the first

NOTE Confidence: 0.97167176

00:09:35.105 --> 00:09:36.485 six months can be

NOTE Confidence: 0.9944003

00:09:36.785 --> 00:09:38.005 very, very intensive.

00:09:42.320 --> 00:09:44.020 And with this new targeted therapy,

NOTE Confidence: 0.9786982

00:09:44.400 --> 00:09:45.860 have you been able to

NOTE Confidence: 0.9786982

00:09:45.920 --> 00:09:47.120 peel back any of the

NOTE Confidence: 0.9786982

00:09:47.120 --> 00:09:48.559 other therapy, or is that

NOTE Confidence: 0.9786982

00:09:48.559 --> 00:09:49.780 a hope for the future?

NOTE Confidence: 0.9786982

00:09:49.920 --> 00:09:50.800 I think that's a hope

NOTE Confidence: 0.9786982

00:09:50.800 --> 00:09:51.760 for the future. It's a

NOTE Confidence: 0.9786982

00:09:51.760 --> 00:09:53.075 little too soon to tell.

00:09:54.115 --> 00:09:56.135 This particular therapy, blinatumumab,

00:09:58.355 --> 00:09:59.335 has been introduced

NOTE Confidence: 0.95842093

00:10:00.355 --> 00:10:02.215 in the setting of children

NOTE Confidence: 0.95842093

00:10:02.275 --> 00:10:04.595 with relapsed leukemia, and only

NOTE Confidence: 0.95842093

00:10:04.595 --> 00:10:06.035 recently in a trial in

NOTE Confidence: 0.95842093

00:10:06.035 --> 00:10:07.315 the last couple of years

NOTE Confidence: 0.95842093

00:10:07.315 --> 00:10:08.054 was introduced

NOTE Confidence: 0.9501523

00:10:08.459 --> 00:10:10.399 earlier on in cancer treatment.

NOTE Confidence: 0.9830063

00:10:11.019 --> 00:10:12.620 And it was the subject

NOTE Confidence: 0.9830063

00:10:12.620 --> 00:10:14.000 of a New England Journal

NOTE Confidence: 0.9622138

00:10:15.339 --> 00:10:16.639 paper in December,

NOTE Confidence: 0.96890664

00:10:17.500 --> 00:10:18.939 and a lot of media

NOTE Confidence: 0.96890664

00:10:18.939 --> 00:10:21.100 coverage because the outcomes in

NOTE Confidence: 0.96890664

00:10:21.100 --> 00:10:23.120 this trial that's still ongoing

NOTE Confidence: 0.9918521

00:10:23.925 --> 00:10:24.425 were

NOTE Confidence: 0.97230935

00:10:25.365 --> 00:10:27.605 so favorable towards children who

NOTE Confidence: 0.97230935

00:10:27.605 --> 00:10:28.745 had received blanatumumab

NOTE Confidence: 0.96737504

00:10:29.445 --> 00:10:31.125 upfront that they had to

NOTE Confidence: 0.96737504

00:10:31.125 --> 00:10:32.665 close the trial early.

NOTE Confidence: 0.9628676

00:10:33.365 --> 00:10:34.965 Wow.

NOTE Confidence: 0.9628676

00:10:34.965 --> 00:10:36.165 That's kind of amazing, and I

NOTE Confidence: 0.9628676

00:10:36.165 --> 00:10:37.285 think the hope would be

NOTE Confidence: 0.9628676

00:10:37.285 --> 00:10:38.565 to try to reduce some

00:10:39.899 --> 00:10:41.199 of the toxic chemotherapies

NOTE Confidence: 0.9897507

00:10:41.500 --> 00:10:43.519 because, you know, other chemo

NOTE Confidence: 0.9897507

00:10:43.819 --> 00:10:46.639 medications, unfortunately, can't differentiate between

NOTE Confidence: 0.9897507

00:10:46.860 --> 00:10:48.620 healthy cells and cancer cells.

NOTE Confidence: 0.9897507

00:10:48.620 --> 00:10:49.579 We have very

NOTE Confidence: 0.9897507

00:10:49.579 --> 00:10:51.100 few targeted therapies that are

NOTE Confidence: 0.9897507

00:10:51.100 --> 00:10:52.540 shown to be effective in

NOTE Confidence: 0.9897507

00:10:52.540 --> 00:10:54.925 pediatric cancers. And so, you

NOTE Confidence: 0.9897507

00:10:54.925 --> 00:10:56.205 know, now that we know

NOTE Confidence: 0.9897507

00:10:56.205 --> 00:10:57.645 this, the idea would be

NOTE Confidence: 0.9897507

00:10:57.645 --> 00:10:58.625 to try to remove

NOTE Confidence: 0.9883564

00:10:59.005 --> 00:11:00.525 or minimize some of those

NOTE Confidence: 0.9883564

00:11:00.525 --> 00:11:02.865 more toxic chemotherapies

00:11:04.605 --> 00:11:06.305 that have long term side effects.

NOTE Confidence: 0.9966685

00:11:07.080 --> 00:11:09.000 And apart from leukemias and

NOTE Confidence: 0.9966685

00:11:09.000 --> 00:11:09.500 lymphomas,

NOTE Confidence: 0.9847155

00:11:10.200 --> 00:11:11.720 the other cancers in kids

00:11:13.320 --> 00:11:14.780 that strikes me that cancers

NOTE Confidence: 0.99230814

00:11:15.480 --> 00:11:17.320 that involve the brain are

NOTE Confidence: 0.99230814

00:11:17.320 --> 00:11:18.140 pretty common.

NOTE Confidence: 0.9991108

00:11:18.760 --> 00:11:20.220 They're not very common.

NOTE Confidence: 0.9983871

00:11:21.080 --> 00:11:22.934 What's unfortunate about a lot

NOTE Confidence: 0.9983871

00:11:22.934 --> 00:11:24.635 of brain tumors in children

NOTE Confidence: 0.9983871

00:11:24.775 --> 00:11:25.515 is that

NOTE Confidence: 0.99834454

00:11:25.895 --> 00:11:28.154 they are often not curable.

NOTE Confidence: 0.85826945

00:11:28.695 --> 00:11:30.214 And so that's

NOTE Confidence: 0.85826945

00:11:30.214 --> 00:11:31.335 why we just hear about

NOTE Confidence: 0.85826945

00:11:31.335 --> 00:11:32.695 them a lot.

NOTE Confidence: 0.85826945

00:11:32.695 --> 00:11:34.135 Yeah. And the same goes,

NOTE Confidence: 0.85826945

00:11:34.135 --> 00:11:34.635 unfortunately,

NOTE Confidence: 0.9757892

00:11:35.150 --> 00:11:37.230 for solid tumors. Sometimes they

NOTE Confidence: 0.9757892

00:11:37.230 --> 00:11:39.170 can behave more aggressively,

NOTE Confidence: 0.9415621

00:11:39.470 --> 00:11:41.550 especially in adolescents and young

NOTE Confidence: 0.9415621

00:11:41.550 --> 00:11:42.050 adults.

NOTE Confidence: 0.99126756

00:11:43.070 --> 00:11:45.309 But fortunately, brain tumors and

NOTE Confidence: 0.99126756

00:11:45.309 --> 00:11:46.830 solid tumors outside of the

NOTE Confidence: 0.99126756

00:11:46.830 --> 00:11:48.315 brain are very, very rare.

NOTE Confidence: 0.99126756

00:11:48.475 --> 00:11:49.595 And is that just because

NOTE Confidence: 0.99126756

00:11:49.595 --> 00:11:51.275 everything apart from leukemia and

NOTE Confidence: 0.99126756

00:11:51.275 --> 00:11:52.575 lymphoma is rare?

NOTE Confidence: 0.98022264

00:11:53.275 --> 00:11:54.635 I think so.

00:11:55.915 --> 00:11:56.975 There's leukemia and lymphoma,

24

NOTE Confidence: 0.94366026

00:11:57.515 --> 00:11:59.115 and they're really one and two

00:12:00.475 --> 00:12:01.995 then there isn't really three.

NOTE Confidence: 0.94366026

00:12:01.995 --> 00:12:03.695 Everything else is like ten.

NOTE Confidence: 0.99856627

00:12:04.000 --> 00:12:06.260 That's right.

