

WEBVTT

NOTE duration: "01:08:52.520"

NOTE Confidence: 0.8454629

00:01:44.784 --> 00:01:45.985 So we're using this keyboard

NOTE Confidence: 0.8454629

00:01:46.145 --> 00:01:47.665 Okay. Down here. This will

NOTE Confidence: 0.8454629

00:01:47.665 --> 00:01:48.865 be from speaker. This will

NOTE Confidence: 0.8454629

00:01:48.865 --> 00:01:50.145 be from your side. Okay.

NOTE Confidence: 0.8454629

00:01:50.145 --> 00:01:50.645 Great.

NOTE Confidence: 0.86606354

00:01:50.945 --> 00:01:52.120 Good to go. And intros

NOTE Confidence: 0.86606354

00:01:52.120 --> 00:01:53.160 are ready to go? Yep.

NOTE Confidence: 0.86606354

00:01:53.160 --> 00:01:53.960 The intros are ready to

NOTE Confidence: 0.86606354

00:01:53.960 --> 00:01:55.080 go. And then we'll switch

NOTE Confidence: 0.86606354

00:01:55.080 --> 00:01:55.800 it over on the back

NOTE Confidence: 0.86606354

00:01:55.800 --> 00:01:56.680 end so it has to

NOTE Confidence: 0.86606354

00:01:56.680 --> 00:01:58.220 do it. Okay. That's good.

NOTE Confidence: 0.96909225

00:04:32.285 --> 00:04:33.565 Okay, everyone. Let's go ahead

NOTE Confidence: 0.96909225

00:04:33.565 --> 00:04:34.845 and get started. Thanks for

NOTE Confidence: 0.96909225

00:04:34.845 --> 00:04:36.305 everyone to come coming out.
NOTE Confidence: 0.96909225

00:04:36.604 --> 00:04:37.725 We have a special treat
NOTE Confidence: 0.96909225

00:04:37.725 --> 00:04:39.585 today. Before we get started,
NOTE Confidence: 0.9494169

00:04:39.885 --> 00:04:41.485 just remind everyone that, we
NOTE Confidence: 0.9494169

00:04:41.485 --> 00:04:41.985 provide
NOTE Confidence: 0.9177636

00:04:42.525 --> 00:04:44.544 CME, credit, and please,
NOTE Confidence: 0.99538517

00:04:45.085 --> 00:04:46.685 text five four three three
NOTE Confidence: 0.99538517

00:04:46.685 --> 00:04:47.185 five
NOTE Confidence: 0.99235654

00:04:47.620 --> 00:04:48.580 for those of you,
NOTE Confidence: 0.9189193

00:04:50.260 --> 00:04:51.540 to get, this credit. We
NOTE Confidence: 0.9189193

00:04:51.540 --> 00:04:52.740 are monitoring this,
NOTE Confidence: 0.9830318

00:04:53.220 --> 00:04:55.060 and, really appreciate everyone coming
NOTE Confidence: 0.9830318

00:04:55.060 --> 00:04:57.060 out. And and, welcome to
NOTE Confidence: 0.9830318

00:04:57.060 --> 00:04:57.720 all the
NOTE Confidence: 0.93834585

00:04:58.339 --> 00:05:00.760 faculty and fellows and colleagues
NOTE Confidence: 0.93834585

00:05:01.060 --> 00:05:02.279 across our

NOTE Confidence: 0.97448254
00:05:02.935 --> 00:05:03.995 wide system,
NOTE Confidence: 0.99318784
00:05:04.615 --> 00:05:05.654 who are at our different
NOTE Confidence: 0.99318784
00:05:05.654 --> 00:05:06.695 watch parties. We have, I
NOTE Confidence: 0.99318784
00:05:06.695 --> 00:05:08.055 think, five different watch parties
NOTE Confidence: 0.99318784
00:05:08.055 --> 00:05:10.055 going on. So there's many
NOTE Confidence: 0.99318784
00:05:10.055 --> 00:05:10.555 people
NOTE Confidence: 0.8579071
00:05:10.855 --> 00:05:11.495 listening and,
NOTE Confidence: 0.98651546
00:05:12.214 --> 00:05:13.915 getting lunch and and experiencing
NOTE Confidence: 0.98651546
00:05:13.975 --> 00:05:15.095 this as well. So,
NOTE Confidence: 0.93033963
00:05:15.654 --> 00:05:16.475 let me just
NOTE Confidence: 0.93218
00:05:16.849 --> 00:05:19.250 move this. Just, to remind
NOTE Confidence: 0.93218
00:05:19.250 --> 00:05:20.849 people of the schedule next
NOTE Confidence: 0.93218
00:05:20.849 --> 00:05:21.349 week,
NOTE Confidence: 0.9735768
00:05:22.610 --> 00:05:23.349 we have,
NOTE Confidence: 0.8703797
00:05:24.610 --> 00:05:25.430 Mark Petrie.
NOTE Confidence: 0.94328713

00:05:26.050 --> 00:05:27.669 Mark, is phenomenally,
NOTE Confidence: 0.93600535
00:05:28.690 --> 00:05:30.370 a wonderful colleague, close friend
NOTE Confidence: 0.93600535
00:05:30.370 --> 00:05:31.349 to many of us,
NOTE Confidence: 0.61092544
00:05:32.865 --> 00:05:33.365 and
NOTE Confidence: 0.8500126
00:05:34.225 --> 00:05:35.265 will be coming and visiting
NOTE Confidence: 0.8500126
00:05:35.265 --> 00:05:36.885 us from University of Glasgow.
NOTE Confidence: 0.74216735
00:05:37.665 --> 00:05:38.625 Really, it's,
NOTE Confidence: 0.8906518
00:05:39.265 --> 00:05:41.445 parlayed this focus on,
NOTE Confidence: 0.9452399
00:05:43.105 --> 00:05:44.385 on heart failure as well
NOTE Confidence: 0.9452399
00:05:44.385 --> 00:05:45.765 as interventional cardiology,
NOTE Confidence: 0.9340349
00:05:46.860 --> 00:05:48.139 and is playing an important
NOTE Confidence: 0.9340349
00:05:48.139 --> 00:05:48.639 role,
NOTE Confidence: 0.9863442
00:05:49.500 --> 00:05:51.500 in in many, different channels,
NOTE Confidence: 0.9863442
00:05:51.820 --> 00:05:53.419 globally. So he'll be visiting
NOTE Confidence: 0.9863442
00:05:53.419 --> 00:05:54.300 with us and excited to
NOTE Confidence: 0.9863442
00:05:54.300 --> 00:05:55.339 have him. For those of

NOTE Confidence: 0.9863442
00:05:55.339 --> 00:05:56.300 you who want to meet
NOTE Confidence: 0.9863442
00:05:56.300 --> 00:05:57.040 with him,
NOTE Confidence: 0.9316471
00:05:58.520 --> 00:06:00.139 please reach out to Joanne
NOTE Confidence: 0.9316471
00:06:00.139 --> 00:06:01.500 and Bianca who are gathering
NOTE Confidence: 0.9316471
00:06:01.500 --> 00:06:03.315 information as we finalize his
NOTE Confidence: 0.9316471
00:06:03.315 --> 00:06:04.055 his schedule.
NOTE Confidence: 0.9879612
00:06:04.435 --> 00:06:05.714 We have a follow-up EP
NOTE Confidence: 0.9879612
00:06:05.714 --> 00:06:07.415 case conference led by Gabriela.
NOTE Confidence: 0.9928325
00:06:08.115 --> 00:06:09.235 By the way, the fellows
NOTE Confidence: 0.9928325
00:06:09.235 --> 00:06:10.535 have been doing a fantastic
NOTE Confidence: 0.9817707
00:06:10.915 --> 00:06:12.115 job with our case conferences.
NOTE Confidence: 0.9817707
00:06:12.115 --> 00:06:13.235 They've been really exciting, and
NOTE Confidence: 0.9817707
00:06:13.235 --> 00:06:14.995 I love this new, new,
NOTE Confidence: 0.8262529
00:06:15.500 --> 00:06:16.700 process we put them together.
NOTE Confidence: 0.8262529
00:06:16.700 --> 00:06:17.440 Thanks to
NOTE Confidence: 0.86606824

00:06:17.740 --> 00:06:19.500 Catherine and and, Philippe and
NOTE Confidence: 0.86606824

00:06:19.500 --> 00:06:20.240 and Hattie.
NOTE Confidence: 0.97282225

00:06:20.700 --> 00:06:22.240 Todd Vilnius will come in
NOTE Confidence: 0.97282225

00:06:22.300 --> 00:06:24.380 the subsequent week, to be
NOTE Confidence: 0.97282225

00:06:24.380 --> 00:06:24.779 our,
NOTE Confidence: 0.587938

00:06:26.300 --> 00:06:26.800 Zarett,
NOTE Confidence: 0.8568649

00:06:27.514 --> 00:06:29.775 Giants in Cardiovascular Medicine lecturer.
NOTE Confidence: 0.9697416

00:06:30.315 --> 00:06:31.755 That day will be also
NOTE Confidence: 0.9697416

00:06:31.755 --> 00:06:33.035 the day of the day
NOTE Confidence: 0.9697416

00:06:33.035 --> 00:06:34.335 long symposium,
NOTE Confidence: 0.96429265

00:06:35.755 --> 00:06:37.435 that, is being led in
NOTE Confidence: 0.96429265

00:06:37.514 --> 00:06:39.115 after Zarate's honor as well,
NOTE Confidence: 0.96429265

00:06:39.115 --> 00:06:41.055 and Al Senussis is organizing
NOTE Confidence: 0.96429265

00:06:41.115 --> 00:06:43.260 and finalizing that with Roberta.
NOTE Confidence: 0.96429265

00:06:43.260 --> 00:06:44.060 So if you have any
NOTE Confidence: 0.96429265

00:06:44.060 --> 00:06:45.180 questions about that, please reach

NOTE Confidence: 0.96429265

00:06:45.180 --> 00:06:46.380 out to him. And then

NOTE Confidence: 0.96429265

00:06:46.380 --> 00:06:47.500 we have a peripheral vascular

NOTE Confidence: 0.96429265

00:06:47.500 --> 00:06:49.339 case conference after that. These

NOTE Confidence: 0.96429265

00:06:49.339 --> 00:06:50.640 are our disclosures and accreditation,

NOTE Confidence: 0.96429265

00:06:50.700 --> 00:06:51.580 and I with that, I'm

NOTE Confidence: 0.96429265

00:06:51.580 --> 00:06:52.700 gonna ask Casper here to

NOTE Confidence: 0.96429265

00:06:52.700 --> 00:06:53.600 give a quick intro,

NOTE Confidence: 0.96642363

00:06:54.140 --> 00:06:54.779 to our,

NOTE Confidence: 0.9610357

00:06:55.660 --> 00:06:56.460 my my,

NOTE Confidence: 0.9888272

00:06:57.754 --> 00:06:59.034 great new colleague, and we're

NOTE Confidence: 0.9888272

00:06:59.034 --> 00:06:59.995 excited to have Mark here

NOTE Confidence: 0.9888272

00:06:59.995 --> 00:07:00.875 with us. It took us

NOTE Confidence: 0.9888272

00:07:00.875 --> 00:07:02.154 a while to get to

NOTE Confidence: 0.9888272

00:07:02.154 --> 00:07:02.955 this point, but,

NOTE Confidence: 0.8280617

00:07:03.435 --> 00:07:05.775 he had brought, really, tremendous,

NOTE Confidence: 0.8817741

00:07:07.514 --> 00:07:09.034 credit to us already, since
NOTE Confidence: 0.8817741

00:07:09.034 --> 00:07:09.534 his,
NOTE Confidence: 0.9693092

00:07:09.990 --> 00:07:11.110 what, six months since he's
NOTE Confidence: 0.9693092

00:07:11.110 --> 00:07:12.070 been here. So excited to
NOTE Confidence: 0.9693092

00:07:12.070 --> 00:07:13.510 have you here. And, Catherine's
NOTE Confidence: 0.9693092

00:07:13.510 --> 00:07:15.290 gonna introduce you more formally.
NOTE Confidence: 0.9927445

00:07:20.470 --> 00:07:21.850 Hey. Good afternoon, everybody.
NOTE Confidence: 0.99622154

00:07:22.474 --> 00:07:23.595 It's now my pleasure to
NOTE Confidence: 0.99622154

00:07:23.595 --> 00:07:24.095 formally,
NOTE Confidence: 0.9936285

00:07:24.555 --> 00:07:25.775 introduce doctor Pelletier.
NOTE Confidence: 0.9738243

00:07:26.955 --> 00:07:28.555 He's our division chief here
NOTE Confidence: 0.9738243

00:07:28.555 --> 00:07:29.694 of cardiac surgery,
NOTE Confidence: 0.9879265

00:07:30.395 --> 00:07:31.754 of the department of surgery
NOTE Confidence: 0.9879265

00:07:31.754 --> 00:07:32.555 here at the Yale School
NOTE Confidence: 0.9879265

00:07:32.555 --> 00:07:33.215 of Medicine.
NOTE Confidence: 0.97178346

00:07:33.595 --> 00:07:34.794 He's the section chief of

NOTE Confidence: 0.97178346
00:07:34.794 --> 00:07:36.474 cardiac surgery for Yale New
NOTE Confidence: 0.97178346
00:07:36.474 --> 00:07:38.250 Haven Hospital and the physician
NOTE Confidence: 0.97178346
00:07:38.250 --> 00:07:39.770 in chief of cardiac surgery
NOTE Confidence: 0.97178346
00:07:39.770 --> 00:07:41.290 for our YNHH Heart and
NOTE Confidence: 0.97178346
00:07:41.290 --> 00:07:42.190 Vascular Center.
NOTE Confidence: 0.9751381
00:07:43.130 --> 00:07:44.910 A graduate of McGill University,
NOTE Confidence: 0.9751381
00:07:45.050 --> 00:07:46.730 he completed advanced training in
NOTE Confidence: 0.9751381
00:07:46.730 --> 00:07:48.810 advanced heart failure surgeries, including
NOTE Confidence: 0.9751381
00:07:48.810 --> 00:07:50.570 bad and cardiac transplantation at
NOTE Confidence: 0.9751381
00:07:50.570 --> 00:07:51.550 Stanford University.
NOTE Confidence: 0.9694758
00:07:52.485 --> 00:07:54.325 His clinical interests also include
NOTE Confidence: 0.9694758
00:07:54.325 --> 00:07:56.825 TAVR, minimally invasive mitral valve,
NOTE Confidence: 0.9694758
00:07:56.965 --> 00:07:59.045 and coronary bypass surgery using
NOTE Confidence: 0.9694758
00:07:59.045 --> 00:08:00.725 arterial grafts as well as
NOTE Confidence: 0.9694758
00:08:00.725 --> 00:08:02.345 aortic and heart failure procedures.
NOTE Confidence: 0.95420456

00:08:03.605 --> 00:08:04.965 Prior to Yale, he served
NOTE Confidence: 0.95420456

00:08:04.965 --> 00:08:06.565 as a division division chief
NOTE Confidence: 0.95420456

00:08:06.565 --> 00:08:08.350 in cardiac surgery and held
NOTE Confidence: 0.95420456

00:08:08.350 --> 00:08:10.670 the JL Ankeny professorship in
NOTE Confidence: 0.95420456

00:08:10.670 --> 00:08:11.570 CT surgery
NOTE Confidence: 0.9620982

00:08:11.950 --> 00:08:14.270 at University Hospitals Cleveland Medical
NOTE Confidence: 0.9620982

00:08:14.270 --> 00:08:15.950 Center and Case Western Reserve
NOTE Confidence: 0.9620982

00:08:15.950 --> 00:08:16.450 University.
NOTE Confidence: 0.95361185

00:08:17.310 --> 00:08:18.830 He also served as director
NOTE Confidence: 0.95361185

00:08:18.830 --> 00:08:20.190 of the Heart Surgery Center
NOTE Confidence: 0.95361185

00:08:20.190 --> 00:08:21.250 at Harrington
NOTE Confidence: 0.9896885

00:08:21.550 --> 00:08:22.930 Heart and Vascular Institute.
NOTE Confidence: 0.99063885

00:08:23.885 --> 00:08:24.925 Prior to that, he was
NOTE Confidence: 0.99063885

00:08:24.925 --> 00:08:26.125 a surgical director of the
NOTE Confidence: 0.99063885

00:08:26.125 --> 00:08:27.485 TAVR program at the Brigham
NOTE Confidence: 0.99063885

00:08:27.485 --> 00:08:28.945 and Harvard Medical School.