00:12:09.600 --> 00:12:11.280 I know that the treatment

NOTE Confidence: 0.98641866

00:12:11.280 --> 00:12:13.200 of children who have various

NOTE Confidence: 0.98641866

00:12:13.200 --> 00:12:14.660 types of brain tumors

NOTE Confidence: 0.99964

00:12:15.120 --> 00:12:16.580 can be quite challenging.

NOTE Confidence: 0.99881047

00:12:17.295 --> 00:12:18.515 That's right. Yeah.

NOTE Confidence: 0.99579406

00:12:19.455 --> 00:12:20.895 And, you know, the other

NOTE Confidence: 0.99579406

00:12:20.895 --> 00:12:22.335 thing that I think

NOTE Confidence: 0.99579406

00:12:22.335 --> 00:12:23.615 that people have become more

NOTE Confidence: 0.99579406

00:12:23.615 --> 00:12:25.615 and more aware of over

NOTE Confidence: 0.99579406

00:12:25.615 --> 00:12:26.274 the last

NOTE Confidence: 0.9990897

00:12:28.415 --> 00:12:29.795 decade or more

NOTE Confidence: 0.99949217

00:12:30.500 --> 00:12:32.100 is that there can be

NOTE Confidence: 0.99949217

00:12:32.100 --> 00:12:33.160 long term consequences

00:12:35.700 --> 00:12:36.600 of this therapy.

NOTE Confidence: 0.9904684

00:12:37.620 --> 00:12:39.140 And for that matter, people

NOTE Confidence: 0.9904684

00:12:39.140 --> 00:12:40.820 can get second cancers both

NOTE Confidence: 0.9904684

00:12:40.820 --> 00:12:42.339 from the therapy and perhaps

NOTE Confidence: 0.9904684

00:12:42.339 --> 00:12:43.720 because they have some predisposition.

NOTE Confidence: 0.9984107

00:12:46.035 --> 00:12:47.735 That's right. The long term

00:12:50.355 --> 00:12:50.855 consequences

NOTE Confidence: 0.9989252

00:12:51.235 --> 00:12:52.915 that we worry about the

NOTE Confidence: 0.9989252

00:12:52.915 --> 00:12:54.054 most are

NOTE Confidence: 0.97860616

00:12:54.834 --> 00:12:56.134 infertility, unfortunately.

NOTE Confidence: 0.98354435

00:12:56.514 --> 00:12:58.295 So for boys and men,

NOTE Confidence: 0.98354435

00:12:58.355 --> 00:13:00.320 low sperm count. For girls

NOTE Confidence: 0.98354435

00:13:00.320 --> 00:13:01.300 and young women,

NOTE Confidence: 0.9741606

00:13:01.679 --> 00:13:03.620 premature ovarian insufficiency.

00:13:04.880 --> 00:13:05.700 Unfortunately,

NOTE Confidence: 0.99936706

00:13:06.559 --> 00:13:07.059 early

NOTE Confidence: 0.9823425

00:13:07.360 --> 00:13:08.400 sort of failure of the

NOTE Confidence: 0.9823425

00:13:08.400 --> 00:13:10.420 ovaries to function.

00:13:13.120 --> 00:13:14.480 It depends a little bit

NOTE Confidence: 0.95602417

00:13:14.480 --> 00:13:15.675 on what sorts of treatments

NOTE Confidence: 0.95602417

00:13:15.675 --> 00:13:17.115 you've received. So we worry

NOTE Confidence: 0.95602417

00:13:17.115 --> 00:13:18.015 about radiation

NOTE Confidence: 0.9954457

00:13:18.395 --> 00:13:19.855 related growth challenges,

NOTE Confidence: 0.98178154

00:13:20.635 --> 00:13:22.315 bone health in cancers that

NOTE Confidence: 0.98178154

00:13:22.315 --> 00:13:23.195 we treat with a lot

NOTE Confidence: 0.98178154

00:13:23.195 --> 00:13:23.934 of steroids.

NOTE Confidence: 0.9883604

00:13:24.715 --> 00:13:25.835 A lot of those side

NOTE Confidence: 0.9883604

00:13:25.835 --> 00:13:27.215 effects are manageable

NOTE Confidence: 0.99596536

00:13:28.350 --> 00:13:30.690 with lifestyle changes, with medications,

NOTE Confidence: 0.99898493

00:13:31.309 --> 00:13:32.770 and with close follow-up.

NOTE Confidence: 0.97110623

00:13:33.870 --> 00:13:35.570 The risk of a second

NOTE Confidence: 0.97110623

00:13:35.710 --> 00:13:38.190 cancer related to chemotherapy is

NOTE Confidence: 0.97110623

00:13:38.190 --> 00:13:40.210 pretty low. We estimate probably

NOTE Confidence: 0.97110623

00:13:40.270 --> 00:13:41.630 less than one percent of

NOTE Confidence: 0.97110623

00:13:41.630 --> 00:13:42.130 children

NOTE Confidence: 0.9910278

00:13:42.684 --> 00:13:43.885 will have that, but that's

NOTE Confidence: 0.9910278

00:13:43.885 --> 00:13:45.405 why it's just so critically

NOTE Confidence: 0.9910278

00:13:45.405 --> 00:13:47.005 important even after a child

NOTE Confidence: 0.9910278

00:13:47.005 --> 00:13:48.445 is done with treatment to

NOTE Confidence: 0.9910278

00:13:48.445 --> 00:13:50.285 continue to follow-up really closely

NOTE Confidence: 0.9910278

00:13:50.285 --> 00:13:51.565 with their doctors and their

NOTE Confidence: 0.9910278

00:13:51.565 --> 00:13:52.465 medical team.

NOTE Confidence: 0.9995539

00:13:53.245 --> 00:13:54.545 Well, that's really helpful.

NOTE Confidence: 0.9969477

00:13:55.405 --> 00:13:56.945 I'm certainly getting educated.

NOTE Confidence: 0.9820186

00:13:58.472 --> 00:13:59.140 I think we're gonna

NOTE Confidence: 0.9820186

00:13:59.140 --> 00:14:00.920 take a one minute break,

NOTE Confidence: 0.9820186

00:14:01.140 --> 00:14:03.140 and then we'll be back

NOTE Confidence: 0.9820186

00:14:03.140 --> 00:14:04.980 and proceed with the

NOTE Confidence: 0.9820186

00:14:04.980 --> 00:14:06.280 second half of the show.

NOTE Confidence: 0.9550252

00:14:06.740 --> 00:14:08.420 Funding for Yale Cancer Answers

NOTE Confidence: 0.9550252

00:14:08.420 --> 00:14:10.360 comes from Smilow Cancer Hospital,

NOTE Confidence: 0.9570273

00:14:10.715 --> 00:14:12.315 where the Lung Cancer Screening

NOTE Confidence: 0.9570273

00:14:12.315 --> 00:14:14.075 Program provides screening to those

NOTE Confidence: 0.9570273

00:14:14.075 --> 00:14:15.535 at risk for lung cancer

NOTE Confidence: 0.9570273

00:14:15.675 --> 00:14:16.575 and individualized

NOTE Confidence: 0.9721426

00:14:16.955 --> 00:14:18.255 state of the art evaluation

NOTE Confidence: 0.9721426

00:14:18.395 --> 00:14:19.375 of lung nodules.

NOTE Confidence: 0.9647027

00:14:19.915 --> 00:14:21.535 To learn more, visit smilowcancerhospital

NOTE Confidence: 0.99531627

00:14:22.555 --> 00:14:23.295 dot org.

NOTE Confidence: 0.9624065

00:14:25.060 --> 00:14:26.580 There are many obstacles to

NOTE Confidence: 0.9624065

00:14:26.580 --> 00:14:28.260 face when quitting smoking as

NOTE Confidence: 0.9624065

00:14:28.260 --> 00:14:29.860 smoking involves the potent drug

NOTE Confidence: 0.9624065

00:14:29.860 --> 00:14:30.360 nicotine.

NOTE Confidence: 0.99236345

00:14:31.140 --> 00:14:32.420 Quitting smoking is a very

NOTE Confidence: 0.99236345

00:14:32.420 --> 00:14:34.740 important lifestyle change especially for

NOTE Confidence: 0.99236345

00:14:34.740 --> 00:14:37.065 patients undergoing cancer treatment as

NOTE Confidence: 0.99236345

00:14:37.065 --> 00:14:38.525 it's been shown to positively

NOTE Confidence: 0.99236345

00:14:38.745 --> 00:14:40.365 impact response to treatments,

NOTE Confidence: 0.9944867

00:14:40.825 --> 00:14:42.505 decrease the likelihood that patients

NOTE Confidence: 0.9944867

00:14:42.505 --> 00:14:44.045 will develop second malignancies,

NOTE Confidence: 0.9947817

00:14:44.585 --> 00:14:46.205 and increase rates of survival.

NOTE Confidence: 0.9680585

00:14:46.825 --> 00:14:48.825 Tobacco treatment programs are currently

NOTE Confidence: 0.9680585

00:14:48.825 --> 00:14:50.605 being offered at federally designated

NOTE Confidence: 0.9680585

00:14:50.825 --> 00:14:53.190 comprehensive cancer centers, such as

NOTE Confidence: 0.9680585

00:14:53.190 --> 00:14:54.710 Yale Cancer Center and

NOTE Confidence: 0.9680585

00:14:54.710 --> 00:14:56.010 Smilow Cancer Hospital.

NOTE Confidence: 0.96876794

00:14:56.710 --> 00:14:58.650 All treatment components are evidence

NOTE Confidence: 0.96876794

00:14:58.710 --> 00:15:00.470 based and patients are treated

NOTE Confidence: 0.96876794

00:15:00.470 --> 00:15:02.310 with FDA approved first line

NOTE Confidence: 0.96876794

00:15:02.310 --> 00:15:02.810 medications

NOTE Confidence: 0.9817993

00:15:03.350 --> 00:15:04.890 as well as smoking cessation

NOTE Confidence: 0.9817993

00:15:04.950 --> 00:15:07.270 counseling that stresses appropriate coping

NOTE Confidence: 0.9817993

00:15:07.270 --> 00:15:07.770 skills.

NOTE Confidence: 0.96317226

00:15:08.355 --> 00:15:10.035 More information is available at

NOTE Confidence: 0.96317226

00:15:10.035 --> 00:15:11.735 yale cancer center dot org.

NOTE Confidence: 0.96317226

00:15:11.955 --> 00:15:13.715 You're listening to Connecticut Public

NOTE Confidence: 0.96317226

00:15:13.715 --> 00:15:14.215 Radio.

NOTE Confidence: 0.95036495

00:15:15.635 --> 00:15:16.995 This is Eric Winer with

NOTE Confidence: 0.95036495

00:15:16.995 --> 00:15:18.915 Yale Cancer Answers, and I'm

NOTE Confidence: 0.95036495

00:15:18.915 --> 00:15:20.695 back with our guest,

NOTE Confidence: 0.8835802

00:15:21.235 --> 00:15:23.255 doctor Prasanna Ananth,

NOTE Confidence: 0.91611254

00:15:24.040 --> 00:15:25.100 who is a pediatric

NOTE Confidence: 0.9987533

00:15:25.880 --> 00:15:26.380 hematologist

NOTE Confidence: 0.9895497

00:15:26.760 --> 00:15:28.360 oncologist. We've been talking about

NOTE Confidence: 0.9895497

00:15:28.360 --> 00:15:29.500 pediatric cancer.

NOTE Confidence: 0.9955289

00:15:29.800 --> 00:15:31.160 We're gonna talk just a

NOTE Confidence: 0.9955289

00:15:31.160 --> 00:15:32.280 little bit more about that,

NOTE Confidence: 0.9955289

00:15:32.280 --> 00:15:33.240 and then we're gonna get

NOTE Confidence: 0.9955289

00:15:33.240 --> 00:15:34.700 into some of her research.

NOTE Confidence: 0.9167426

00:15:36.144 --> 00:15:37.185 I just wanted to ask

NOTE Confidence: 0.9167426

00:15:37.185 --> 00:15:37.665 youm about

NOTE Confidence: 0.998872

00:15:39.024 --> 00:15:40.805 pediatric cancer survivorship

NOTE Confidence: 0.9990884

00:15:41.185 --> 00:15:41.685 programs

NOTE Confidence: 0.92717004

00:15:42.305 --> 00:15:43.605 and what has become

NOTE Confidence: 0.9995003

00:15:44.625 --> 00:15:45.365 the standard

NOTE Confidence: 0.86764395

00:15:45.745 --> 00:15:46.485 these days,

NOTE Confidence: 0.96867776

00:15:47.665 --> 00:15:49.285 and finally,

NOTE Confidence: 0.9970867

00:15:50.050 --> 00:15:51.730 how you think about the

NOTE Confidence: 0.9970867

00:15:51.730 --> 00:15:53.510 transition to adulthood

NOTE Confidence: 0.9675089

00:15:54.210 --> 00:15:54.710 when

NOTE Confidence: 0.98668605

00:15:55.250 --> 00:15:56.370 people who have been seeing

NOTE Confidence: 0.98668605

00:15:56.370 --> 00:15:57.810 their pediatrician for a long,

NOTE Confidence: 0.98668605

00:15:57.810 --> 00:15:58.550 long time

NOTE Confidence: 0.95953685

00:15:59.090 --> 00:16:00.530 are twenty six years old

NOTE Confidence: 0.95953685

00:16:00.530 --> 00:16:01.410 and still going to the

NOTE Confidence: 0.95953685

00:16:01.410 --> 00:16:02.390 children's hospital.

NOTE Confidence: 0.9433272

00:16:03.375 --> 00:16:05.075 Yeah. So it's interesting.

NOTE Confidence: 0.99985635

00:16:05.775 --> 00:16:06.275 Survivorship

NOTE Confidence: 0.97920966

00:16:07.295 --> 00:16:09.155 care has really evolved.

NOTE Confidence: 0.994378

00:16:10.415 --> 00:16:11.235 It is

NOTE Confidence: 0.9703687

00:16:11.695 --> 00:16:13.555 conceived of as very interdisciplinary.

NOTE Confidence: 0.9992548

00:16:14.095 --> 00:16:16.255 So most survivorship clinics are

NOTE Confidence: 0.9992548

00:16:16.255 --> 00:16:17.235 staffed by

NOTE Confidence: 0.99903893

00:16:17.730 --> 00:16:19.110 physicians, nurse practitioners,

NOTE Confidence: 0.8909319

00:16:19.490 --> 00:16:19.990 dietitians,

NOTE Confidence: 0.9988517

00:16:20.529 --> 00:16:21.029 psychologists,

NOTE Confidence: 0.99312055

00:16:22.130 --> 00:16:22.630 endocrinologists,

NOTE Confidence: 0.9102467

00:16:23.570 --> 00:16:24.070 cardiologists.

NOTE Confidence: 0.9083905

00:16:25.250 --> 00:16:26.790 I think there's a

NOTE Confidence: 0.9083905

00:16:26.930 --> 00:16:27.430 general

NOTE Confidence: 0.9991907

00:16:29.170 --> 00:16:31.430 consensus in the field that

NOTE Confidence: 0.99982893

00:16:32.635 --> 00:16:33.135 survivorship

NOTE Confidence: 0.9999192

00:16:33.915 --> 00:16:34.415 requires

NOTE Confidence: 0.998382

00:16:34.795 --> 00:16:36.095 all of this interdisciplinary

NOTE Confidence: 0.9918823

00:16:36.795 --> 00:16:38.415 input and that the effects

NOTE Confidence: 0.9918823

00:16:38.555 --> 00:16:40.875 of childhood cancer can really

NOTE Confidence: 0.9918823

00:16:40.875 --> 00:16:41.375 last.