NOTE Confidence: 0.9161633

00:08:29.485 --> 00:08:30.765 He joined the Brigham Group

NOTE Confidence: 0.9161633

00:08:30.765 --> 00:08:31.905 in two thousand sixteen

NOTE Confidence: 0.9939526

00:08:32.445 --> 00:08:33.965 after nine years as head

NOTE Confidence: 0.9939526

00:08:33.965 --> 00:08:35.565 of cardiac surgery at the

NOTE Confidence: 0.9939526

00:08:35.565 --> 00:08:37.005 New Brunswick Heart Center in

NOTE Confidence: 0.9939526

00:08:37.005 --> 00:08:38.880 Canada, which followed a period

NOTE Confidence: 0.9939526

00:08:38.880 --> 00:08:40.640 of assistant professor in cardiac

NOTE Confidence: 0.9939526

00:08:40.640 --> 00:08:41.700 surgery at Stanford.

NOTE Confidence: 0.94502103

00:08:42.960 --> 00:08:45.220 Doctor Pelletier has led PI

NOTE Confidence: 0.94502103

00:08:45.279 --> 00:08:47.040 for several industry funded clinical

NOTE Confidence: 0.94502103

00:08:47.040 --> 00:08:49.040 trials, has authored numerous peer

NOTE Confidence: 0.94502103

00:08:49.040 --> 00:08:50.880 reviewed publications and leading journals

NOTE Confidence: 0.94502103

00:08:50.880 --> 00:08:51.760 such as CERC and the

NOTE Confidence: 0.94502103

00:08:51.760 --> 00:08:53.155 New England Journal, as well

NOTE Confidence: 0.94502103

00:08:53.155 --> 00:08:54.275 as Too Many to Count

NOTE Confidence: 0.94502103

00:08:54.275 --> 00:08:55.955 invited talks. And in the
NOTE Confidence: 0.94502103

00:08:55.955 --> 00:08:57.315 past few years, his interests
NOTE Confidence: 0.94502103

00:08:57.315 --> 00:08:58.915 have shifted towards clinical outcomes
NOTE Confidence: 0.94502103

00:08:58.915 --> 00:08:59.415 research.
NOTE Confidence: 0.98936546

00:09:00.434 --> 00:09:02.035 In other leadership roles, he
NOTE Confidence: 0.98936546

00:09:02.035 --> 00:09:03.315 chaired the Royal College of
NOTE Confidence: 0.98936546

00:09:03.315 --> 00:09:05.395 Surgeons of Canada's cardiac surgery
NOTE Confidence: 0.98936546

00:09:05.395 --> 00:09:07.150 board exam and was named
NOTE Confidence: 0.98936546

00:09:07.150 --> 00:09:08.590 specialist of the year by
NOTE Confidence: 0.98936546

00:09:08.590 --> 00:09:09.790 the Royal College in twenty
NOTE Confidence: 0.98936546

00:09:09.790 --> 00:09:10.290 fourteen.
NOTE Confidence: 0.9864904

00:09:10.990 --> 00:09:12.670 He currently serves as program
NOTE Confidence: 0.9864904

00:09:12.670 --> 00:09:14.270 chair for the Society of
NOTE Confidence: 0.9864904

00:09:14.270 --> 00:09:16.270 Thoracic Surgeons twenty twenty six
NOTE Confidence: 0.9864904

00:09:16.270 --> 00:09:17.950 meeting and also serves on
NOTE Confidence: 0.9864904

00:09:17.950 --> 00:09:19.570 multiple STS workforces.

NOTE Confidence: 0.972386

00:09:20.745 --> 00:09:21.865 In addition, he is a

NOTE Confidence: 0.972386

00:09:21.865 --> 00:09:24.105 respected educator who was recognized

NOTE Confidence: 0.972386

00:09:24.105 --> 00:09:24.925 with the prestigious

NOTE Confidence: 0.96015894

00:09:25.304 --> 00:09:27.304 Larry Cohen outstanding teacher award

NOTE Confidence: 0.96015894

00:09:27.304 --> 00:09:28.505 in twenty eighteen at the

NOTE Confidence: 0.96015894

00:09:28.505 --> 00:09:29.005 Brigham.

NOTE Confidence: 0.94712704

00:09:29.705 --> 00:09:30.905 And just this past year,

NOTE Confidence: 0.94712704

00:09:30.905 --> 00:09:32.285 he was awarded the Socrates

NOTE Confidence: 0.94712704

00:09:32.425 --> 00:09:34.510 award by the Thoracic Surgery

NOTE Confidence: 0.94712704

00:09:34.510 --> 00:09:35.490 Resonance Association,

NOTE Confidence: 0.99699754

00:09:36.270 --> 00:09:38.510 recognizing an outstanding CT surgery

NOTE Confidence: 0.99699754

00:09:38.510 --> 00:09:40.130 faculty member in North America

NOTE Confidence: 0.9984854

00:09:40.430 --> 00:09:41.970 for their commitment to education

NOTE Confidence: 0.9984854

00:09:42.030 --> 00:09:42.770 and mentorship.

NOTE Confidence: 0.9910689

00:09:43.150 --> 00:09:44.270 Now please join me in

NOTE Confidence: 0.9910689

00:09:44.270 --> 00:09:45.730 welcoming doctor Pelletier.
NOTE Confidence: 0.9694993

00:09:55.455 --> 00:09:56.815 Thank you very much, Catherine,
NOTE Confidence: 0.9694993

00:09:56.815 --> 00:09:58.355 for the really nice introduction.
NOTE Confidence: 0.99927396

00:09:59.054 --> 00:10:00.335 I'm honored to be here.
NOTE Confidence: 0.99927396

00:10:00.335 --> 00:10:01.375 It's always a pleasure to
NOTE Confidence: 0.99927396

00:10:01.375 --> 00:10:03.230 speak to my cardiology colleagues.
NOTE Confidence: 0.9051968

00:10:04.330 --> 00:10:05.610 You seem to be always
NOTE Confidence: 0.9051968

00:10:05.610 --> 00:10:07.130 nicer than my surgical colleagues,
NOTE Confidence: 0.9051968

00:10:07.130 --> 00:10:08.270 so hopefully that will
NOTE Confidence: 0.95826995

00:10:09.050 --> 00:10:10.429 hopefully that will hold through
NOTE Confidence: 0.8120864

00:10:10.970 --> 00:10:12.429 to true true today.
NOTE Confidence: 0.9681289

00:10:19.585 --> 00:10:21.125 These are my disclosures,
NOTE Confidence: 0.994272

00:10:22.945 --> 00:10:24.304 and, these are some of
NOTE Confidence: 0.994272

00:10:24.304 --> 00:10:25.585 the objectives that we will,
NOTE Confidence: 0.994272

00:10:25.825 --> 00:10:26.705 try to cover,
NOTE Confidence: 0.99865454

00:10:27.025 --> 00:10:27.525 today.

NOTE Confidence: 0.97955924
00:10:28.250 --> 00:10:29.529 Specifically, this will be probably
NOTE Confidence: 0.97955924
00:10:29.529 --> 00:10:30.250 a bit of a different
NOTE Confidence: 0.97955924
00:10:30.250 --> 00:10:31.210 talk. We're not gonna be
NOTE Confidence: 0.97955924
00:10:31.210 --> 00:10:33.210 too scientific today. The goal
NOTE Confidence: 0.97955924
00:10:33.210 --> 00:10:34.410 is really to introduce you
NOTE Confidence: 0.97955924
00:10:34.410 --> 00:10:35.290 to some of the thoughts
NOTE Confidence: 0.97955924
00:10:35.290 --> 00:10:36.970 about cardiac surgery. There have
NOTE Confidence: 0.97955924
00:10:36.970 --> 00:10:37.929 been a lot of changes
NOTE Confidence: 0.97955924
00:10:37.929 --> 00:10:39.290 in cardiac surgery here over
NOTE Confidence: 0.97955924
00:10:39.290 --> 00:10:40.730 the last few years. As
NOTE Confidence: 0.97955924
00:10:40.730 --> 00:10:41.929 you know, doctor Gerson, who
NOTE Confidence: 0.97955924
00:10:41.929 --> 00:10:42.649 was a good friend of
NOTE Confidence: 0.97955924
00:10:42.649 --> 00:10:43.524 mine, had left for for
NOTE Confidence: 0.97955924
00:10:43.524 --> 00:10:44.024 Columbia.
NOTE Confidence: 0.97340053
00:10:44.725 --> 00:10:46.804 There was a transient leadership
NOTE Confidence: 0.97340053

00:10:46.804 --> 00:10:48.105 role for about two years.
NOTE Confidence: 0.97340053

00:10:48.325 --> 00:10:49.445 And so I arrived in
NOTE Confidence: 0.97340053

00:10:49.445 --> 00:10:51.605 March, and, we've been trying
NOTE Confidence: 0.97340053

00:10:51.605 --> 00:10:52.804 over the first few months
NOTE Confidence: 0.97340053

00:10:52.804 --> 00:10:53.684 just to get a sense
NOTE Confidence: 0.97340053

00:10:53.684 --> 00:10:54.964 of the landscape. But I'll
NOTE Confidence: 0.97340053

00:10:54.964 --> 00:10:56.005 share with you maybe some
NOTE Confidence: 0.97340053

00:10:56.005 --> 00:10:57.285 thoughts today on on what's
NOTE Confidence: 0.97340053

00:10:57.285 --> 00:10:58.825 important in cardiac surgery.
NOTE Confidence: 0.97996753

00:10:59.220 --> 00:11:00.500 And because there's nothing that
NOTE Confidence: 0.97996753

00:11:00.500 --> 00:11:01.880 we do that doesn't interplay
NOTE Confidence: 0.97996753

00:11:02.179 --> 00:11:03.699 with our cardiology colleagues, it's
NOTE Confidence: 0.97996753

00:11:03.699 --> 00:11:04.500 very much of a team
NOTE Confidence: 0.97996753

00:11:04.500 --> 00:11:05.459 approach even though we may
NOTE Confidence: 0.97996753

00:11:05.459 --> 00:11:06.600 be in different departments.
NOTE Confidence: 0.999674

00:11:06.980 --> 00:11:08.500 It's really important that we

NOTE Confidence: 0.999674
00:11:08.500 --> 00:11:09.720 are aligned together.
NOTE Confidence: 0.9904173
00:11:10.420 --> 00:11:11.139 I thought I would take
NOTE Confidence: 0.9904173
00:11:11.139 --> 00:11:12.019 a few minutes because when
NOTE Confidence: 0.9904173
00:11:12.019 --> 00:11:13.139 I was asking people what
NOTE Confidence: 0.9904173
00:11:13.139 --> 00:11:14.100 I should talk about,
NOTE Confidence: 0.975931
00:11:15.054 --> 00:11:16.335 almost everybody said, well, how
NOTE Confidence: 0.975931
00:11:16.335 --> 00:11:17.135 did why did you come
NOTE Confidence: 0.975931
00:11:17.135 --> 00:11:18.095 to Yale, and how did
NOTE Confidence: 0.975931
00:11:18.095 --> 00:11:19.615 this all happen? And Catherine
NOTE Confidence: 0.975931
00:11:19.615 --> 00:11:20.415 covered a little bit of
NOTE Confidence: 0.975931
00:11:20.415 --> 00:11:21.695 that. But I I thought
NOTE Confidence: 0.975931
00:11:21.695 --> 00:11:22.815 I would just maybe expand
NOTE Confidence: 0.975931
00:11:22.815 --> 00:11:23.775 a little bit on that
NOTE Confidence: 0.975931
00:11:23.775 --> 00:11:24.815 because I actually grew up
NOTE Confidence: 0.975931
00:11:24.815 --> 00:11:26.095 not that far away. I
NOTE Confidence: 0.975931

00:11:26.095 --> 00:11:27.054 grew up just on the
NOTE Confidence: 0.975931
00:11:27.054 --> 00:11:27.955 Canadian border.
NOTE Confidence: 0.9757648
00:11:28.320 --> 00:11:28.960 If you go up the
NOTE Confidence: 0.9757648
00:11:28.960 --> 00:11:30.000 I ninety five and you
NOTE Confidence: 0.9757648
00:11:30.000 --> 00:11:31.040 drive for about eight hours,
NOTE Confidence: 0.9757648
00:11:31.040 --> 00:11:32.160 you'll get to where I
NOTE Confidence: 0.9757648
00:11:32.160 --> 00:11:33.300 I grew up from.
NOTE Confidence: 0.96671313
00:11:34.000 --> 00:11:35.200 And I actually grew up
NOTE Confidence: 0.96671313
00:11:35.200 --> 00:11:36.480 right on the American border.
NOTE Confidence: 0.96671313
00:11:36.480 --> 00:11:38.160 In fact, this is where
NOTE Confidence: 0.96671313
00:11:38.320 --> 00:11:39.280 this is the Saint John
NOTE Confidence: 0.96671313
00:11:39.280 --> 00:11:40.640 River, which separates the United
NOTE Confidence: 0.96671313
00:11:40.640 --> 00:11:42.125 States from Canada. And in
NOTE Confidence: 0.96671313
00:11:42.125 --> 00:11:43.325 the wintertime, when I was
NOTE Confidence: 0.96671313
00:11:43.325 --> 00:11:44.285 a kid, we could walk
NOTE Confidence: 0.96671313
00:11:44.285 --> 00:11:45.404 across the US, and,