NOTE Confidence: 0.9818749

00:16:43.274 --> 00:16:44.555 So one of

NOTE Confidence: 0.9818749

00:16:44.555 --> 00:16:46.175 the things that I find

NOTE Confidence: 0.9818749

00:16:46.315 --> 00:16:47.135 a lot of

NOTE Confidence: 0.9979783

00:16:48.070 --> 00:16:48.950 folks who take care of

NOTE Confidence: 0.9979783

00:16:48.950 --> 00:16:50.890 adults are really surprised by

NOTE Confidence: 0.9979783

00:16:51.190 --> 00:16:52.230 is that we take care

NOTE Confidence: 0.9979783

00:16:52.230 --> 00:16:52.970 of children

NOTE Confidence: 0.9915824

00:16:53.589 --> 00:16:55.830 anywhere from birth all the

NOTE Confidence: 0.9915824

00:16:55.830 --> 00:16:57.110 way until they fall off

NOTE Confidence: 0.9915824

00:16:57.110 --> 00:16:58.710 their parents' health insurance. So

NOTE Confidence: 0.9915824

00:16:58.710 --> 00:17:00.230 we sometimes take care of

NOTE Confidence: 0.9915824

00:17:00.230 --> 00:17:00.730 adults.

NOTE Confidence: 0.99780655

00:17:01.270 --> 00:17:01.930 In fact,

NOTE Confidence: 0.95520294

00:17:02.334 --> 00:17:03.535 I had on my list

NOTE Confidence: 0.95520294

00:17:03.535 --> 00:17:05.715 a patient who is

NOTE Confidence: 0.9370558

00:17:06.895 --> 00:17:08.655 a childhood cancer survivor who

NOTE Confidence: 0.9370558

00:17:08.655 --> 00:17:10.115 is thirty years old.

NOTE Confidence: 0.99967206

00:17:10.734 --> 00:17:11.855 And I can't say that

NOTE Confidence: 0.99967206

00:17:11.855 --> 00:17:12.595 I feel

NOTE Confidence: 0.9998999

00:17:13.054 --> 00:17:14.115 entirely comfortable

NOTE Confidence: 0.99570465

00:17:14.415 --> 00:17:15.695 taking care of thirty year

NOTE Confidence: 0.99570465

00:17:15.695 --> 00:17:16.050 olds,

NOTE Confidence: 0.9991509

00:17:16.530 --> 00:17:17.330 you know, because there's a

NOTE Confidence: 0.9991509

00:17:17.330 --> 00:17:18.530 lot of other chronic health

NOTE Confidence: 0.9991509

00:17:18.530 --> 00:17:19.730 problems that I don't have

NOTE Confidence: 0.9991509

00:17:19.730 --> 00:17:21.750 the skills to necessarily manage.

NOTE Confidence: 0.9903639

00:17:22.210 --> 00:17:24.369 However, we really rely heavily

NOTE Confidence: 0.9903639

00:17:24.369 --> 00:17:25.570 upon our colleagues in the

NOTE Confidence: 0.9903639

00:17:25.570 --> 00:17:26.290 adult world.

NOTE Confidence: 0.9946555

00:17:26.690 --> 00:17:27.190 And for most survivors

00:17:29.090 --> 00:17:31.090 they continue to come

NOTE Confidence: 0.99477094

00:17:31.090 --> 00:17:32.385 back at least to the

NOTE Confidence: 0.99477094

00:17:32.385 --> 00:17:34.545 survivorship clinic at least once

NOTE Confidence: 0.99477094

00:17:34.545 --> 00:17:35.125 a year

NOTE Confidence: 0.9851986

00:17:35.425 --> 00:17:37.505 for many years after cancer

NOTE Confidence: 0.9851986

00:17:37.505 --> 00:17:39.825 therapy. So it depends

NOTE Confidence: 0.9851986

00:17:39.825 --> 00:17:40.705 a little bit on what

NOTE Confidence: 0.9851986

00:17:40.705 --> 00:17:42.085 type of cancer you've had,

NOTE Confidence: 0.9810664

00:17:42.785 --> 00:17:44.305 but for most children with

NOTE Confidence: 0.9810664

00:17:44.305 --> 00:17:45.585 cancer, they come back at

NOTE Confidence: 0.9810664

00:17:45.585 --> 00:17:46.830 least in the first several

NOTE Confidence: 0.9810664

00:17:46.830 --> 00:17:48.830 years very frequently to the

NOTE Confidence: 0.9810664

00:17:48.830 --> 00:17:50.910 oncology clinic. And we do

NOTE Confidence: 0.9810664

00:17:50.910 --> 00:17:52.530 labs, we do an exam,

NOTE Confidence: 0.98498696

00:17:53.150 --> 00:17:55.250 and carefully monitor for recurrence

NOTE Confidence: 0.98498696

00:17:55.309 --> 00:17:56.590 of that cancer and for

NOTE Confidence: 0.98498696

00:17:56.590 --> 00:17:57.789 any of the side effects

NOTE Confidence: 0.98498696

00:17:57.789 --> 00:17:59.330 and counsel around

NOTE Confidence: 0.9988477

00:17:59.994 --> 00:18:01.294 late effects as well.

NOTE Confidence: 0.95405865

00:18:02.475 --> 00:18:04.575 Usually, about two years

NOTE Confidence: 0.9995037

00:18:04.875 --> 00:18:06.794 after they've completed therapy, we

NOTE Confidence: 0.9995037

00:18:06.794 --> 00:18:08.395 will also refer them to

NOTE Confidence: 0.9995037

00:18:08.395 --> 00:18:10.554 our dedicated survivorship clinic for

NOTE Confidence: 0.9995037

00:18:10.554 --> 00:18:11.855 some added counseling

NOTE Confidence: 0.9998618

00:18:12.155 --> 00:18:13.615 and guidance around

NOTE Confidence: 0.99578255

00:18:14.250 --> 00:18:15.690 specific late effects to be

NOTE Confidence: 0.99578255

00:18:15.690 --> 00:18:16.510 aware of.

NOTE Confidence: 0.95767677

00:18:17.130 --> 00:18:19.130 And then at about five

NOTE Confidence: 0.95767677

00:18:19.130 --> 00:18:20.750 years out, we can often

NOTE Confidence: 0.95767677

00:18:20.810 --> 00:18:22.410 start to see patients once

NOTE Confidence: 0.95767677

00:18:22.410 --> 00:18:23.630 a year in our clinic and

00:18:25.130 --> 00:18:26.890 try to transition, especially for

NOTE Confidence: 0.98363286

00:18:26.890 --> 00:18:28.490 those adolescents and young adults,

NOTE Confidence: 0.98363286

00:18:28.490 --> 00:18:29.609 you know, people that are

NOTE Confidence: 0.98363286

00:18:29.609 --> 00:18:31.665 at college or working, etcetera,

NOTE Confidence: 0.99116063

00:18:32.285 --> 00:18:33.665 who may have some difficulty

NOTE Confidence: 0.99116063

00:18:33.805 --> 00:18:35.485 coming to appointments regularly, we

NOTE Confidence: 0.99116063

00:18:35.485 --> 00:18:36.925 try to transition some of

NOTE Confidence: 0.99116063

00:18:36.925 --> 00:18:38.685 that care to primary care

NOTE Confidence: 0.99116063

00:18:38.685 --> 00:18:39.185 providers.

NOTE Confidence: 0.9941364

00:18:40.605 --> 00:18:42.365 And what I will say

NOTE Confidence: 0.9941364

00:18:42.365 --> 00:18:44.440 is that different primary care

NOTE Confidence: 0.9941364

00:18:44.440 --> 00:18:46.520 providers have differing levels of

NOTE Confidence: 0.9941364

00:18:46.520 --> 00:18:47.660 comfort with that.

NOTE Confidence: 0.9485813

00:18:48.119 --> 00:18:50.280 So some feel perfectly fine

NOTE Confidence: 0.9485813

00:18:50.280 --> 00:18:51.800 with receiving the

NOTE Confidence: 0.9485813

00:18:51.800 --> 00:18:53.560 guidelines and managing the sort

NOTE Confidence: 0.9485813

00:18:53.560 --> 00:18:54.940 of long term care,

NOTE Confidence: 0.95328736

00:18:55.400 --> 00:18:57.080 and others aren't as familiar

NOTE Confidence: 0.95328736

00:18:57.080 --> 00:18:58.655 with that. And that's very

NOTE Confidence: 0.95328736

00:18:58.655 --> 00:19:00.095 understandable. And so that's why

NOTE Confidence: 0.95328736

00:19:00.095 --> 00:19:02.255 the survivorship clinic exists to

NOTE Confidence: 0.95328736

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00:19:02.255 --> 00:19:03.715 be able to help support

NOTE Confidence: 0.99856

00:19:04.015 --> 00:19:05.535 those primary care doctors in

NOTE Confidence: 0.99856

00:19:05.535 --> 00:19:06.275 that multidisciplinary

NOTE Confidence: 0.98684835

00:19:06.734 --> 00:19:08.175 way.

NOTE Confidence: 0.98684835

00:19:08.175 --> 00:19:09.775 Primary care doctors are

NOTE Confidence: 0.98684835

00:19:09.775 --> 00:19:10.655 under a great deal of

NOTE Confidence: 0.98684835

00:19:10.655 --> 00:19:12.015 stress these days. They have

NOTE Confidence: 0.98684835

00:19:12.015 --> 00:19:14.039 fifteen minutes to

NOTE Confidence: 0.98684835

00:19:14.039 --> 00:19:15.500 see a patient and

00:19:17.640 --> 00:19:19.419 I think over time,

NOTE Confidence: 0.97978026

00:19:19.480 --> 00:19:19.980 it's

NOTE Confidence: 0.9960802

00:19:20.519 --> 00:19:21.500 probably likely

NOTE Confidence: 0.9833134

00:19:21.960 --> 00:19:23.159 that they'll be less and

NOTE Confidence: 0.9833134

00:19:23.159 --> 00:19:24.760 less comfortable in this

NOTE Confidence: 0.9833134

00:19:24.760 --> 00:19:25.260 arena.

NOTE Confidence: 0.9948882

00:19:25.640 --> 00:19:28.059 That's right. But, we'll see.

NOTE Confidence: 0.97286505

00:19:29.695 --> 00:19:30.434 As we

NOTE Confidence: 0.9946646

00:19:30.815 --> 00:19:32.575 segue into your research, I

NOTE Confidence: 0.9946646

00:19:32.575 --> 00:19:34.115 just wanna ask one other

NOTE Confidence: 0.9946646

00:19:34.174 --> 00:19:34.674 question

NOTE Confidence: 0.98788005

00:19:35.375 --> 00:19:37.135 that's more general, which is

NOTE Confidence: 0.98788005

00:19:37.135 --> 00:19:38.274 about the families

NOTE Confidence: 0.9745013

00:19:40.335 --> 00:19:41.794 and what this is like

NOTE Confidence: 0.9745013

00:19:41.934 --> 00:19:43.794 for a family. I mean,

NOTE Confidence: 0.99933356

00:19:44.730 --> 00:19:46.430 I can only imagine

NOTE Confidence: 0.9027254

00:19:47.210 --> 00:19:48.190 as a parent

NOTE Confidence: 0.9957203

00:19:48.490 --> 00:19:49.450 what it would be like

NOTE Confidence: 0.9957203

00:19:49.450 --> 00:19:51.150 to have my child diagnosed

NOTE Confidence: 0.9957203

00:19:51.369 --> 00:19:53.310 with any serious illness

NOTE Confidence: 0.8956056

00:19:53.770 --> 00:19:54.750 and in particular

NOTE Confidence: 0.8118563

00:19:55.290 --> 00:19:55.790 cancer.

NOTE Confidence: 0.99366844

00:19:58.105 --> 00:19:59.645 Well, it's as you

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NOTE Confidence: 0.99724436

00:20:00.025 --> 00:20:01.645 stated, it's unimaginably

NOTE Confidence: 0.99655074

00:20:02.185 --> 00:20:03.405 difficult for families.

NOTE Confidence: 0.99747366

00:20:04.505 --> 00:20:06.365 We know that cancer

NOTE Confidence: 0.99747366

00:20:06.425 --> 00:20:06.925 treatment

NOTE Confidence: 0.997221

00:20:07.305 --> 00:20:07.805 disrupts

NOTE Confidence: 0.8767219

00:20:08.899 --> 00:20:10.039 family financial,

NOTE Confidence: 0.9362055

00:20:11.940 --> 00:20:12.440 stability.

NOTE Confidence: 0.96632195

00:20:13.299 --> 00:20:15.700 Sometimes families experience food and

NOTE Confidence: 0.96632195

00:20:15.700 --> 00:20:16.600 housing instability.

NOTE Confidence: 0.9603967

00:20:17.940 --> 00:20:19.720 You know, many families

NOTE Confidence: 0.9603967

00:20:19.940 --> 00:20:20.919 can't work.

NOTE Confidence: 0.94446254

00:20:22.965 --> 00:20:23.925 The other children in

NOTE Confidence: 0.94446254

00:20:23.925 --> 00:20:25.545 the household will be

NOTE Confidence: 0.9962407

00:20:26.085 --> 00:20:26.905 undoubtedly

NOTE Confidence: 0.98188156

00:20:27.205 --> 00:20:29.305 affected, and so it is

NOTE Confidence: 0.98188156

00:20:29.445 --> 00:20:30.825 a whole family

NOTE Confidence: 0.98188156

00:20:30.965 --> 00:20:31.465 disruption.

00:20:33.605 --> 00:20:35.145 And when you talk to someone

NOTE Confidence: 0.99237144

00:20:35.340 --> 00:20:36.619 who had a sibling with

NOTE Confidence: 0.99237144

00:20:36.619 --> 00:20:37.119 cancer

NOTE Confidence: 0.93665344

00:20:37.580 --> 00:20:38.480 as an adult,

NOTE Confidence: 0.9973477

00:20:39.340 --> 00:20:41.020 I've always

NOTE Confidence: 0.9973477

00:20:41.020 --> 00:20:42.779 been struck that so

NOTE Confidence: 0.9973477

00:20:42.779 --> 00:20:44.480 much a part of their childhood

NOTE Confidence: 0.93877625

00:20:44.940 --> 00:20:46.799 is their sibling who had

NOTE Confidence: 0.93877625

00:20:46.859 --> 00:20:48.299 the cancer no matter

NOTE Confidence: 0.93877625

00:20:48.299 --> 00:20:49.679 what happened with that sibling.

NOTE Confidence: 0.9417789

00:20:50.044 --> 00:20:51.164 Right. I mean, it is

NOTE Confidence: 0.9417789

00:20:51.164 --> 00:20:52.684 a whole family

NOTE Confidence: 0.9417789

00:20:52.684 --> 00:20:54.365 experience. And in part, I

NOTE Confidence: 0.9417789

00:20:54.365 --> 00:20:55.244 think for a lot of

NOTE Confidence: 0.9417789

00:20:55.244 --> 00:20:56.445 us who work in this

NOTE Confidence: 0.9417789

00:20:56.445 --> 00:20:56.945 world,

NOTE Confidence: 0.9991382

00:20:57.325 --> 00:20:59.424 this is what is both

NOTE Confidence: 0.99574

00:20:59.885 --> 00:21:02.065 most challenging about this work

NOTE Confidence: 0.99574

00:21:02.125 --> 00:21:02.625 and

NOTE Confidence: 0.9998624

00:21:03.005 --> 00:21:04.065 the most inspiring.

NOTE Confidence: 0.9955885

00:21:04.470 --> 00:21:05.510 I mean, I went

NOTE Confidence: 0.9955885

00:21:05.510 --> 00:21:07.590 into this field primarily because

NOTE Confidence: 0.9955885

00:21:07.590 --> 00:21:08.890 it was such a beautiful

NOTE Confidence: 0.9955885

00:21:08.950 --> 00:21:10.730 opportunity to be able to

NOTE Confidence: 0.9955885

00:21:10.869 --> 00:21:12.730 shepherd families through their treatment

NOTE Confidence: 0.9955885

00:21:12.950 --> 00:21:14.390 and to sit with them

NOTE Confidence: 0.9955885

00:21:14.390 --> 00:21:15.210 in their grief,

NOTE Confidence: 0.99735713

00:21:15.669 --> 00:21:16.809 and really

NOTE Confidence: 0.9883523

00:21:17.875 --> 00:21:19.155 be a part of an

NOTE Confidence: 0.9883523

00:21:19.155 --> 00:21:21.955 extremely difficult experience for

NOTE Confidence: 0.9883523

00:21:21.955 --> 00:21:22.775 many families.

NOTE Confidence: 0.9986126

00:21:23.315 --> 00:21:24.294 And that longitudinal

NOTE Confidence: 0.9908887

00:21:25.395 --> 00:21:27.575 relationship is really, really important

NOTE Confidence: 0.9908887

00:21:27.635 --> 00:21:28.615 and very fulfilling.