NOTE Confidence: 0.94354117
00:11:46.045 --> 00:11:47.325 now I probably get shot
NOTE Confidence: 0.94354117
00:11:47.325 --> 00:11:48.385 or something. But
NOTE Confidence: 0.89484555
00:11:48.925 --> 00:11:49.425 back
NOTE Confidence: 0.9667199
00:11:49.804 --> 00:11:51.005 back then, it was it
NOTE Confidence: 0.9667199
00:11:51.005 --> 00:11:52.445 it was pretty easy, to
NOTE Confidence: 0.9667199
00:11:52.445 --> 00:11:53.645 do. In fact, my father
NOTE Confidence: 0.9667199
00:11:53.645 --> 00:11:54.765 would cross the bridge every
NOTE Confidence: 0.9667199
00:11:54.765 --> 00:11:55.200 day.
NOTE Confidence: 0.97355944
00:11:55.920 --> 00:11:57.040 I went to medical school
NOTE Confidence: 0.97355944
00:11:57.040 --> 00:11:58.720 in Halifax, Nova Scotia, which
NOTE Confidence: 0.97355944
00:11:58.720 --> 00:11:59.840 was a wonderful place to
NOTE Confidence: 0.97355944
00:11:59.840 --> 00:12:00.800 be. It's kinda like a
NOTE Confidence: 0.97355944
00:12:00.800 --> 00:12:02.080 mini Boston if ever any
NOTE Confidence: 0.97355944
00:12:02.080 --> 00:12:02.880 of you have ever gone
NOTE Confidence: 0.97355944
00:12:02.880 --> 00:12:04.400 to Halifax. It's surrounded by
NOTE Confidence: 0.97355944

00:12:04.400 --> 00:12:05.360 water, and it's a really
NOTE Confidence: 0.97355944

00:12:05.360 --> 00:12:06.740 nice university town.
NOTE Confidence: 0.9851561

00:12:07.280 --> 00:12:08.505 I met my wife, Missy,
NOTE Confidence: 0.9851561

00:12:08.505 --> 00:12:09.545 and we'll be married for
NOTE Confidence: 0.9851561

00:12:09.545 --> 00:12:10.825 thirty years in December if
NOTE Confidence: 0.9851561

00:12:10.825 --> 00:12:11.965 we make it that far.
NOTE Confidence: 0.9851561

00:12:12.105 --> 00:12:13.785 So, it's she's been an
NOTE Confidence: 0.9851561

00:12:13.785 --> 00:12:15.005 unbelievable partner.
NOTE Confidence: 0.964706

00:12:15.545 --> 00:12:16.425 I was able to go
NOTE Confidence: 0.964706

00:12:16.425 --> 00:12:18.025 into McGill in Montreal, which
NOTE Confidence: 0.964706

00:12:18.025 --> 00:12:19.245 is a just a wonderful
NOTE Confidence: 0.964706

00:12:19.385 --> 00:12:20.605 city to live in,
NOTE Confidence: 0.9886485

00:12:20.910 --> 00:12:22.690 and a great educational experience.
NOTE Confidence: 0.9886485

00:12:22.990 --> 00:12:24.750 At that time, we started
NOTE Confidence: 0.9886485

00:12:24.750 --> 00:12:26.429 our family in residency for
NOTE Confidence: 0.9886485

00:12:26.589 --> 00:12:27.470 so for those of you

NOTE Confidence: 0.9886485
00:12:27.470 --> 00:12:28.670 who are residents and trying
NOTE Confidence: 0.9886485
00:12:28.670 --> 00:12:29.970 to maneuver a family,
NOTE Confidence: 0.98318535
00:12:30.429 --> 00:12:31.470 I know what that's like,
NOTE Confidence: 0.98318535
00:12:31.709 --> 00:12:33.309 before the eighty hour work
NOTE Confidence: 0.98318535
00:12:33.309 --> 00:12:34.829 week. So I I feel
NOTE Confidence: 0.98318535
00:12:34.829 --> 00:12:35.490 your pain.
NOTE Confidence: 0.9829077
00:12:35.964 --> 00:12:37.085 We have four boys, and
NOTE Confidence: 0.9829077
00:12:37.085 --> 00:12:38.285 they've all grown up and
NOTE Confidence: 0.9829077
00:12:38.285 --> 00:12:39.565 are all in college now.
NOTE Confidence: 0.9829077
00:12:39.565 --> 00:12:41.165 And, they they really are,
NOTE Confidence: 0.9829077
00:12:41.404 --> 00:12:42.625 a blessing to us.
NOTE Confidence: 0.9794696
00:12:43.245 --> 00:12:44.524 But at McGill, as many
NOTE Confidence: 0.9794696
00:12:44.524 --> 00:12:46.304 of you probably have encountered
NOTE Confidence: 0.9794696
00:12:46.365 --> 00:12:47.745 here or in other areas,
NOTE Confidence: 0.9794696
00:12:47.990 --> 00:12:49.429 probably the biggest impact and
NOTE Confidence: 0.9794696

00:12:49.429 --> 00:12:50.309 the people that make the
NOTE Confidence: 0.9794696

00:12:50.309 --> 00:12:51.750 biggest difference on us are
NOTE Confidence: 0.9794696

00:12:51.750 --> 00:12:53.350 the mentors that we get
NOTE Confidence: 0.9794696

00:12:53.350 --> 00:12:54.389 to meet, the people that
NOTE Confidence: 0.9794696

00:12:54.389 --> 00:12:55.750 we get to meet. The
NOTE Confidence: 0.9794696

00:12:55.750 --> 00:12:56.629 gentleman in the middle is
NOTE Confidence: 0.9794696

00:12:56.629 --> 00:12:57.829 Denton Cooley when he was
NOTE Confidence: 0.9794696

00:12:57.829 --> 00:12:59.110 a visiting professor, but the
NOTE Confidence: 0.9794696

00:12:59.110 --> 00:13:00.149 man to his left is
NOTE Confidence: 0.9794696

00:13:00.149 --> 00:13:01.829 Ray Chu, who was my
NOTE Confidence: 0.9794696

00:13:01.829 --> 00:13:03.584 thesis adviser, was the chief
NOTE Confidence: 0.9794696

00:13:03.584 --> 00:13:05.105 of cardiac surgery there for
NOTE Confidence: 0.9794696

00:13:05.105 --> 00:13:05.684 a while,
NOTE Confidence: 0.9744502

00:13:06.144 --> 00:13:07.925 originally from Taiwan and immigrated
NOTE Confidence: 0.9744502

00:13:07.985 --> 00:13:09.345 to Canada and was just
NOTE Confidence: 0.9744502

00:13:09.345 --> 00:13:10.625 the the most wonderful human

NOTE Confidence: 0.9744502

00:13:10.625 --> 00:13:11.745 being that I I learned

NOTE Confidence: 0.9744502

00:13:11.745 --> 00:13:12.644 so much from.

NOTE Confidence: 0.9445986

00:13:12.945 --> 00:13:15.105 And similarly, this, gentleman, David

NOTE Confidence: 0.9445986

00:13:15.105 --> 00:13:15.605 Mulder,

NOTE Confidence: 0.9642858

00:13:15.990 --> 00:13:17.190 who's head of the American

NOTE Confidence: 0.9642858

00:13:17.190 --> 00:13:19.290 Trauma Association, also a cardiac

NOTE Confidence: 0.9642858

00:13:19.350 --> 00:13:21.030 surgeon, and was a chair

NOTE Confidence: 0.9642858

00:13:21.030 --> 00:13:22.150 of surgery there for many,

NOTE Confidence: 0.9642858

00:13:22.150 --> 00:13:23.750 many years. And more importantly

NOTE Confidence: 0.9642858

00:13:23.750 --> 00:13:25.030 to me, was the team

NOTE Confidence: 0.9642858

00:13:25.030 --> 00:13:26.550 doctor for the Montreal Canadians.

NOTE Confidence: 0.9642858

00:13:26.550 --> 00:13:27.429 So I had a side

NOTE Confidence: 0.9642858

00:13:27.429 --> 00:13:28.824 time job where I could

NOTE Confidence: 0.9642858

00:13:28.824 --> 00:13:29.785 go to the games for

NOTE Confidence: 0.9642858

00:13:29.785 --> 00:13:31.065 free and, look after the

NOTE Confidence: 0.9642858

00:13:31.065 --> 00:13:31.565 players,
NOTE Confidence: 0.94287336

00:13:32.024 --> 00:13:33.464 but mostly the drunken fans,
NOTE Confidence: 0.94287336

00:13:33.464 --> 00:13:34.505 especially the ones that came
NOTE Confidence: 0.94287336

00:13:34.505 --> 00:13:36.125 up from Boston, actually, for
NOTE Confidence: 0.94287336

00:13:36.425 --> 00:13:38.045 the Bruins and Canadians games.
NOTE Confidence: 0.9796467

00:13:39.065 --> 00:13:39.865 And then, you know, as
NOTE Confidence: 0.9796467

00:13:39.865 --> 00:13:40.904 a lot of things happen,
NOTE Confidence: 0.9796467

00:13:40.904 --> 00:13:42.745 sometimes just luck falls on
NOTE Confidence: 0.9796467

00:13:42.745 --> 00:13:44.429 your side. I was operating
NOTE Confidence: 0.9796467

00:13:44.429 --> 00:13:46.190 one day in December. I
NOTE Confidence: 0.9796467

00:13:46.190 --> 00:13:47.470 was finishing in June in
NOTE Confidence: 0.9796467

00:13:47.470 --> 00:13:48.589 June. I wasn't sure what
NOTE Confidence: 0.9796467

00:13:48.589 --> 00:13:50.350 I was doing. And, the
NOTE Confidence: 0.9796467

00:13:50.350 --> 00:13:51.470 guy operating with me said,
NOTE Confidence: 0.9796467

00:13:51.470 --> 00:13:52.190 hey. Do you wanna go
NOTE Confidence: 0.9796467

00:13:52.190 --> 00:13:53.470 to Stanford for a fellowship?

NOTE Confidence: 0.9796467
00:13:53.470 --> 00:13:54.589 They just called me today.
NOTE Confidence: 0.9796467
00:13:54.589 --> 00:13:55.730 They have a spot open.
NOTE Confidence: 0.9796467
00:13:55.985 --> 00:13:56.865 And I was like, yeah.
NOTE Confidence: 0.9796467
00:13:56.865 --> 00:13:57.745 I'd love to go to
NOTE Confidence: 0.9796467
00:13:57.745 --> 00:13:59.125 Stanford. That sounds great.
NOTE Confidence: 0.9595693
00:13:59.425 --> 00:14:00.545 And at Stanford, I I
NOTE Confidence: 0.9595693
00:14:00.545 --> 00:14:01.905 really got a chance to
NOTE Confidence: 0.9595693
00:14:01.905 --> 00:14:02.945 spend not just a year
NOTE Confidence: 0.9595693
00:14:02.945 --> 00:14:04.305 as a fellow, but four
NOTE Confidence: 0.9595693
00:14:04.305 --> 00:14:05.365 years as an attending.
NOTE Confidence: 0.9986667
00:14:05.985 --> 00:14:07.265 In that process, I had
NOTE Confidence: 0.9986667
00:14:07.265 --> 00:14:08.165 a chance to
NOTE Confidence: 0.9629743
00:14:08.570 --> 00:14:10.030 get to know Norm Shumway,
NOTE Confidence: 0.9629743
00:14:10.170 --> 00:14:11.530 who, those of you may
NOTE Confidence: 0.9629743
00:14:11.530 --> 00:14:12.670 know doctor Shumway,
NOTE Confidence: 0.9995976

00:14:13.290 --> 00:14:14.510 did the first American
NOTE Confidence: 0.97521347

00:14:14.890 --> 00:14:16.429 transplant heart transplant.
NOTE Confidence: 0.96674836

00:14:17.130 --> 00:14:18.650 In fact, Christian Barnard did
NOTE Confidence: 0.96674836

00:14:18.650 --> 00:14:19.930 the first one. And at
NOTE Confidence: 0.96674836

00:14:19.930 --> 00:14:21.210 Stanford, we would always say
NOTE Confidence: 0.96674836

00:14:21.210 --> 00:14:22.590 that was the biggest intellectual
NOTE Confidence: 0.96674836

00:14:22.730 --> 00:14:25.214 theft in, medical history because
NOTE Confidence: 0.96674836

00:14:25.214 --> 00:14:26.894 Christian Barnard, and you may
NOTE Confidence: 0.96674836

00:14:26.894 --> 00:14:28.334 know the the the story,
NOTE Confidence: 0.96674836

00:14:28.334 --> 00:14:28.574 Tarek,
NOTE Confidence: 0.97435415

00:14:29.375 --> 00:14:31.055 went to Stanford. Some way
NOTE Confidence: 0.97435415

00:14:31.055 --> 00:14:31.855 would always put his arm
NOTE Confidence: 0.97435415

00:14:31.855 --> 00:14:32.654 around you and say, hey.
NOTE Confidence: 0.97435415

00:14:32.654 --> 00:14:33.375 Let me show you what
NOTE Confidence: 0.97435415

00:14:33.375 --> 00:14:34.495 we're doing. We've done three
NOTE Confidence: 0.97435415

00:14:34.495 --> 00:14:35.615 hundred dogs and this and

NOTE Confidence: 0.97435415

00:14:35.615 --> 00:14:36.730 all that. But, you know,

NOTE Confidence: 0.97435415

00:14:36.730 --> 00:14:37.530 we're not quite ready to

NOTE Confidence: 0.97435415

00:14:37.530 --> 00:14:38.570 do it because the laws

NOTE Confidence: 0.97435415

00:14:38.570 --> 00:14:39.530 won't allow me to. I'll

NOTE Confidence: 0.97435415

00:14:39.530 --> 00:14:40.570 probably go to jail if

NOTE Confidence: 0.97435415

00:14:40.570 --> 00:14:41.370 I take a brain dead

NOTE Confidence: 0.97435415

00:14:41.370 --> 00:14:42.430 donor in California.

NOTE Confidence: 0.9858766

00:14:42.810 --> 00:14:44.490 And so Christian Barnard promptly

NOTE Confidence: 0.9858766

00:14:44.490 --> 00:14:46.090 went back to South Africa

NOTE Confidence: 0.9858766

00:14:46.090 --> 00:14:47.310 and did the first transplant

NOTE Confidence: 0.9858766

00:14:47.370 --> 00:14:48.890 in the world, all based

NOTE Confidence: 0.9858766

00:14:48.890 --> 00:14:50.250 on the work that Norm

NOTE Confidence: 0.9858766

00:14:50.250 --> 00:14:51.690 Shumway and Richard Lauer had

NOTE Confidence: 0.9858766

00:14:51.690 --> 00:14:52.190 done.

NOTE Confidence: 0.9814476

00:14:52.785 --> 00:14:53.585 But I got to know

NOTE Confidence: 0.9814476

00:14:53.585 --> 00:14:55.105 doctor Shumway. I got to
NOTE Confidence: 0.9814476

00:14:55.105 --> 00:14:56.545 play golf with doctor Shumway
NOTE Confidence: 0.9814476

00:14:56.545 --> 00:14:57.585 quite a bit, and that
NOTE Confidence: 0.9814476

00:14:57.585 --> 00:14:58.785 was really a a unique
NOTE Confidence: 0.9814476

00:14:58.785 --> 00:14:59.285 experience.
NOTE Confidence: 0.96998876

00:14:59.825 --> 00:15:01.125 And here is doctor Shumway
NOTE Confidence: 0.96998876

00:15:01.185 --> 00:15:02.785 sitting at rounds. Even though
NOTE Confidence: 0.96998876

00:15:02.785 --> 00:15:03.665 he was retired, he would
NOTE Confidence: 0.96998876

00:15:03.665 --> 00:15:05.010 come into work every day.
NOTE Confidence: 0.96998876

00:15:05.250 --> 00:15:06.450 He would attend our selection
NOTE Confidence: 0.96998876

00:15:06.450 --> 00:15:08.210 committee meeting, and it was
NOTE Confidence: 0.96998876

00:15:08.210 --> 00:15:09.750 just a wonderful human being.
NOTE Confidence: 0.96998876

00:15:10.050 --> 00:15:11.090 The other individual I met
NOTE Confidence: 0.96998876

00:15:11.090 --> 00:15:12.130 there was who made a
NOTE Confidence: 0.96998876

00:15:12.130 --> 00:15:13.490 profound impact on my life
NOTE Confidence: 0.96998876

00:15:13.490 --> 00:15:14.690 was Bruce Wright, who did

NOTE Confidence: 0.96998876
00:15:14.690 --> 00:15:15.650 the first heart and lung
NOTE Confidence: 0.96998876
00:15:15.650 --> 00:15:17.410 transplant in the world, was
NOTE Confidence: 0.96998876
00:15:17.410 --> 00:15:18.530 chair at Johns Hopkins and
NOTE Confidence: 0.96998876
00:15:18.530 --> 00:15:19.730 then came back to Stanford
NOTE Confidence: 0.96998876
00:15:19.730 --> 00:15:21.135 to be chair. And, Bruce
NOTE Confidence: 0.96998876
00:15:21.135 --> 00:15:21.935 is the one who hired
NOTE Confidence: 0.96998876
00:15:21.935 --> 00:15:22.975 me to stay at Stanford,
NOTE Confidence: 0.96998876
00:15:22.975 --> 00:15:24.335 and I'm forever grateful to
NOTE Confidence: 0.96998876
00:15:24.335 --> 00:15:25.935 him. And as much as
NOTE Confidence: 0.96998876
00:15:25.935 --> 00:15:26.915 we loved Stanford,
NOTE Confidence: 0.97612834
00:15:27.695 --> 00:15:29.055 we we missed home, and,
NOTE Confidence: 0.97612834
00:15:29.295 --> 00:15:30.175 we missed the way of
NOTE Confidence: 0.97612834
00:15:30.175 --> 00:15:31.535 life in Canada. And this
NOTE Confidence: 0.97612834
00:15:31.535 --> 00:15:33.055 was very important, especially as
NOTE Confidence: 0.97612834
00:15:33.055 --> 00:15:34.350 I our fourth son was
NOTE Confidence: 0.97612834

00:15:34.350 --> 00:15:34.850 born.
NOTE Confidence: 0.98974186
00:15:35.470 --> 00:15:36.510 And I I was working
NOTE Confidence: 0.98974186
00:15:36.510 --> 00:15:37.550 really hard, which is fine.
NOTE Confidence: 0.98974186
00:15:37.550 --> 00:15:38.350 We all do when we're
NOTE Confidence: 0.98974186
00:15:38.350 --> 00:15:39.589 young, but it probably was
NOTE Confidence: 0.98974186
00:15:39.589 --> 00:15:40.510 a little bit too much
NOTE Confidence: 0.98974186
00:15:40.510 --> 00:15:41.710 on the work side. And,
NOTE Confidence: 0.98974186
00:15:42.029 --> 00:15:42.990 we decided to move back
NOTE Confidence: 0.98974186
00:15:42.990 --> 00:15:44.110 to Canada, which I think
NOTE Confidence: 0.98974186
00:15:44.110 --> 00:15:44.990 allowed me to be a
NOTE Confidence: 0.98974186
00:15:44.990 --> 00:15:46.750 better father. So we packed
NOTE Confidence: 0.98974186
00:15:46.750 --> 00:15:48.270 up, the four kids in
NOTE Confidence: 0.98974186
00:15:48.270 --> 00:15:49.570 a Toyota Sienna
NOTE Confidence: 0.9896192
00:15:50.004 --> 00:15:51.444 with a roof rack on
NOTE Confidence: 0.9896192
00:15:51.444 --> 00:15:52.745 the top and a dog,
NOTE Confidence: 0.9896192
00:15:52.964 --> 00:15:54.004 and it all went well

NOTE Confidence: 0.9896192
00:15:54.004 --> 00:15:54.964 for the first few hours
NOTE Confidence: 0.9896192
00:15:54.964 --> 00:15:56.345 until two of my children,
NOTE Confidence: 0.9651872
00:15:57.045 --> 00:15:58.264 threw up on the dog
NOTE Confidence: 0.9651872
00:15:58.324 --> 00:15:59.524 as we were pulling into
NOTE Confidence: 0.9651872
00:15:59.524 --> 00:16:01.285 Reno, Nevada. So we spent
NOTE Confidence: 0.9651872
00:16:01.285 --> 00:16:02.245 the the evening in the
NOTE Confidence: 0.9651872
00:16:02.245 --> 00:16:03.685 bathtub washing the dog and
NOTE Confidence: 0.9651872
00:16:03.685 --> 00:16:04.964 the car and the, the
NOTE Confidence: 0.9651872
00:16:04.964 --> 00:16:06.240 kids. But we over eight
NOTE Confidence: 0.9651872
00:16:06.240 --> 00:16:07.280 days, we made it back
NOTE Confidence: 0.9651872
00:16:07.280 --> 00:16:08.640 to Canada, and this was
NOTE Confidence: 0.9651872
00:16:08.640 --> 00:16:10.240 probably, a ten years of,
NOTE Confidence: 0.9651872
00:16:10.480 --> 00:16:11.680 a great experience for me.
NOTE Confidence: 0.9651872
00:16:11.680 --> 00:16:12.560 I I was young at
NOTE Confidence: 0.9651872
00:16:12.560 --> 00:16:13.360 the time, but I was
NOTE Confidence: 0.9651872

00:16:13.360 --> 00:16:14.580 a chief of that program.
NOTE Confidence: 0.9651872

00:16:14.880 --> 00:16:16.080 It was a provincial program
NOTE Confidence: 0.9651872

00:16:16.080 --> 00:16:17.360 where we interacted with the
NOTE Confidence: 0.9651872

00:16:17.360 --> 00:16:18.320 minister of health on a
NOTE Confidence: 0.9651872

00:16:18.320 --> 00:16:20.320 regular basis. The Canadian program's
NOTE Confidence: 0.9651872

00:16:20.320 --> 00:16:21.665 a little bit different, but
NOTE Confidence: 0.9651872

00:16:21.665 --> 00:16:22.384 we were able to grow
NOTE Confidence: 0.9651872

00:16:22.384 --> 00:16:23.264 a program that was doing
NOTE Confidence: 0.9651872

00:16:23.264 --> 00:16:24.384 around five, six hundred a
NOTE Confidence: 0.9651872

00:16:24.384 --> 00:16:25.504 case cases a year to
NOTE Confidence: 0.9651872

00:16:25.504 --> 00:16:26.704 about eight, nine hundred cases
NOTE Confidence: 0.9651872

00:16:26.704 --> 00:16:28.144 a year and and really
NOTE Confidence: 0.9651872

00:16:28.144 --> 00:16:29.264 gave me a a wonderful
NOTE Confidence: 0.9651872

00:16:29.264 --> 00:16:30.884 ex opportunity in leadership.
NOTE Confidence: 0.99422514

00:16:31.185 --> 00:16:32.064 It was the first time
NOTE Confidence: 0.99422514

00:16:32.064 --> 00:16:33.425 that I did, coaching to

NOTE Confidence: 0.99422514

00:16:33.425 --> 00:16:34.305 try to be a better

NOTE Confidence: 0.99422514

00:16:34.305 --> 00:16:35.890 leader, and I've I've gone

NOTE Confidence: 0.99422514

00:16:35.890 --> 00:16:37.010 on to do that now

NOTE Confidence: 0.99422514

00:16:37.010 --> 00:16:37.910 four other times.

NOTE Confidence: 0.95815396

00:16:38.450 --> 00:16:39.650 But, after a while in

NOTE Confidence: 0.95815396

00:16:39.650 --> 00:16:40.850 the Canadian system, there is

NOTE Confidence: 0.95815396

00:16:40.850 --> 00:16:41.430 a ceiling,

NOTE Confidence: 0.97681653

00:16:41.890 --> 00:16:43.170 and I I felt that

NOTE Confidence: 0.97681653

00:16:43.170 --> 00:16:44.130 for me, I we had

NOTE Confidence: 0.97681653

00:16:44.130 --> 00:16:45.410 accomplished there everything that we

NOTE Confidence: 0.97681653

00:16:45.410 --> 00:16:45.910 could.

NOTE Confidence: 0.9710332

00:16:46.610 --> 00:16:47.890 Maybe one straw that broke

NOTE Confidence: 0.9710332

00:16:47.890 --> 00:16:48.690 my back a little bit

NOTE Confidence: 0.9710332

00:16:48.690 --> 00:16:49.725 there. We'd worked for three

NOTE Confidence: 0.9710332

00:16:49.725 --> 00:16:50.765 years to build a brand

NOTE Confidence: 0.9710332

00:16:50.765 --> 00:16:51.645 new building, a heart and
NOTE Confidence: 0.9710332
00:16:51.645 --> 00:16:52.464 vascular center.
NOTE Confidence: 0.9591918
00:16:52.845 --> 00:16:53.885 We had all the funding.
NOTE Confidence: 0.9591918
00:16:53.885 --> 00:16:55.645 Everything was in place, and
NOTE Confidence: 0.9591918
00:16:55.645 --> 00:16:56.785 then there was an election.
NOTE Confidence: 0.9591918
00:16:56.845 --> 00:16:57.885 And then the party in
NOTE Confidence: 0.9591918
00:16:57.885 --> 00:16:59.645 power shifted to another party
NOTE Confidence: 0.9591918
00:16:59.645 --> 00:17:00.365 in power, and all of
NOTE Confidence: 0.9591918
00:17:00.365 --> 00:17:01.665 a sudden, everything was scrapped.
NOTE Confidence: 0.9951287
00:17:01.990 --> 00:17:03.110 And three, four years of
NOTE Confidence: 0.9951287
00:17:03.110 --> 00:17:04.230 work kind of was just
NOTE Confidence: 0.9951287
00:17:04.230 --> 00:17:05.350 put on complete hold. So
NOTE Confidence: 0.9951287
00:17:05.350 --> 00:17:06.070 at that time, I thought
NOTE Confidence: 0.9951287
00:17:06.070 --> 00:17:06.869 it was maybe good to
NOTE Confidence: 0.9951287
00:17:06.869 --> 00:17:08.390 reintegrate back into the American
NOTE Confidence: 0.9951287
00:17:08.390 --> 00:17:08.890 system.

NOTE Confidence: 0.9899842

00:17:09.190 --> 00:17:10.230 My older son was gonna

NOTE Confidence: 0.9899842

00:17:10.230 --> 00:17:11.350 go off to to college,

NOTE Confidence: 0.9899842

00:17:11.350 --> 00:17:12.150 so it was a good

NOTE Confidence: 0.9899842

00:17:12.150 --> 00:17:13.270 time. I was offered a

NOTE Confidence: 0.9899842

00:17:13.270 --> 00:17:14.890 position at, at the Brigham.

NOTE Confidence: 0.8016379

00:17:15.565 --> 00:17:17.805 And Brigham, really wonderful storied

NOTE Confidence: 0.8016379

00:17:17.805 --> 00:17:18.305 institution.

NOTE Confidence: 0.9250945

00:17:18.685 --> 00:17:19.885 One of my favorite meetings

NOTE Confidence: 0.9250945

00:17:19.885 --> 00:17:20.845 at the at the Brigham

NOTE Confidence: 0.9250945

00:17:20.845 --> 00:17:22.045 was a luncheon like this.

NOTE Confidence: 0.9250945

00:17:22.045 --> 00:17:23.565 I was grabbing a a

NOTE Confidence: 0.9250945

00:17:23.565 --> 00:17:25.405 box, and, this little guy

NOTE Confidence: 0.9250945

00:17:25.405 --> 00:17:26.285 was next to me, and

NOTE Confidence: 0.9250945

00:17:26.285 --> 00:17:27.165 he was like, hey. How

NOTE Confidence: 0.9250945

00:17:27.165 --> 00:17:28.445 are you doing? Jean. Jean

NOTE Confidence: 0.9250945

00:17:28.445 --> 00:17:29.665 Jean Brunnold.
NOTE Confidence: 0.94709826

00:17:30.289 --> 00:17:31.250 I was like, hey, doctor
NOTE Confidence: 0.94709826

00:17:31.250 --> 00:17:32.609 Brunwald. Mark Kelsey. Nice to
NOTE Confidence: 0.94709826

00:17:32.609 --> 00:17:33.270 meet you.
NOTE Confidence: 0.98964024

00:17:33.809 --> 00:17:34.369 But just,
NOTE Confidence: 0.9974449

00:17:34.850 --> 00:17:35.649 and if any of you
NOTE Confidence: 0.9974449

00:17:35.649 --> 00:17:36.710 have been at the Brigham,
NOTE Confidence: 0.9773195

00:17:37.090 --> 00:17:38.130 of all the places I've
NOTE Confidence: 0.9773195

00:17:38.130 --> 00:17:39.570 visited and have worked, the
NOTE Confidence: 0.9773195

00:17:39.570 --> 00:17:41.330 Shapiro building there is an
NOTE Confidence: 0.9773195

00:17:41.330 --> 00:17:43.330 absolute beautiful facility for patient
NOTE Confidence: 0.9773195

00:17:43.330 --> 00:17:44.130 care. If any of you
NOTE Confidence: 0.9773195

00:17:44.130 --> 00:17:45.270 had the chance to visit,
NOTE Confidence: 0.9773195

00:17:45.525 --> 00:17:46.725 all the patient rooms are
NOTE Confidence: 0.9773195

00:17:46.725 --> 00:17:48.325 individual patient rooms. They all
NOTE Confidence: 0.9773195

00:17:48.325 --> 00:17:49.365 have a couch that folds

NOTE Confidence: 0.9773195

00:17:49.365 --> 00:17:50.645 into a bed. Even the

NOTE Confidence: 0.9773195

00:17:50.645 --> 00:17:52.085 ICU beds, the the families

NOTE Confidence: 0.9773195

00:17:52.085 --> 00:17:53.205 are encouraged to stay there

NOTE Confidence: 0.9773195

00:17:53.205 --> 00:17:54.165 at night in the ICU.