NOTE Confidence: 0.9794549

00:21:30.195 --> 00:21:30.695 So

NOTE Confidence: 0.99978113

00:21:31.750 --> 00:21:32.570 the good news

NOTE Confidence: 0.98908675

00:21:33.270 --> 00:21:34.730 is most children with cancer

NOTE Confidence: 0.888764

00:21:35.590 --> 00:21:36.090 survive,

NOTE Confidence: 0.98457175

00:21:36.869 --> 00:21:38.809 and the majority of those

NOTE Confidence: 0.98457175

00:21:39.029 --> 00:21:41.270 survive well and go on

NOTE Confidence: 0.98457175

00:21:41.270 --> 00:21:42.010 and lead

NOTE Confidence: 0.9986159

00:21:43.590 --> 00:21:44.730 very full lives.

NOTE Confidence: 0.8992801

00:21:45.875 --> 00:21:46.534 The

NOTE Confidence: 0.9977369

00:21:46.835 --> 00:21:48.034 bad news is that some

NOTE Confidence: 0.9977369

00:21:48.034 --> 00:21:49.315 of them don't. It's a

NOTE Confidence: 0.9977369

00:21:49.315 --> 00:21:51.575 small proportion, but they exist.

NOTE Confidence: 0.9967391

00:21:52.355 --> 00:21:54.054 And your research has focused

NOTE Confidence: 0.9967391

00:21:54.115 --> 00:21:54.615 on

NOTE Confidence: 0.99981403

00:21:55.154 --> 00:21:56.215 how we care

NOTE Confidence: 0.99969876

00:21:56.835 --> 00:21:57.815 for those

NOTE Confidence: 0.9975471

00:21:58.580 --> 00:22:00.840 patients and families, those children

NOTE Confidence: 0.9975471

00:22:00.900 --> 00:22:01.640 and families

NOTE Confidence: 0.7716479

00:22:02.420 --> 00:22:02.920 where

NOTE Confidence: 0.9783901

00:22:03.700 --> 00:22:05.320 cure is no longer possible.

NOTE Confidence: 0.92408186

00:22:06.660 --> 00:22:08.260 Tell us about that if

NOTE Confidence: 0.92408186

00:22:08.260 --> 00:22:08.920 you would.

NOTE Confidence: 0.9652204

00:22:12.034 --> 00:22:13.315 As I mentioned

NOTE Confidence: 0.9652204

00:22:13.315 --> 00:22:15.395 earlier that I was really

NOTE Confidence: 0.9652204

00:22:15.395 --> 00:22:15.895 inspired

NOTE Confidence: 0.9966196

00:22:16.275 --> 00:22:17.815 largely by a mentor

NOTE Confidence: 0.897594

00:22:18.115 --> 00:22:19.895 and then, of course, clinical

NOTE Confidence: 0.897594

00:22:20.034 --> 00:22:20.534 experiences.

NOTE Confidence: 0.99900687

00:22:20.914 --> 00:22:22.355 So when I was in

NOTE Confidence: 0.99900687

00:22:22.355 --> 00:22:23.654 training for pediatric

NOTE Confidence: 0.99961066

00:22:24.340 --> 00:22:26.020 hematology and oncology, I had

NOTE Confidence: 0.99961066

00:22:26.020 --> 00:22:27.240 a number of experiences

NOTE Confidence: 0.99905604

00:22:27.780 --> 00:22:29.780 of children with advanced or

NOTE Confidence: 0.99905604

00:22:29.780 --> 00:22:30.920 incurable cancer

NOTE Confidence: 0.9748917

00:22:31.700 --> 00:22:33.640 who had really difficult

NOTE Confidence: 0.99987495

00:22:34.260 --> 00:22:35.160 and contentious

NOTE Confidence: 0.99677944

00:22:36.180 --> 00:22:37.540 last weeks and months of

NOTE Confidence: 0.99677944

00:22:37.540 --> 00:22:38.840 life. So there was

NOTE Confidence: 0.95956856

00:22:39.175 --> 00:22:40.695 disagreement between the

NOTE Confidence: 0.95956856

00:22:40.695 --> 00:22:41.975 care team and the family

NOTE Confidence: 0.95956856

00:22:41.975 --> 00:22:43.494 or between the patient and

NOTE Confidence: 0.95956856

00:22:43.494 --> 00:22:44.155 the family,

NOTE Confidence: 0.99921334

00:22:44.775 --> 00:22:45.835 and those

NOTE Confidence: 0.99993515

00:22:46.295 --> 00:22:46.795 experiences

NOTE Confidence: 0.95738703

00:22:47.255 --> 00:22:48.315 kept occurring.

NOTE Confidence: 0.9992364

00:22:48.935 --> 00:22:50.635 And it really made me

NOTE Confidence: 0.9975075

00:22:51.570 --> 00:22:52.950 think about what

NOTE Confidence: 0.99980325

00:22:53.330 --> 00:22:53.830 good

NOTE Confidence: 0.96833324

00:22:54.369 --> 00:22:55.650 end of life care looks

NOTE Confidence: 0.96833324

00:22:55.650 --> 00:22:57.570 like, what good advanced cancer

NOTE Confidence: 0.96833324

00:22:57.570 --> 00:22:58.850 care looks like. And we

NOTE Confidence: 0.96833324

00:22:58.850 --> 00:23:00.369 are talking about a very

NOTE Confidence: 0.96833324

00:23:00.369 --> 00:23:02.289 small proportion of patients, fifteen

NOTE Confidence: 0.96833324

00:23:02.289 --> 00:23:03.990 percent to twenty percent of

NOTE Confidence: 0.96833324

00:23:04.244 --> 00:23:06.005 kids with cancer will not

NOTE Confidence: 0.96833324

00:23:06.005 --> 00:23:06.744 be cured.

NOTE Confidence: 0.9747071

00:23:07.605 --> 00:23:09.525 And we also now have,

NOTE Confidence: 0.9747071

00:23:09.525 --> 00:23:10.805 as I mentioned earlier, a

48

NOTE Confidence: 0.9747071

00:23:10.805 --> 00:23:12.405 lot of targeted therapies, a

NOTE Confidence: 0.9747071

00:23:12.405 --> 00:23:14.165 lot of novel treatments that

NOTE Confidence: 0.9747071

00:23:14.165 --> 00:23:15.385 help these children

NOTE Confidence: 0.97574735

00:23:15.925 --> 00:23:17.205 live for a very long

NOTE Confidence: 0.97574735

00:23:17.205 --> 00:23:18.779 time with a high quality

NOTE Confidence: 0.97574735

00:23:18.779 --> 00:23:20.000 of life or a reasonable

NOTE Confidence: 0.97574735

00:23:20.059 --> 00:23:21.119 quality of life.

NOTE Confidence: 0.9993017

00:23:21.740 --> 00:23:22.240 But

NOTE Confidence: 0.9415584

00:23:22.619 --> 00:23:24.960 I really focus my research

NOTE Confidence: 0.9415584

00:23:25.259 --> 00:23:26.880 in this area of

NOTE Confidence: 0.91894287

00:23:27.899 --> 00:23:29.340 where are the gaps in

NOTE Confidence: 0.91894287

00:23:29.340 --> 00:23:30.639 the provision of

NOTE Confidence: 0.99873227

00:23:31.345 --> 00:23:32.865 care for these children with

NOTE Confidence: 0.99873227

00:23:32.865 --> 00:23:34.645 advanced cancer? Where can we

NOTE Confidence: 0.99873227

00:23:34.785 --> 00:23:35.525 do better?

NOTE Confidence: 0.9972614

00:23:38.145 --> 00:23:38.645 And

NOTE Confidence: 0.9985775

00:23:40.305 --> 00:23:41.825 are the problems at the

NOTE Confidence: 0.9985775

00:23:41.825 --> 00:23:42.725 end of life

NOTE Confidence: 0.97390175

00:23:43.760 --> 00:23:46.419 more prominent in older children,

NOTE Confidence: 0.9661539

00:23:48.399 --> 00:23:50.019 where

NOTE Confidence: 0.8883664

00:23:50.799 --> 00:23:51.460 the patient,

NOTE Confidence: 0.9809658

00:23:52.480 --> 00:23:54.320 him or herself, is trying

NOTE Confidence: 0.9809658

00:23:54.320 --> 00:23:54.820 to

NOTE Confidence: 0.9978202

00:23:55.279 --> 00:23:56.419 take more control?