NOTE Confidence: 0.9773195

00:17:54.165 --> 00:17:55.545 They're encouraged to stay there

NOTE Confidence: 0.9773195

00:17:55.765 --> 00:17:57.285 during the day. It's very

NOTE Confidence: 0.9773195

00:17:57.285 --> 00:17:59.125 family focused. In that entire

NOTE Confidence: 0.9773195

00:17:59.125 --> 00:17:59.625 building

NOTE Confidence: 0.9792705

00:17:59.960 --> 00:18:01.420 are all the offices where

NOTE Confidence: 0.9792705

00:18:01.560 --> 00:18:03.900 surgeons and cardiologists interact together.

NOTE Confidence: 0.9792705

00:18:03.960 --> 00:18:05.000 Like, how nice is that

NOTE Confidence: 0.9792705

00:18:05.000 --> 00:18:06.280 where, you know, I I

NOTE Confidence: 0.9792705

00:18:06.280 --> 00:18:07.400 shouldn't be in an office

NOTE Confidence: 0.9792705

00:18:07.400 --> 00:18:09.020 with plastic surgeons and colorectal

NOTE Confidence: 0.9792705

00:18:09.080 --> 00:18:10.119 surgeons. I should be in

NOTE Confidence: 0.9792705

00:18:10.119 --> 00:18:11.480 an office in the same
NOTE Confidence: 0.9792705

00:18:11.480 --> 00:18:12.859 area with you, with cardiologists,
NOTE Confidence: 0.9792705

00:18:13.080 --> 00:18:14.155 but that's the way we
NOTE Confidence: 0.9792705

00:18:14.155 --> 00:18:15.515 have it divided here currently.
NOTE Confidence: 0.9792705

00:18:15.515 --> 00:18:16.234 But that's one of the
NOTE Confidence: 0.9792705

00:18:16.234 --> 00:18:17.115 things I I would love
NOTE Confidence: 0.9792705

00:18:17.115 --> 00:18:18.234 to see change a little
NOTE Confidence: 0.9792705

00:18:18.234 --> 00:18:19.835 bit. The conference rooms are
NOTE Confidence: 0.9792705

00:18:19.835 --> 00:18:21.035 in this building. The ORs,
NOTE Confidence: 0.9792705

00:18:21.035 --> 00:18:21.994 the cath labs are all
NOTE Confidence: 0.9792705

00:18:21.994 --> 00:18:23.435 just down below. So it's
NOTE Confidence: 0.9792705

00:18:23.435 --> 00:18:25.355 all just one entity within
NOTE Confidence: 0.9792705

00:18:25.355 --> 00:18:26.475 kind of a hospital system
NOTE Confidence: 0.9792705

00:18:26.475 --> 00:18:27.275 like this, which is a
NOTE Confidence: 0.9792705

00:18:27.275 --> 00:18:29.129 little bit, hodgepodge as it's
NOTE Confidence: 0.9792705

00:18:29.129 --> 00:18:30.590 been built over the years.

NOTE Confidence: 0.95303315
00:18:30.970 --> 00:18:31.769 Anyway, I had a good
NOTE Confidence: 0.95303315
00:18:31.769 --> 00:18:33.049 tenure there, and I was
NOTE Confidence: 0.95303315
00:18:33.049 --> 00:18:34.169 offered a a chance to
NOTE Confidence: 0.95303315
00:18:34.169 --> 00:18:35.609 join Joe Sabik at Case
NOTE Confidence: 0.95303315
00:18:35.609 --> 00:18:36.109 Western,
NOTE Confidence: 0.9728068
00:18:37.129 --> 00:18:37.929 which I thought for me
NOTE Confidence: 0.9728068
00:18:37.929 --> 00:18:38.889 was very important. It was
NOTE Confidence: 0.9728068
00:18:38.889 --> 00:18:39.929 a leadership position in the
NOTE Confidence: 0.9728068
00:18:39.929 --> 00:18:41.675 states. So once more, I
NOTE Confidence: 0.9728068
00:18:41.675 --> 00:18:42.555 told the boys we were
NOTE Confidence: 0.9728068
00:18:42.555 --> 00:18:43.595 packing up. We went to,
NOTE Confidence: 0.9728068
00:18:43.915 --> 00:18:44.415 Cleveland,
NOTE Confidence: 0.9649801
00:18:44.955 --> 00:18:46.715 and really had six wonderful
NOTE Confidence: 0.9649801
00:18:46.715 --> 00:18:48.155 years there with an amazing
NOTE Confidence: 0.9649801
00:18:48.155 --> 00:18:48.655 group,
NOTE Confidence: 0.96427023

00:18:49.515 --> 00:18:50.395 you know, that had been
NOTE Confidence: 0.96427023

00:18:50.395 --> 00:18:51.515 led by Dan Simon who
NOTE Confidence: 0.96427023

00:18:51.515 --> 00:18:52.715 was formerly at the Brigham
NOTE Confidence: 0.96427023

00:18:52.715 --> 00:18:53.675 and and who had really
NOTE Confidence: 0.96427023

00:18:53.675 --> 00:18:55.450 revamped that group. And on
NOTE Confidence: 0.96427023

00:18:55.450 --> 00:18:56.590 the surgery side,
NOTE Confidence: 0.95720524

00:18:57.130 --> 00:18:58.810 this is Joe Sabik, who's
NOTE Confidence: 0.95720524

00:18:58.810 --> 00:19:00.250 department chair. He's the STS
NOTE Confidence: 0.95720524

00:19:00.250 --> 00:19:01.370 president this year.
NOTE Confidence: 0.97625834

00:19:01.690 --> 00:19:02.970 Joe has asked me to
NOTE Confidence: 0.97625834

00:19:02.970 --> 00:19:04.570 be the program chair meeting
NOTE Confidence: 0.97625834

00:19:04.570 --> 00:19:05.770 for the twenty twenty six
NOTE Confidence: 0.97625834

00:19:05.770 --> 00:19:07.050 STS, and it's wonderful to
NOTE Confidence: 0.97625834

00:19:07.050 --> 00:19:07.930 be able to do to
NOTE Confidence: 0.97625834

00:19:07.930 --> 00:19:09.554 do that. And, this guy
NOTE Confidence: 0.97625834

00:19:09.554 --> 00:19:11.635 we recruited from Papworth Yasser

NOTE Confidence: 0.97625834
00:19:11.635 --> 00:19:12.375 Abu Omar,
NOTE Confidence: 0.99419254
00:19:12.755 --> 00:19:13.955 and he's now currently the
NOTE Confidence: 0.99419254
00:19:13.955 --> 00:19:14.835 chief. So it was nice
NOTE Confidence: 0.99419254
00:19:14.835 --> 00:19:15.475 to be able to be
NOTE Confidence: 0.99419254
00:19:15.475 --> 00:19:17.475 the chief, recruit somebody, and
NOTE Confidence: 0.99419254
00:19:17.475 --> 00:19:18.835 have an internal candidate that
NOTE Confidence: 0.99419254
00:19:18.835 --> 00:19:20.275 came up and, and took
NOTE Confidence: 0.99419254
00:19:20.275 --> 00:19:20.934 that position.
NOTE Confidence: 0.9573875
00:19:21.430 --> 00:19:22.470 And we had a very
NOTE Confidence: 0.9573875
00:19:22.470 --> 00:19:23.750 collegial team there. Here we
NOTE Confidence: 0.9573875
00:19:23.750 --> 00:19:25.270 are skiing, at Vail. A
NOTE Confidence: 0.9573875
00:19:25.270 --> 00:19:26.150 whole bunch of us would
NOTE Confidence: 0.9573875
00:19:26.150 --> 00:19:27.990 go, every year, but I
NOTE Confidence: 0.9573875
00:19:27.990 --> 00:19:29.190 was introduced to the,
NOTE Confidence: 0.9986559
00:19:30.310 --> 00:19:31.050 the absolute
NOTE Confidence: 0.998556

00:19:31.910 --> 00:19:32.869 despair that is to be
NOTE Confidence: 0.998556

00:19:32.869 --> 00:19:34.010 a Cleveland fan.
NOTE Confidence: 0.9536968

00:19:35.125 --> 00:19:36.165 Boy, oh, boy, I'm I'm,
NOTE Confidence: 0.9536968

00:19:36.165 --> 00:19:37.125 you know, I kinda like
NOTE Confidence: 0.9536968

00:19:37.125 --> 00:19:38.005 the Browns, but I'm glad
NOTE Confidence: 0.9536968

00:19:38.005 --> 00:19:39.125 I didn't grow up rooting
NOTE Confidence: 0.9536968

00:19:39.125 --> 00:19:40.005 for the Browns because it
NOTE Confidence: 0.9536968

00:19:40.085 --> 00:19:41.684 it's just, one season of
NOTE Confidence: 0.9536968

00:19:41.684 --> 00:19:42.825 despair after another.
NOTE Confidence: 0.9909309

00:19:43.205 --> 00:19:44.805 And doctor Kelsey Gray was
NOTE Confidence: 0.9909309

00:19:44.805 --> 00:19:46.325 our trainee there. I'll introduce
NOTE Confidence: 0.9909309

00:19:46.325 --> 00:19:47.285 you to her later. She'll
NOTE Confidence: 0.9909309

00:19:47.285 --> 00:19:48.325 show a couple of videos
NOTE Confidence: 0.9909309

00:19:48.325 --> 00:19:49.590 of some of the really
NOTE Confidence: 0.9909309

00:19:49.590 --> 00:19:51.109 cool and amazing stuff, that
NOTE Confidence: 0.9909309

00:19:51.109 --> 00:19:51.850 she's doing.

NOTE Confidence: 0.94458526

00:19:52.230 --> 00:19:53.270 And this was the setup

NOTE Confidence: 0.94458526

00:19:53.270 --> 00:19:55.190 of our program in Cleveland

NOTE Confidence: 0.94458526

00:19:55.190 --> 00:19:56.090 where we actually,

NOTE Confidence: 0.9853373

00:19:56.470 --> 00:19:57.670 ran a central hub and

NOTE Confidence: 0.9853373

00:19:57.670 --> 00:19:59.030 spoke system with a central

NOTE Confidence: 0.9853373

00:19:59.030 --> 00:20:00.410 hospital that was our quaternary

NOTE Confidence: 0.9853373

00:20:00.470 --> 00:20:02.655 cardiac surgery center and five

NOTE Confidence: 0.9853373

00:20:02.655 --> 00:20:04.095 other hospitals around it that

NOTE Confidence: 0.9853373

00:20:04.095 --> 00:20:05.375 all did behind between a

NOTE Confidence: 0.9853373

00:20:05.375 --> 00:20:06.595 hundred and two hundred cases,

NOTE Confidence: 0.9853373

00:20:06.815 --> 00:20:07.695 but would feed all of

NOTE Confidence: 0.9853373

00:20:07.695 --> 00:20:09.055 our complex cases into our

NOTE Confidence: 0.9853373

00:20:09.055 --> 00:20:10.815 quaternary center. These were all

NOTE Confidence: 0.9853373

00:20:10.815 --> 00:20:12.755 the same surgeons, same perfusionists,

NOTE Confidence: 0.9545481

00:20:13.455 --> 00:20:14.975 same OR assistance that would

NOTE Confidence: 0.9545481

00:20:14.975 --> 00:20:16.415 travel from from site to
NOTE Confidence: 0.9545481
00:20:16.415 --> 00:20:16.915 site.
NOTE Confidence: 0.9673895
00:20:18.240 --> 00:20:19.859 And so, I was approached
NOTE Confidence: 0.9673895
00:20:19.919 --> 00:20:21.520 a little while ago about
NOTE Confidence: 0.9673895
00:20:21.520 --> 00:20:22.640 the position at Yale, and
NOTE Confidence: 0.9673895
00:20:22.640 --> 00:20:23.600 it just seemed that the
NOTE Confidence: 0.9673895
00:20:23.600 --> 00:20:24.880 timing was right. Our youngest
NOTE Confidence: 0.9673895
00:20:24.880 --> 00:20:26.180 boy was leaving the house.
NOTE Confidence: 0.9673895
00:20:26.240 --> 00:20:27.440 We weren't gonna be moving
NOTE Confidence: 0.9673895
00:20:27.440 --> 00:20:28.800 any kids at all anymore,
NOTE Confidence: 0.9673895
00:20:28.800 --> 00:20:29.920 which we had promised not
NOTE Confidence: 0.9673895
00:20:29.920 --> 00:20:31.184 to do. And I miss
NOTE Confidence: 0.9673895
00:20:31.184 --> 00:20:32.225 being on the East Coast
NOTE Confidence: 0.9673895
00:20:32.225 --> 00:20:33.105 where my wife and I
NOTE Confidence: 0.9673895
00:20:33.105 --> 00:20:34.145 are both from New Brunswick.
NOTE Confidence: 0.9673895
00:20:34.304 --> 00:20:35.904 We like being close to

NOTE Confidence: 0.9673895

00:20:35.904 --> 00:20:36.404 family,

NOTE Confidence: 0.98205334

00:20:36.945 --> 00:20:38.304 and also the opportunity to

NOTE Confidence: 0.98205334

00:20:38.304 --> 00:20:39.585 work at Yale, and maybe

NOTE Confidence: 0.98205334

00:20:39.585 --> 00:20:40.945 some of us take that

NOTE Confidence: 0.98205334

00:20:40.945 --> 00:20:41.984 for granted. I know some

NOTE Confidence: 0.98205334

00:20:41.984 --> 00:20:42.865 of you take that for

NOTE Confidence: 0.98205334

00:20:42.865 --> 00:20:43.904 granted because I hear it

NOTE Confidence: 0.98205334

00:20:43.904 --> 00:20:44.784 all the time. You work

NOTE Confidence: 0.98205334

00:20:44.784 --> 00:20:46.085 in an amazing institution

NOTE Confidence: 0.9871028

00:20:46.460 --> 00:20:48.220 with an international reputation that

NOTE Confidence: 0.9871028

00:20:48.220 --> 00:20:49.580 you probably don't even realize

NOTE Confidence: 0.9871028

00:20:49.580 --> 00:20:50.540 how good it is, and

NOTE Confidence: 0.9871028

00:20:50.540 --> 00:20:52.300 we sometimes focus on the

NOTE Confidence: 0.9871028

00:20:52.300 --> 00:20:53.580 internal negative things that we

NOTE Confidence: 0.9871028

00:20:53.580 --> 00:20:54.940 have. But we we are

NOTE Confidence: 0.9871028

00:20:54.940 --> 00:20:56.060 all fortunate to work at
NOTE Confidence: 0.9871028

00:20:56.060 --> 00:20:56.800 an unbelievable
NOTE Confidence: 0.99494004

00:20:57.180 --> 00:20:57.680 institution.
NOTE Confidence: 0.9912914

00:20:58.220 --> 00:20:59.420 I'm also fortunate to work
NOTE Confidence: 0.9912914

00:20:59.420 --> 00:21:00.220 with a lot of really
NOTE Confidence: 0.9912914

00:21:00.220 --> 00:21:01.165 good partners, and I think
NOTE Confidence: 0.9912914

00:21:01.165 --> 00:21:02.605 you've all interacted with some
NOTE Confidence: 0.9912914

00:21:02.605 --> 00:21:03.425 of these individuals.
NOTE Confidence: 0.87604076

00:21:04.365 --> 00:21:05.665 But John Eleftheriades,
NOTE Confidence: 0.9176585

00:21:06.125 --> 00:21:07.105 who was really,
NOTE Confidence: 0.9937051

00:21:07.725 --> 00:21:08.765 helped to pave the way
NOTE Confidence: 0.9937051

00:21:08.765 --> 00:21:10.365 for how well known Yale
NOTE Confidence: 0.9937051

00:21:10.365 --> 00:21:11.645 is in the cardiac surgery
NOTE Confidence: 0.9937051

00:21:11.645 --> 00:21:12.145 community
NOTE Confidence: 0.9577494

00:21:12.445 --> 00:21:13.950 because of his aortic work.
NOTE Confidence: 0.9577494

00:21:14.269 --> 00:21:15.389 Prashant, as you know, has

NOTE Confidence: 0.9577494

00:21:15.389 --> 00:21:16.750 done just an amazing job

NOTE Confidence: 0.9577494

00:21:16.750 --> 00:21:18.669 with, a multitude of tough

NOTE Confidence: 0.9577494

00:21:18.669 --> 00:21:19.570 aortic cases,

NOTE Confidence: 0.94428825

00:21:20.109 --> 00:21:21.630 and I'm surrounded by a

NOTE Confidence: 0.94428825

00:21:21.630 --> 00:21:23.470 host of really smart, talented

NOTE Confidence: 0.94428825

00:21:23.470 --> 00:21:25.869 people, Rita Malewski, Pramod Bond,

NOTE Confidence: 0.94428825

00:21:25.869 --> 00:21:26.850 Matthew Williams.

NOTE Confidence: 0.9448438

00:21:27.725 --> 00:21:29.484 Our our congenital team with

NOTE Confidence: 0.9448438

00:21:29.484 --> 00:21:31.665 Peter, Gruber and Madonna Lee.

NOTE Confidence: 0.9448438

00:21:31.885 --> 00:21:33.165 Our our VA team and

NOTE Confidence: 0.9448438

00:21:33.165 --> 00:21:34.285 Roland Ossie is on here

NOTE Confidence: 0.9448438

00:21:34.285 --> 00:21:35.325 because he's leading that team,

NOTE Confidence: 0.9448438

00:21:35.325 --> 00:21:36.365 but Roland is really more

NOTE Confidence: 0.9448438

00:21:36.365 --> 00:21:37.325 here than he is there.

NOTE Confidence: 0.9448438

00:21:37.325 --> 00:21:39.105 And an amazing young surgeon

NOTE Confidence: 0.9448438

00:21:39.165 --> 00:21:41.100 who's NIH funded along with
NOTE Confidence: 0.9448438

00:21:41.100 --> 00:21:43.180 George Salides and our Bridgeport
NOTE Confidence: 0.9448438

00:21:43.180 --> 00:21:44.540 team that's responsible for a
NOTE Confidence: 0.9448438

00:21:44.540 --> 00:21:45.760 lot of our, volume.
NOTE Confidence: 0.9778698

00:21:46.300 --> 00:21:47.260 Later on, you'll get to
NOTE Confidence: 0.9778698

00:21:47.260 --> 00:21:48.940 meet doctor Kelsey Grace. So
NOTE Confidence: 0.9778698

00:21:48.940 --> 00:21:49.820 one of the things that
NOTE Confidence: 0.9778698

00:21:49.820 --> 00:21:50.619 you do when you come
NOTE Confidence: 0.9778698

00:21:50.619 --> 00:21:51.420 in is you try to
NOTE Confidence: 0.9778698

00:21:51.420 --> 00:21:52.300 assess the needs of an
NOTE Confidence: 0.9778698

00:21:52.300 --> 00:21:52.800 institution
NOTE Confidence: 0.99902403

00:21:53.205 --> 00:21:54.164 and you try to hire
NOTE Confidence: 0.99902403

00:21:54.164 --> 00:21:55.524 people that will fill in
NOTE Confidence: 0.99902403

00:21:55.524 --> 00:21:56.664 some of those needs.
NOTE Confidence: 0.99926007

00:21:57.044 --> 00:21:58.825 Our transplant program had
NOTE Confidence: 0.91661483

00:21:59.125 --> 00:22:00.244 a need for somebody who

NOTE Confidence: 0.91661483
00:22:00.244 --> 00:22:02.244 was technically very strong, and
NOTE Confidence: 0.91661483
00:22:02.244 --> 00:22:03.445 Kelsey is somebody that we
NOTE Confidence: 0.91661483
00:22:03.445 --> 00:22:04.804 had trained in Cleveland, did
NOTE Confidence: 0.91661483
00:22:04.804 --> 00:22:05.605 all of our heart and
NOTE Confidence: 0.91661483
00:22:05.605 --> 00:22:07.140 lung transplants, VADs,
NOTE Confidence: 0.9686645
00:22:07.619 --> 00:22:08.119 amazingly,
NOTE Confidence: 0.987155
00:22:08.500 --> 00:22:09.940 good technical surgeon and a
NOTE Confidence: 0.987155
00:22:09.940 --> 00:22:11.780 wonderful human being, and she
NOTE Confidence: 0.987155
00:22:11.780 --> 00:22:13.140 agreed to to jump ship
NOTE Confidence: 0.987155
00:22:13.140 --> 00:22:14.180 and to join us here.
NOTE Confidence: 0.987155
00:22:14.180 --> 00:22:15.320 So thank you, Kelsey.
NOTE Confidence: 0.9833679
00:22:15.700 --> 00:22:18.100 And, Makoto Mori also this
NOTE Confidence: 0.9833679
00:22:18.100 --> 00:22:19.460 was really important to hire
NOTE Confidence: 0.9833679
00:22:19.460 --> 00:22:20.660 somebody like Makoto. He was
NOTE Confidence: 0.9833679
00:22:20.660 --> 00:22:22.035 one of our trainees. It
NOTE Confidence: 0.9833679

00:22:22.115 --> 00:22:23.395 sent a very strong message.
NOTE Confidence: 0.9833679

00:22:23.395 --> 00:22:24.355 This was somebody that was
NOTE Confidence: 0.9833679

00:22:24.355 --> 00:22:26.355 part of our our, research
NOTE Confidence: 0.9833679

00:22:26.355 --> 00:22:28.035 program as a resident, was
NOTE Confidence: 0.9833679

00:22:28.035 --> 00:22:28.775 an amazingly
NOTE Confidence: 0.9746406

00:22:29.155 --> 00:22:31.075 prolific author, and went to
NOTE Confidence: 0.9746406

00:22:31.075 --> 00:22:32.355 do a fellowship. And to
NOTE Confidence: 0.9746406

00:22:32.355 --> 00:22:33.555 bring somebody like that is
NOTE Confidence: 0.9746406

00:22:33.555 --> 00:22:34.050 not only good
NOTE Confidence: 0.98313683

00:22:36.050 --> 00:22:36.090 for us, but I think
NOTE Confidence: 0.98313683

00:22:36.090 --> 00:22:36.130 it sends a a wonderful
NOTE Confidence: 0.98313683

00:22:36.130 --> 00:22:37.250 message to the people that
NOTE Confidence: 0.98313683

00:22:37.250 --> 00:22:38.369 we have at Yale that
NOTE Confidence: 0.98313683

00:22:38.369 --> 00:22:39.330 if you do well here
NOTE Confidence: 0.98313683

00:22:39.330 --> 00:22:40.530 and you you do good
NOTE Confidence: 0.98313683

00:22:40.530 --> 00:22:41.810 things, we wanna keep you.

NOTE Confidence: 0.98313683
00:22:41.810 --> 00:22:42.690 We wanna bring you back
NOTE Confidence: 0.98313683
00:22:42.690 --> 00:22:44.450 here. I'm particularly fond of
NOTE Confidence: 0.98313683
00:22:44.450 --> 00:22:45.650 this photo. Now I shouldn't
NOTE Confidence: 0.98313683
00:22:45.650 --> 00:22:47.330 be. It's it's difficult to
NOTE Confidence: 0.98313683
00:22:47.330 --> 00:22:48.450 say that in twenty twenty
NOTE Confidence: 0.98313683
00:22:48.450 --> 00:22:49.825 five, you're so proud of
NOTE Confidence: 0.98313683
00:22:49.825 --> 00:22:51.425 an all female team. But
NOTE Confidence: 0.98313683
00:22:51.425 --> 00:22:52.385 you have to understand where
NOTE Confidence: 0.98313683
00:22:52.385 --> 00:22:53.425 we came from in cardiac
NOTE Confidence: 0.98313683
00:22:53.425 --> 00:22:54.705 surgery. Ten or fifteen years
NOTE Confidence: 0.98313683
00:22:54.705 --> 00:22:55.905 ago, ten percent or less
NOTE Confidence: 0.98313683
00:22:55.905 --> 00:22:57.525 of our workforce was female.
NOTE Confidence: 0.98313683
00:22:57.745 --> 00:22:59.105 We are making great strides,
NOTE Confidence: 0.98313683
00:22:59.105 --> 00:23:00.145 but we are still behind
NOTE Confidence: 0.98313683
00:23:00.145 --> 00:23:00.865 a lot of the other
NOTE Confidence: 0.98313683

00:23:00.865 --> 00:23:01.365 specialties.

NOTE Confidence: 0.9762809

00:23:01.770 --> 00:23:02.650 So this was a case,

NOTE Confidence: 0.9762809

00:23:02.650 --> 00:23:03.609 I think, last week or

NOTE Confidence: 0.9762809

00:23:03.609 --> 00:23:04.090 so.

NOTE Confidence: 0.97754425

00:23:04.410 --> 00:23:05.850 Kelsey was operating, and we

NOTE Confidence: 0.97754425

00:23:05.850 --> 00:23:07.050 had, you know, our tech,

NOTE Confidence: 0.97754425

00:23:07.050 --> 00:23:08.830 our perfusionist, our anesthesiologist.

NOTE Confidence: 0.9698209

00:23:09.369 --> 00:23:10.890 The entire team was was

NOTE Confidence: 0.9698209

00:23:10.890 --> 00:23:11.930 female, and it was just

NOTE Confidence: 0.9698209

00:23:11.930 --> 00:23:12.730 awesome to see, and they

NOTE Confidence: 0.9698209

00:23:12.730 --> 00:23:14.090 were so proud, to to

NOTE Confidence: 0.9698209

00:23:14.090 --> 00:23:15.355 take this photo. The only

NOTE Confidence: 0.9698209

00:23:15.355 --> 00:23:16.475 one who's not smiling and

NOTE Confidence: 0.9698209

00:23:16.475 --> 00:23:17.674 focused there is doctor Gray.

NOTE Confidence: 0.9698209

00:23:17.674 --> 00:23:18.635 I think she's doing a

NOTE Confidence: 0.9698209

00:23:18.635 --> 00:23:19.675 distal or something like that.

NOTE Confidence: 0.9698209
00:23:19.675 --> 00:23:19.835 She
NOTE Confidence: 0.97721785
00:23:21.034 --> 00:23:21.835 and as you know in
NOTE Confidence: 0.97721785
00:23:21.835 --> 00:23:23.195 the operating room, which is
NOTE Confidence: 0.97721785
00:23:23.195 --> 00:23:24.635 a little bit different sometimes
NOTE Confidence: 0.97721785
00:23:24.635 --> 00:23:25.674 than in the cath lab,
NOTE Confidence: 0.97721785
00:23:25.674 --> 00:23:26.554 and I've spent a lot
NOTE Confidence: 0.97721785
00:23:26.554 --> 00:23:27.355 of time in the cath
NOTE Confidence: 0.97721785
00:23:27.355 --> 00:23:28.570 lab where you have two
NOTE Confidence: 0.97721785
00:23:28.570 --> 00:23:30.090 or three, four people, and
NOTE Confidence: 0.97721785
00:23:30.090 --> 00:23:31.530 that's usually plenty to do
NOTE Confidence: 0.97721785
00:23:31.530 --> 00:23:32.410 what you need to to
NOTE Confidence: 0.97721785
00:23:32.410 --> 00:23:33.690 do. We need a lot
NOTE Confidence: 0.97721785
00:23:33.690 --> 00:23:35.050 of help in cardiac surgery.
NOTE Confidence: 0.97721785
00:23:35.050 --> 00:23:36.010 There's nothing that I do
NOTE Confidence: 0.97721785
00:23:36.010 --> 00:23:37.050 that I can't do by
NOTE Confidence: 0.97721785

00:23:37.050 --> 00:23:37.550 myself,
NOTE Confidence: 0.97596186

00:23:38.010 --> 00:23:39.290 and that team involves a
NOTE Confidence: 0.97596186

00:23:39.290 --> 00:23:40.815 whole bunch of people. And
NOTE Confidence: 0.97596186

00:23:40.815 --> 00:23:41.855 that's where I think Yale
NOTE Confidence: 0.97596186

00:23:42.014 --> 00:23:43.294 my observation has been is
NOTE Confidence: 0.97596186

00:23:43.294 --> 00:23:45.135 particularly strong. We are I
NOTE Confidence: 0.97596186

00:23:45.135 --> 00:23:46.255 I describe to people all
NOTE Confidence: 0.97596186

00:23:46.255 --> 00:23:46.975 the time. I think we
NOTE Confidence: 0.97596186

00:23:46.975 --> 00:23:48.655 are people strong. Sometimes we're
NOTE Confidence: 0.97596186

00:23:48.655 --> 00:23:49.855 a little bit resource poor
NOTE Confidence: 0.97596186

00:23:49.855 --> 00:23:50.975 or we act like resource
NOTE Confidence: 0.97596186

00:23:50.975 --> 00:23:52.835 poor, but we're people strong,
NOTE Confidence: 0.97596186

00:23:52.894 --> 00:23:54.595 whether that's nursing, anesthesia,
NOTE Confidence: 0.96877277

00:23:55.220 --> 00:23:56.820 our physician assistant teams, our
NOTE Confidence: 0.96877277

00:23:56.820 --> 00:23:57.880 perfusion team,
NOTE Confidence: 0.95415556

00:23:58.500 --> 00:23:59.300 and that goes on to

NOTE Confidence: 0.95415556

00:23:59.300 --> 00:24:00.500 our ICU team and our

NOTE Confidence: 0.95415556

00:24:00.500 --> 00:24:01.940 nursing team. And and I

NOTE Confidence: 0.95415556

00:24:01.940 --> 00:24:02.980 think a a bunch of

NOTE Confidence: 0.95415556

00:24:02.980 --> 00:24:04.420 absolute rock stars, which is

NOTE Confidence: 0.95415556

00:24:04.420 --> 00:24:05.800 our residency program.