NOTE Confidence: 0.98517215

00:23:58.135 --> 00:23:59.675 I wouldn't say that it's

NOTE Confidence: 0.98517215

00:23:59.815 --> 00:24:01.655 more prominent in older children,

NOTE Confidence: 0.98517215

00:24:01.655 --> 00:24:02.615 but I do think that

NOTE Confidence: 0.98517215

00:24:02.615 --> 00:24:04.055 the problems and the challenges

NOTE Confidence: 0.98517215

00:24:04.055 --> 00:24:06.695 are different. As adolescents and

NOTE Confidence: 0.98517215

00:24:06.695 --> 00:24:07.435 young adults,

NOTE Confidence: 0.99901354

00:24:08.135 --> 00:24:09.835 increase their sense of agency

00:24:12.070 --> 00:24:13.609 and become more independent,

NOTE Confidence: 0.9995358

00:24:14.630 --> 00:24:15.609 there is

NOTE Confidence: 0.7976218

00:24:15.990 --> 00:24:17.050 another layer to

00:24:18.470 --> 00:24:20.630 decision making and shared decision

NOTE Confidence: 0.9965025

00:24:20.630 --> 00:24:21.990 making. So I do think it

00:24:23.030 --> 00:24:24.250 adds some complexity.

NOTE Confidence: 0.97151375

00:24:25.915 --> 00:24:27.275 And there are a lot

NOTE Confidence: 0.97151375

00:24:27.275 --> 00:24:29.535 of amazing investigators who are

NOTE Confidence: 0.9932222

00:24:29.915 --> 00:24:31.435 focusing their work on trying

NOTE Confidence: 0.9932222

00:24:31.435 --> 00:24:33.195 to improve advanced cancer care

NOTE Confidence: 0.9932222

00:24:33.195 --> 00:24:34.795 for adolescents and young adults.

NOTE Confidence: 0.9932222

00:24:34.795 --> 00:24:36.715 I've mostly focused my research

NOTE Confidence: 0.9932222

00:24:36.715 --> 00:24:38.730 on younger children in order

NOTE Confidence: 0.9932222

00:24:38.730 --> 00:24:39.770 to sort of carve out

NOTE Confidence: 0.9932222

00:24:39.770 --> 00:24:40.990 a niche for myself.

NOTE Confidence: 0.9935712

00:24:41.850 --> 00:24:42.810 That being said, a lot

NOTE Confidence: 0.9935712

00:24:42.810 --> 00:24:43.850 of what we've learned in

NOTE Confidence: 0.9935712

00:24:43.850 --> 00:24:46.350 our research applies to older

NOTE Confidence: 0.9788083

00:24:46.810 --> 00:24:48.190 adolescents and young adults.

NOTE Confidence: 0.9903723

00:24:48.650 --> 00:24:50.270 And so one could imagine

NOTE Confidence: 0.99897116

00:24:50.650 --> 00:24:52.430 that you could make

NOTE Confidence: 0.9992387

00:24:54.085 --> 00:24:55.524 that end of life care

NOTE Confidence: 0.9992387

00:24:55.524 --> 00:24:56.024 easier

NOTE Confidence: 0.99550176

00:24:56.404 --> 00:24:59.044 by preparing people more. On

NOTE Confidence: 0.99550176

00:24:59.044 --> 00:25:00.725 the other hand, when someone

NOTE Confidence: 0.99550176

00:25:00.725 --> 00:25:01.945 is newly diagnosed,

NOTE Confidence: 0.9997783

00:25:02.725 --> 00:25:03.625 talking about

NOTE Confidence: 0.99592435

00:25:04.244 --> 00:25:05.765 not doing well is not

NOTE Confidence: 0.99592435

00:25:05.765 --> 00:25:07.544 exactly what they wanna hear.

NOTE Confidence: 0.99962485

00:25:08.100 --> 00:25:09.400 So there's a limitation

NOTE Confidence: 0.9872495

00:25:10.020 --> 00:25:11.240 there, I would imagine.

NOTE Confidence: 0.9939999

00:25:12.340 --> 00:25:13.540 Yeah. I mean a lot

NOTE Confidence: 0.9939999

00:25:13.540 --> 00:25:14.359 of these

NOTE Confidence: 0.9991025

00:25:16.100 --> 00:25:16.600 conversations

NOTE Confidence: 0.95247

00:25:17.380 --> 00:25:19.700 are a process.

00:25:20.500 --> 00:25:21.880 It is very

NOTE Confidence: 0.9963251

00:25:22.595 --> 00:25:24.035 rare that we would tell

NOTE Confidence: 0.9963251

00:25:24.035 --> 00:25:26.055 someone at the initial diagnosis

NOTE Confidence: 0.9963251

00:25:26.355 --> 00:25:28.035 that their cancer is not

NOTE Confidence: 0.9963251

00:25:28.035 --> 00:25:28.535 curable,

NOTE Confidence: 0.9940089

00:25:29.955 --> 00:25:31.555 with a few exceptions. There

NOTE Confidence: 0.9940089

00:25:31.555 --> 00:25:32.375 are some

NOTE Confidence: 0.9639015

00:25:33.075 --> 00:25:35.335 brain tumors, for example, that

NOTE Confidence: 0.9639015

00:25:35.475 --> 00:25:37.255 are universally, unfortunately,

NOTE Confidence: 0.9790137

00:25:37.635 --> 00:25:38.890 not curable. And so we

NOTE Confidence: 0.9790137

00:25:38.890 --> 00:25:40.170 can extend life, but we

NOTE Confidence: 0.9790137

00:25:40.170 --> 00:25:41.710 can't necessarily cure.

NOTE Confidence: 0.97222924

00:25:42.330 --> 00:25:43.950 And so I really

NOTE Confidence: 0.99764663

00:25:44.490 --> 00:25:46.830 value honesty and truth telling

NOTE Confidence: 0.99764663

00:25:46.970 --> 00:25:47.710 in my

NOTE Confidence: 0.7422159

00:25:48.170 --> 00:25:48.670 communication and

00:25:50.010 --> 00:25:52.285 that approach has really been

NOTE Confidence: 0.99677944

00:25:52.425 --> 00:25:54.285 bolstered by all of the

NOTE Confidence: 0.99677944

00:25:54.585 --> 00:25:55.965 experiential

NOTE Confidence: 0.99677944

00:25:56.185 --> 00:25:56.685 learning,

NOTE Confidence: 0.9460246

00:25:57.145 --> 00:25:58.984 and learning from masters in

NOTE Confidence: 0.9460246

00:25:58.984 --> 00:25:59.965 palliative care,

NOTE Confidence: 0.9986198

00:26:00.265 --> 00:26:00.765 honestly.

NOTE Confidence: 0.99920285

00:26:01.465 --> 00:26:02.765 I am not a clinical

NOTE Confidence: 0.9962457

00:26:03.065 --> 00:26:04.365 palliative care practitioner.

NOTE Confidence: 0.9728809

00:26:05.420 --> 00:26:06.619 That being said, there's a

NOTE Confidence: 0.9728809

00:26:06.619 --> 00:26:07.820 lot that we can learn

NOTE Confidence: 0.9728809

00:26:07.820 --> 00:26:09.740 as clinicians who take

NOTE Confidence: 0.9728809

00:26:09.740 --> 00:26:11.179 care of children with serious

NOTE Confidence: 0.9728809

00:26:11.179 --> 00:26:12.380 illness, we can learn a

NOTE Confidence: 0.9728809

00:26:12.380 --> 00:26:13.660 ton from the ways in

NOTE Confidence: 0.9728809

00:26:13.660 --> 00:26:16.160 which pediatric palliative care clinicians

NOTE Confidence: 0.9728809

00:26:16.380 --> 00:26:16.880 communicate.

NOTE Confidence: 0.99781716

00:26:17.684 --> 00:26:19.205 But you are very

NOTE Confidence: 0.99781716

00:26:19.205 --> 00:26:20.585 much the one who's

NOTE Confidence: 0.9980832

00:26:21.605 --> 00:26:23.365 walking that journey with the

NOTE Confidence: 0.9980832

00:26:23.365 --> 00:26:24.424 patient and family.