NOTE Confidence: 0.99153405

00:24:06.340 --> 00:24:08.180 These these guys and girls

NOTE Confidence: 0.99153405

00:24:08.180 --> 00:24:09.940 are amazing. They're doing incredible

NOTE Confidence: 0.99153405

00:24:09.940 --> 00:24:11.455 things, and it's really an

NOTE Confidence: 0.99153405

00:24:11.455 --> 00:24:12.335 honor to try to help

NOTE Confidence: 0.99153405

00:24:12.335 --> 00:24:14.274 them along, in their career.

NOTE Confidence: 0.9554362

00:24:14.894 --> 00:24:16.095 So to share with you

NOTE Confidence: 0.9554362

00:24:16.095 --> 00:24:16.815 a little bit of where

NOTE Confidence: 0.9554362

00:24:16.815 --> 00:24:17.774 we are now, so we

NOTE Confidence: 0.9554362

00:24:17.774 --> 00:24:18.815 are known for a lot

NOTE Confidence: 0.9554362

00:24:18.815 --> 00:24:20.255 of things, mainly our aortic

NOTE Confidence: 0.9554362

00:24:20.255 --> 00:24:21.855 program that's that was led
NOTE Confidence: 0.9554362

00:24:21.855 --> 00:24:23.840 by John e, Our structural
NOTE Confidence: 0.9554362

00:24:23.840 --> 00:24:25.200 heart program that has been
NOTE Confidence: 0.9554362

00:24:25.200 --> 00:24:26.480 led by John Forrest and
NOTE Confidence: 0.9554362

00:24:26.480 --> 00:24:27.760 Amit and every the whole
NOTE Confidence: 0.9554362

00:24:27.840 --> 00:24:29.520 the entire team has nationally
NOTE Confidence: 0.9554362

00:24:29.520 --> 00:24:30.560 been involved in in big
NOTE Confidence: 0.9554362

00:24:30.560 --> 00:24:31.060 trials.
NOTE Confidence: 0.97006744

00:24:31.600 --> 00:24:32.400 When R and R was
NOTE Confidence: 0.97006744

00:24:32.400 --> 00:24:33.359 here, there was a big
NOTE Confidence: 0.97006744

00:24:33.359 --> 00:24:34.880 robotic mitral presence. We were
NOTE Confidence: 0.97006744

00:24:34.880 --> 00:24:36.480 doing fifty to eighty robotic
NOTE Confidence: 0.97006744

00:24:36.480 --> 00:24:38.395 mitrals a year and bringing
NOTE Confidence: 0.97006744

00:24:38.395 --> 00:24:39.755 groups in. But when R
NOTE Confidence: 0.97006744

00:24:39.755 --> 00:24:40.635 and R left in twenty
NOTE Confidence: 0.97006744

00:24:40.635 --> 00:24:42.234 three, that skill set disappeared

NOTE Confidence: 0.97006744

00:24:42.234 --> 00:24:43.115 here for a couple of

NOTE Confidence: 0.97006744

00:24:43.115 --> 00:24:44.075 years, and we've been able

NOTE Confidence: 0.97006744

00:24:44.075 --> 00:24:45.355 to bring it back. And

NOTE Confidence: 0.97006744

00:24:45.355 --> 00:24:46.635 doctor Glenn for the Glenn

NOTE Confidence: 0.97006744

00:24:46.635 --> 00:24:48.335 procedure and our Glenn chair,

NOTE Confidence: 0.9930641

00:24:48.795 --> 00:24:49.835 really put Yale on the

NOTE Confidence: 0.9930641

00:24:49.835 --> 00:24:51.535 map many, many years ago.

NOTE Confidence: 0.9796861

00:24:52.250 --> 00:24:53.369 This is our volume over

NOTE Confidence: 0.9796861

00:24:53.369 --> 00:24:54.409 the last few years, and

NOTE Confidence: 0.9796861

00:24:54.409 --> 00:24:55.289 as you can see, it's

NOTE Confidence: 0.9796861

00:24:55.289 --> 00:24:56.889 been relatively steady. We've had

NOTE Confidence: 0.9796861

00:24:56.889 --> 00:24:58.169 minor ups and downs, but

NOTE Confidence: 0.9796861

00:24:58.169 --> 00:24:59.769 never more than about a

NOTE Confidence: 0.9796861

00:24:59.769 --> 00:25:01.549 five or ten percent variation.

NOTE Confidence: 0.98957354

00:25:02.169 --> 00:25:02.970 And then when you look

NOTE Confidence: 0.98957354

00:25:02.970 --> 00:25:04.090 at where that volume is
NOTE Confidence: 0.98957354

00:25:04.090 --> 00:25:05.415 coming from, about four fifths
NOTE Confidence: 0.98957354

00:25:05.415 --> 00:25:06.735 of it, about eighty percent
NOTE Confidence: 0.98957354

00:25:06.735 --> 00:25:07.695 of it is done here
NOTE Confidence: 0.98957354

00:25:07.695 --> 00:25:09.295 at Yale, and the rest
NOTE Confidence: 0.98957354

00:25:09.295 --> 00:25:10.515 is done at Bridgeport.
NOTE Confidence: 0.9820411

00:25:11.055 --> 00:25:11.935 And when we break that
NOTE Confidence: 0.9820411

00:25:11.935 --> 00:25:12.735 down a little bit more
NOTE Confidence: 0.9820411

00:25:12.735 --> 00:25:13.775 in term terms of the
NOTE Confidence: 0.9820411

00:25:13.775 --> 00:25:15.535 major procedures that we do,
NOTE Confidence: 0.9820411

00:25:15.535 --> 00:25:16.655 you'll see that by far
NOTE Confidence: 0.9820411

00:25:16.655 --> 00:25:18.015 the the biggest number of
NOTE Confidence: 0.9820411

00:25:18.015 --> 00:25:19.695 isolated procedures we do is
NOTE Confidence: 0.9820411

00:25:19.695 --> 00:25:21.770 coronary bypass surgery. That's still
NOTE Confidence: 0.9820411

00:25:21.990 --> 00:25:23.270 the biggest, thing that we
NOTE Confidence: 0.9820411

00:25:23.270 --> 00:25:24.390 do, but that's changed a

NOTE Confidence: 0.9820411
00:25:24.390 --> 00:25:25.350 lot. When I trained, I
NOTE Confidence: 0.9820411
00:25:25.350 --> 00:25:26.890 finished training in two thousand.
NOTE Confidence: 0.9820411
00:25:27.109 --> 00:25:28.230 That was about eighty percent
NOTE Confidence: 0.9820411
00:25:28.230 --> 00:25:29.510 of our cases were coronary
NOTE Confidence: 0.9820411
00:25:29.510 --> 00:25:31.190 bypass surgery. But all the
NOTE Confidence: 0.9820411
00:25:31.190 --> 00:25:32.630 advances in stenting, which are
NOTE Confidence: 0.9820411
00:25:32.630 --> 00:25:33.457 are wonderful advances,
NOTE Confidence: 0.97237974
00:25:34.525 --> 00:25:35.805 all our advances in other
NOTE Confidence: 0.97237974
00:25:35.805 --> 00:25:36.305 procedures,
NOTE Confidence: 0.98906606
00:25:36.685 --> 00:25:38.205 TAVR, things of that nature,
NOTE Confidence: 0.98906606
00:25:38.205 --> 00:25:38.705 MitraClip,
NOTE Confidence: 0.9821631
00:25:39.325 --> 00:25:40.525 has made so that our
NOTE Confidence: 0.9821631
00:25:40.525 --> 00:25:41.725 our landscape is a little
NOTE Confidence: 0.9821631
00:25:41.725 --> 00:25:42.685 bit different now. We do
NOTE Confidence: 0.9821631
00:25:42.685 --> 00:25:44.225 a lot more complex cases,
NOTE Confidence: 0.9759283

00:25:44.605 --> 00:25:46.065 a lot more combo cases,
NOTE Confidence: 0.95007265

00:25:46.710 --> 00:25:48.070 and and this kinda reflects
NOTE Confidence: 0.95007265

00:25:48.070 --> 00:25:49.429 how that volume is distributed
NOTE Confidence: 0.95007265

00:25:49.429 --> 00:25:50.570 in terms of the Kabbage
NOTE Confidence: 0.95007265

00:25:50.710 --> 00:25:51.210 distribution
NOTE Confidence: 0.96978396

00:25:51.830 --> 00:25:53.210 a little bit between Bridgeport,
NOTE Confidence: 0.9997648

00:25:53.750 --> 00:25:54.570 and Yale.
NOTE Confidence: 0.998256

00:25:55.270 --> 00:25:55.770 Now
NOTE Confidence: 0.9755736

00:25:56.309 --> 00:25:56.869 these are some of the
NOTE Confidence: 0.9755736

00:25:56.869 --> 00:25:57.669 things that when you're in
NOTE Confidence: 0.9755736

00:25:57.669 --> 00:25:58.790 training or maybe you're in
NOTE Confidence: 0.9755736

00:25:58.790 --> 00:25:59.429 the middle of it, you
NOTE Confidence: 0.9755736

00:25:59.429 --> 00:26:00.470 don't think about. But these
NOTE Confidence: 0.9755736

00:26:00.470 --> 00:26:01.190 are the things that I
NOTE Confidence: 0.9755736

00:26:01.190 --> 00:26:02.825 think about, which is how
NOTE Confidence: 0.9755736

00:26:02.825 --> 00:26:04.105 can we grow our program?

NOTE Confidence: 0.9755736
00:26:04.105 --> 00:26:05.805 Where's our volume coming from?
NOTE Confidence: 0.9755736
00:26:05.945 --> 00:26:06.905 And this is an idea
NOTE Confidence: 0.9755736
00:26:06.905 --> 00:26:08.185 of the distribution of where
NOTE Confidence: 0.9755736
00:26:08.185 --> 00:26:09.305 that volume comes from in
NOTE Confidence: 0.9755736
00:26:09.305 --> 00:26:10.285 the state of Connecticut.
NOTE Confidence: 0.9717456
00:26:10.585 --> 00:26:11.705 You'll see that everything in
NOTE Confidence: 0.9717456
00:26:11.705 --> 00:26:12.744 blue or dark blue is
NOTE Confidence: 0.9717456
00:26:12.744 --> 00:26:14.185 where we have significant market
NOTE Confidence: 0.9717456
00:26:14.185 --> 00:26:15.705 share, forty, fifty percent and
NOTE Confidence: 0.9717456
00:26:15.705 --> 00:26:16.205 above.
NOTE Confidence: 0.97930735
00:26:16.850 --> 00:26:17.250 And you'll see everything in
NOTE Confidence: 0.97930735
00:26:17.250 --> 00:26:18.210 gray is where we have
NOTE Confidence: 0.97930735
00:26:18.210 --> 00:26:19.490 very little market share. We
NOTE Confidence: 0.97930735
00:26:19.490 --> 00:26:20.770 have ten percent or below
NOTE Confidence: 0.97930735
00:26:20.770 --> 00:26:22.130 of that market share. So
NOTE Confidence: 0.97930735

00:26:22.130 --> 00:26:23.350 as you can see there,
NOTE Confidence: 0.97930735

00:26:23.410 --> 00:26:24.530 it's like looking at an
NOTE Confidence: 0.97930735

00:26:24.530 --> 00:26:26.609 electrical map in, California. You
NOTE Confidence: 0.97930735

00:26:26.609 --> 00:26:27.650 know, it's all red except
NOTE Confidence: 0.97930735

00:26:27.650 --> 00:26:29.010 for little blue spots, but
NOTE Confidence: 0.97930735

00:26:29.010 --> 00:26:29.810 it's a little bit like
NOTE Confidence: 0.97930735

00:26:29.810 --> 00:26:30.609 that where we've got a
NOTE Confidence: 0.97930735

00:26:30.609 --> 00:26:31.490 lot of blue on the
NOTE Confidence: 0.97930735

00:26:31.490 --> 00:26:32.684 on the coast, but we've
NOTE Confidence: 0.97930735

00:26:32.684 --> 00:26:33.904 got a lot of opportunity.
NOTE Confidence: 0.96271414

00:26:34.365 --> 00:26:35.404 And the reason I show
NOTE Confidence: 0.96271414

00:26:35.404 --> 00:26:36.125 you that is I think
NOTE Confidence: 0.96271414

00:26:36.125 --> 00:26:37.565 that we have opportunities for
NOTE Confidence: 0.96271414

00:26:37.565 --> 00:26:38.684 growth as we expand our
NOTE Confidence: 0.96271414

00:26:38.684 --> 00:26:39.184 services.
NOTE Confidence: 0.9839862

00:26:39.484 --> 00:26:40.765 We have opportunities in New

NOTE Confidence: 0.9839862
00:26:40.765 --> 00:26:41.804 York, we have opportunities in
NOTE Confidence: 0.9839862
00:26:41.804 --> 00:26:43.644 Massachusetts, but we do need
NOTE Confidence: 0.9839862
00:26:43.644 --> 00:26:44.784 to get our backyard,
NOTE Confidence: 0.99703944
00:26:45.325 --> 00:26:45.960 in order.
NOTE Confidence: 0.97074866
00:26:46.520 --> 00:26:48.039 This is the our market
NOTE Confidence: 0.97074866
00:26:48.039 --> 00:26:49.320 share currently as a heart
NOTE Confidence: 0.97074866
00:26:49.320 --> 00:26:50.600 and vascular system. You'll see
NOTE Confidence: 0.97074866
00:26:50.600 --> 00:26:51.799 in red as Hartford, and
NOTE Confidence: 0.97074866
00:26:51.799 --> 00:26:52.760 here we are in in
NOTE Confidence: 0.97074866
00:26:52.760 --> 00:26:53.640 blue. We're a little bit
NOTE Confidence: 0.97074866
00:26:53.640 --> 00:26:55.100 behind in terms of totality,
NOTE Confidence: 0.988153
00:26:55.720 --> 00:26:56.679 but this is where we
NOTE Confidence: 0.988153
00:26:56.679 --> 00:26:58.039 are in cardiac surgery. We
NOTE Confidence: 0.988153
00:26:58.039 --> 00:26:58.840 have a lot of work
NOTE Confidence: 0.988153
00:26:58.840 --> 00:27:00.115 to do. We have lost
NOTE Confidence: 0.988153

00:27:00.115 --> 00:27:01.395 market share over the last
NOTE Confidence: 0.988153

00:27:01.395 --> 00:27:02.915 five, six years, and we
NOTE Confidence: 0.988153

00:27:02.915 --> 00:27:04.355 are trailing Hartford not just
NOTE Confidence: 0.988153

00:27:04.355 --> 00:27:05.475 by one or two percentage
NOTE Confidence: 0.988153

00:27:05.475 --> 00:27:06.755 points, but we're trailing them
NOTE Confidence: 0.988153

00:27:06.755 --> 00:27:08.434 by a significant proportion in
NOTE Confidence: 0.988153

00:27:08.434 --> 00:27:10.115 our market share. So that's
NOTE Confidence: 0.988153

00:27:10.115 --> 00:27:11.475 part of the reason that
NOTE Confidence: 0.988153

00:27:11.475 --> 00:27:12.915 I've I've been tasked to
NOTE Confidence: 0.988153

00:27:12.915 --> 00:27:14.135 try to lead the division,
NOTE Confidence: 0.9660542

00:27:14.510 --> 00:27:15.950 try to improve our our
NOTE Confidence: 0.9660542

00:27:15.950 --> 00:27:17.950 volume, and improve, well, what
NOTE Confidence: 0.9660542

00:27:17.950 --> 00:27:19.710 we're doing. We'll dive more
NOTE Confidence: 0.9660542

00:27:19.710 --> 00:27:20.510 into that a little bit
NOTE Confidence: 0.9660542

00:27:20.510 --> 00:27:21.470 in a few minutes, but
NOTE Confidence: 0.9660542

00:27:21.470 --> 00:27:22.430 I want to touch base

NOTE Confidence: 0.9660542

00:27:22.430 --> 00:27:23.150 a little bit on our

NOTE Confidence: 0.9660542

00:27:23.150 --> 00:27:24.750 clinical trials. We have a

NOTE Confidence: 0.9660542

00:27:24.750 --> 00:27:26.430 a very robust research program

NOTE Confidence: 0.9660542

00:27:26.430 --> 00:27:27.230 that is not just in

NOTE Confidence: 0.9660542

00:27:27.230 --> 00:27:28.990 clinical trials. We have basic

NOTE Confidence: 0.9660542

00:27:28.990 --> 00:27:30.715 scientists that are NIH funded.