NOTE Confidence: 0.99789125

00:26:24.804 --> 00:26:25.865 That's right. And

NOTE Confidence: 0.99797684

00:26:26.565 --> 00:26:27.065 introducing

NOTE Confidence: 0.9994266

00:26:27.445 --> 00:26:28.664 ideas about

NOTE Confidence: 0.9691992

00:26:29.125 --> 00:26:30.825 maybe cure isn't possible

NOTE Confidence: 0.9806745

00:26:31.125 --> 00:26:33.029 when that comes up.

NOTE Confidence: 0.9806745

00:26:33.029 --> 00:26:34.070 I mean, I often

NOTE Confidence: 0.9776077

00:26:34.789 --> 00:26:36.389 and I have, of course,

NOTE Confidence: 0.9776077

00:26:36.389 --> 00:26:37.990 a very different experience as

NOTE Confidence: 0.9776077

00:26:37.990 --> 00:26:39.450 an adult cancer doctor.

NOTE Confidence: 0.9972563

00:26:40.070 --> 00:26:42.409 But I generally find that

NOTE Confidence: 0.91374606

00:26:43.269 --> 00:26:44.970 over time as you

NOTE Confidence: 0.93516636

00:26:45.615 --> 00:26:47.455 go through an illness with

NOTE Confidence: 0.93516636

00:26:47.455 --> 00:26:48.755 a patient that

NOTE Confidence: 0.95796746

00:26:49.375 --> 00:26:51.075 as a doctor and as

NOTE Confidence: 0.95796746

00:26:51.215 --> 00:26:53.135 a patient, you're often in

NOTE Confidence: 0.95796746

00:26:53.135 --> 00:26:54.195 sync. And

NOTE Confidence: 0.9931584

00:26:54.575 --> 00:26:56.255 that's the ideal situation, of

NOTE Confidence: 0.9931584

00:26:56.255 --> 00:26:57.475 course.

NOTE Confidence: 0.997504

00:26:58.015 --> 00:26:59.855 Yeah. I mean, I think

NOTE Confidence: 0.997504

00:26:59.855 --> 00:27:00.355 that

NOTE Confidence: 0.99965596

00:27:01.140 --> 00:27:03.080 the research shows that

NOTE Confidence: 0.99913704

00:27:03.540 --> 00:27:04.680 pediatric oncologists

NOTE Confidence: 0.9595922

00:27:05.220 --> 00:27:07.140 are variable in their ability

NOTE Confidence: 0.9595922

00:27:07.140 --> 00:27:08.180 to kind of walk that

NOTE Confidence: 0.9595922

00:27:08.180 --> 00:27:09.560 journey and be honest.

00:27:12.180 --> 00:27:14.165 It can be really challenging,

NOTE Confidence: 0.9607505

00:27:14.385 --> 00:27:15.925 and it's sort of interesting

NOTE Confidence: 0.9607505

00:27:15.985 --> 00:27:17.105 being in sort of both

NOTE Confidence: 0.9607505

00:27:17.105 --> 00:27:18.565 worlds, being a pediatric

NOTE Confidence: 0.9607505

00:27:18.705 --> 00:27:20.225 palliative care researcher as well

NOTE Confidence: 0.9607505

00:27:20.225 --> 00:27:21.845 as a pediatric oncologist.

NOTE Confidence: 0.9927507

00:27:22.465 --> 00:27:23.505 I know that it's really

NOTE Confidence: 0.9927507

00:27:23.505 --> 00:27:25.365 difficult to have honest conversations

NOTE Confidence: 0.9927507

00:27:25.585 --> 00:27:27.590 about the curability or lack

NOTE Confidence: 0.9927507

00:27:27.590 --> 00:27:29.210 of curability of a particular

NOTE Confidence: 0.9927507

00:27:29.270 --> 00:27:29.770 cancer.

NOTE Confidence: 0.9969746

00:27:30.310 --> 00:27:31.190 And at the same and

NOTE Confidence: 0.9969746

00:27:31.190 --> 00:27:32.310 I know that a lot

NOTE Confidence: 0.9969746

00:27:32.310 --> 00:27:33.830 of my peers in pediatric

NOTE Confidence: 0.9969746

00:27:33.830 --> 00:27:35.850 oncology struggle with that tension.

NOTE Confidence: 0.98339367

00:27:36.950 --> 00:27:38.310 At the same time, we

NOTE Confidence: 0.98339367

00:27:38.310 --> 00:27:40.310 also know that preparation is

NOTE Confidence: 0.98339367

00:27:40.310 --> 00:27:41.434 better, honesty

NOTE Confidence: 0.88767034

00:27:41.734 --> 00:27:42.475 is better.

00:27:44.375 --> 00:27:46.475 And being very, very forthright

NOTE Confidence: 0.98499256

00:27:46.615 --> 00:27:47.514 about prognosis

NOTE Confidence: 0.9881013

00:27:48.375 --> 00:27:50.715 helps families prepare, helps families

NOTE Confidence: 0.9881013

00:27:50.855 --> 00:27:51.355 grieve,

NOTE Confidence: 0.9971441

00:27:52.375 --> 00:27:54.054 and helps them long term

NOTE Confidence: 0.9971441

00:27:54.054 --> 00:27:54.955 in their bereavement.

NOTE Confidence: 0.99602544

00:27:56.140 --> 00:27:57.679 And have you or others

NOTE Confidence: 0.97540945

00:27:58.300 --> 00:27:58.800 studied

NOTE Confidence: 0.9990369

00:27:59.980 --> 00:28:00.480 interventions

NOTE Confidence: 0.96697474

00:28:01.020 --> 00:28:03.280 for the pediatric

NOTE Confidence: 0.96697474

00:28:03.500 --> 00:28:04.000 oncologists

NOTE Confidence: 0.9987957

00:28:04.380 --> 00:28:05.760 as a way of helping

00:28:06.220 --> 00:28:07.900 to improve end of life

00:28:07.900 --> 00:28:09.840 care for children and families?

00:28:10.675 --> 00:28:12.835 So my research is not

00:28:12.835 --> 00:28:14.595 intervention focused, but there are

00:28:14.595 --> 00:28:16.115 a number of people who

00:28:16.115 --> 00:28:18.595 are very interested in trying

00:28:18.595 --> 00:28:20.595 to intervene on the style

00:28:20.595 --> 00:28:21.335 of communication.

00:28:22.595 --> 00:28:24.515 So communication research is a huge

00:28:26.000 --> 00:28:28.000 and impactful area of research

00:28:28.000 --> 00:28:28.820 in our world.

00:28:29.440 --> 00:28:31.119 Doctor Prasanna Ananth is an

00:28:31.119 --> 00:28:33.200 associate professor of pediatrics and

00:28:33.200 --> 00:28:35.200 hematology oncology at the Yale

00:28:35.200 --> 00:28:36.100 School of Medicine.

00:28:36.720 --> 00:28:37.920 If you have questions, the

NOTE Confidence: 0.9703036

00:28:37.920 --> 00:28:39.520 address is cancer answers at

NOTE Confidence: 0.9703036

00:28:39.520 --> 00:28:40.580 yale dot edu,

NOTE Confidence: 0.9788698

00:28:41.005 --> 00:28:42.284 and past editions of the

NOTE Confidence: 0.9788698

00:28:42.284 --> 00:28:43.885 program are available in audio

NOTE Confidence: 0.9788698

00:28:43.885 --> 00:28:45.085 and written form at yale

NOTE Confidence: 0.9788698

00:28:45.085 --> 00:28:46.544 cancer center dot org

NOTE Confidence: 0.9839138

00:28:46.924 --> 00:28:47.804 we hope you'll join us

NOTE Confidence: 0.9839138

00:28:47.804 --> 00:28:48.845 next time to learn more

NOTE Confidence: 0.9839138

00:28:48.845 --> 00:28:50.304 about the fight against cancer

NOTE Confidence: 0.93383

00:28:50.605 --> 00:28:52.365 funding for Yale Cancer Answers

NOTE Confidence: 0.93383

00:28:52.365 --> 00:28:54.125 is provided by Smilow Cancer

NOTE Confidence: 0.93383

00:28:54.125 --> 00:28:54.625 Hospital.