NOTE Confidence: 0.9660542

00:27:30.935 --> 00:27:32.215 We have two CS track

NOTE Confidence: 0.9660542

00:27:32.215 --> 00:27:32.715 faculty,

NOTE Confidence: 0.93804103

00:27:33.095 --> 00:27:34.455 in our division, in a

NOTE Confidence: 0.93804103

00:27:34.455 --> 00:27:36.135 division of twelve, which is

NOTE Confidence: 0.93804103

00:27:36.135 --> 00:27:36.715 a lot.

NOTE Confidence: 0.9784979

00:27:37.095 --> 00:27:38.295 And we have pretty robust

NOTE Confidence: 0.9784979

00:27:38.295 --> 00:27:40.455 clinical outcomes, program. So we've

NOTE Confidence: 0.9784979

00:27:40.455 --> 00:27:41.415 been very proud of this,

NOTE Confidence: 0.9784979

00:27:41.415 --> 00:27:42.375 and this has led to

NOTE Confidence: 0.9784979

00:27:42.375 --> 00:27:43.515 a a lot of initiatives
NOTE Confidence: 0.9784979

00:27:43.575 --> 00:27:44.635 and a lot of papers.
NOTE Confidence: 0.98697114

00:27:45.019 --> 00:27:46.139 Now I wanna touch base
NOTE Confidence: 0.98697114

00:27:46.139 --> 00:27:47.340 on our quality, and then
NOTE Confidence: 0.98697114

00:27:47.340 --> 00:27:48.299 we're gonna be this is
NOTE Confidence: 0.98697114

00:27:48.299 --> 00:27:49.340 a little bit advanced. We're
NOTE Confidence: 0.98697114

00:27:49.340 --> 00:27:50.380 gonna be presenting this at
NOTE Confidence: 0.98697114

00:27:50.380 --> 00:27:52.299 our division meeting on on
NOTE Confidence: 0.98697114

00:27:52.299 --> 00:27:53.820 Friday morning. But just to
NOTE Confidence: 0.98697114

00:27:53.820 --> 00:27:54.380 show you a little bit
NOTE Confidence: 0.98697114

00:27:54.380 --> 00:27:55.340 of an idea of where
NOTE Confidence: 0.98697114

00:27:55.340 --> 00:27:56.460 we are. And I'm showing
NOTE Confidence: 0.98697114

00:27:56.460 --> 00:27:57.580 you this because the results
NOTE Confidence: 0.98697114

00:27:57.580 --> 00:27:58.460 are good, but they're not
NOTE Confidence: 0.98697114

00:27:58.460 --> 00:27:59.580 perfect. And I'm showing you
NOTE Confidence: 0.98697114

00:27:59.580 --> 00:28:00.320 that because

NOTE Confidence: 0.9863421

00:28:00.915 --> 00:28:02.915 probably like everybody, every division,

NOTE Confidence: 0.9863421

00:28:02.915 --> 00:28:04.275 we have room for growth

NOTE Confidence: 0.9863421

00:28:04.275 --> 00:28:05.415 and room for opportunity.

NOTE Confidence: 0.99786115

00:28:05.795 --> 00:28:06.994 But unless you know your

NOTE Confidence: 0.99786115

00:28:06.994 --> 00:28:08.515 data and unless you're reviewing

NOTE Confidence: 0.99786115

00:28:08.515 --> 00:28:09.715 your data, you don't know

NOTE Confidence: 0.99786115

00:28:09.715 --> 00:28:10.695 what those opportunities

NOTE Confidence: 0.97242796

00:28:11.075 --> 00:28:12.515 might be. So this is

NOTE Confidence: 0.97242796

00:28:12.515 --> 00:28:13.475 a busy slide, but it

NOTE Confidence: 0.97242796

00:28:13.475 --> 00:28:14.915 speaks really to cardiac surgery.

NOTE Confidence: 0.97242796

00:28:14.915 --> 00:28:16.135 And we have these scorecards

NOTE Confidence: 0.97242796

00:28:16.195 --> 00:28:17.050 not just for us in

NOTE Confidence: 0.97242796

00:28:17.050 --> 00:28:18.650 cardiac. They exist for cardiology

NOTE Confidence: 0.97242796

00:28:18.650 --> 00:28:19.850 as well, door to balloon

NOTE Confidence: 0.97242796

00:28:19.850 --> 00:28:20.910 times, for example,

NOTE Confidence: 0.9866063

00:28:21.369 --> 00:28:23.210 readmissions for heart failure. But
NOTE Confidence: 0.9866063

00:28:23.210 --> 00:28:24.250 I'm focusing here a little
NOTE Confidence: 0.9866063

00:28:24.250 --> 00:28:25.470 bit on cardiac surgery.
NOTE Confidence: 0.96866566

00:28:25.770 --> 00:28:26.730 And you see that we
NOTE Confidence: 0.96866566

00:28:26.730 --> 00:28:28.330 have anything that's yellow or
NOTE Confidence: 0.96866566

00:28:28.330 --> 00:28:29.955 red is is really
NOTE Confidence: 0.92985463

00:28:30.494 --> 00:28:31.695 not in the top fifty
NOTE Confidence: 0.92985463

00:28:31.695 --> 00:28:33.615 percentile, some some sometimes not
NOTE Confidence: 0.92985463

00:28:33.615 --> 00:28:34.975 in the top seventy fifth
NOTE Confidence: 0.92985463

00:28:34.975 --> 00:28:35.475 percentile.
NOTE Confidence: 0.965926

00:28:35.855 --> 00:28:37.294 So our readmission rates, the
NOTE Confidence: 0.965926

00:28:37.294 --> 00:28:38.735 fifty percentile is around eight
NOTE Confidence: 0.965926

00:28:38.735 --> 00:28:40.254 percent. We're around eleven percent,
NOTE Confidence: 0.965926

00:28:40.254 --> 00:28:41.134 so we have room to
NOTE Confidence: 0.965926

00:28:41.134 --> 00:28:43.059 go there. Our utilization of
NOTE Confidence: 0.965926

00:28:43.059 --> 00:28:44.600 pathways needs to improve.

NOTE Confidence: 0.9804067

00:28:44.980 --> 00:28:46.179 Our days in acute care

NOTE Confidence: 0.9804067

00:28:46.179 --> 00:28:47.700 seem to be high, compared

NOTE Confidence: 0.9804067

00:28:47.700 --> 00:28:49.220 to the average. Now having

NOTE Confidence: 0.9804067

00:28:49.220 --> 00:28:50.659 said that, our results are

NOTE Confidence: 0.9804067

00:28:50.659 --> 00:28:52.100 quite reasonable. Our observed to

NOTE Confidence: 0.9804067

00:28:52.100 --> 00:28:53.539 expect in mortality is around

NOTE Confidence: 0.9804067

00:28:53.539 --> 00:28:54.980 zero point seven five, which

NOTE Confidence: 0.9804067

00:28:54.980 --> 00:28:56.445 means that for several years,

NOTE Confidence: 0.9804067

00:28:56.445 --> 00:28:57.885 we've had a better results

NOTE Confidence: 0.9804067

00:28:57.885 --> 00:28:59.105 in terms of our mortality

NOTE Confidence: 0.9804067

00:28:59.164 --> 00:29:00.625 than what would be expected.

NOTE Confidence: 0.9761176

00:29:02.684 --> 00:29:03.804 If we look at other,

NOTE Confidence: 0.9761176

00:29:04.125 --> 00:29:04.625 things,

NOTE Confidence: 0.9609479

00:29:05.085 --> 00:29:06.684 again, inpatient mortality has been

NOTE Confidence: 0.9609479

00:29:06.684 --> 00:29:08.365 relatively low. Where we are

NOTE Confidence: 0.9609479

00:29:08.365 --> 00:29:09.645 in US News rankings in
NOTE Confidence: 0.9609479

00:29:09.645 --> 00:29:11.245 terms of mortality for TAVR,
NOTE Confidence: 0.9609479

00:29:11.245 --> 00:29:12.900 extremely, extremely good, and we're
NOTE Confidence: 0.9609479

00:29:12.960 --> 00:29:14.560 happy to be, part of
NOTE Confidence: 0.9609479

00:29:14.560 --> 00:29:16.240 that program with triple a's.
NOTE Confidence: 0.9609479

00:29:16.240 --> 00:29:17.520 We're pretty good. But, again,
NOTE Confidence: 0.9609479

00:29:17.520 --> 00:29:18.240 we have we have a
NOTE Confidence: 0.9609479

00:29:18.240 --> 00:29:19.440 lot of room here for
NOTE Confidence: 0.9609479

00:29:19.440 --> 00:29:20.800 improvement. And when we dive
NOTE Confidence: 0.9609479

00:29:20.800 --> 00:29:22.480 into those, a couple really
NOTE Confidence: 0.9609479

00:29:22.480 --> 00:29:23.680 good things is that for
NOTE Confidence: 0.9609479

00:29:23.680 --> 00:29:25.060 the first time now ever,
NOTE Confidence: 0.9891319

00:29:25.635 --> 00:29:27.075 the STS is our national
NOTE Confidence: 0.9891319

00:29:27.075 --> 00:29:28.595 body, our national database. It
NOTE Confidence: 0.9891319

00:29:28.595 --> 00:29:29.955 has millions and millions of
NOTE Confidence: 0.9891319

00:29:29.955 --> 00:29:31.475 patient records, and we are

NOTE Confidence: 0.9891319
00:29:31.475 --> 00:29:32.615 in there as an institution.
NOTE Confidence: 0.9904095
00:29:33.155 --> 00:29:34.115 For the first time, we
NOTE Confidence: 0.9904095
00:29:34.115 --> 00:29:35.715 are now three stars in
NOTE Confidence: 0.9904095
00:29:35.715 --> 00:29:36.935 at least three categories,
NOTE Confidence: 0.98986816
00:29:37.795 --> 00:29:39.415 in the AVR and CABG
NOTE Confidence: 0.98986816
00:29:39.475 --> 00:29:40.535 combined category,
NOTE Confidence: 0.9907766
00:29:41.110 --> 00:29:42.630 in the mitral valve and
NOTE Confidence: 0.9907766
00:29:42.630 --> 00:29:44.490 mitral valve replacement and repair
NOTE Confidence: 0.9907766
00:29:44.549 --> 00:29:45.049 category,
NOTE Confidence: 0.9675102
00:29:45.350 --> 00:29:46.950 and also here in the
NOTE Confidence: 0.9675102
00:29:46.950 --> 00:29:47.450 multidisciplinary
NOTE Confidence: 0.9404548
00:29:47.990 --> 00:29:48.809 or multi,
NOTE Confidence: 0.9691555
00:29:49.429 --> 00:29:50.870 procedural category. So that would
NOTE Confidence: 0.9691555
00:29:50.870 --> 00:29:52.070 be somebody with an ascending
NOTE Confidence: 0.9691555
00:29:52.070 --> 00:29:53.665 aorta and an aortic valve
NOTE Confidence: 0.9691555

00:29:53.665 --> 00:29:54.785 or an ascending aorta in
NOTE Confidence: 0.9691555

00:29:54.785 --> 00:29:56.145 a CABG. So we are
NOTE Confidence: 0.9691555

00:29:56.145 --> 00:29:57.585 obtaining good results, but we
NOTE Confidence: 0.9691555

00:29:57.585 --> 00:29:58.965 have room to improve.
NOTE Confidence: 0.9948422

00:29:59.505 --> 00:30:00.465 And the way that we
NOTE Confidence: 0.9948422

00:30:00.465 --> 00:30:02.225 measure these are really in
NOTE Confidence: 0.9948422

00:30:02.225 --> 00:30:03.745 two different ways. There are
NOTE Confidence: 0.9948422

00:30:03.745 --> 00:30:05.105 things that are called process
NOTE Confidence: 0.9948422

00:30:05.105 --> 00:30:05.605 metrics,
NOTE Confidence: 0.98313504

00:30:05.905 --> 00:30:07.265 how well we're doing things,
NOTE Confidence: 0.98313504

00:30:07.265 --> 00:30:08.645 and there are outcome metrics.
NOTE Confidence: 0.98313504

00:30:08.929 --> 00:30:10.530 Outcome metrics, you can't always,
NOTE Confidence: 0.96245813

00:30:11.809 --> 00:30:13.010 prevent somebody from having a
NOTE Confidence: 0.96245813

00:30:13.010 --> 00:30:13.890 stroke. You can do all
NOTE Confidence: 0.96245813

00:30:13.890 --> 00:30:14.610 the things that you can
NOTE Confidence: 0.96245813

00:30:14.610 --> 00:30:15.429 or somebody

NOTE Confidence: 0.97977304

00:30:16.289 --> 00:30:17.809 prevent somebody from dying. Those

NOTE Confidence: 0.97977304

00:30:17.809 --> 00:30:19.250 are your outcomes. But the

NOTE Confidence: 0.97977304

00:30:19.250 --> 00:30:20.690 process metrics are things that

NOTE Confidence: 0.97977304

00:30:20.690 --> 00:30:22.049 we can control. And I've

NOTE Confidence: 0.97977304

00:30:22.049 --> 00:30:23.410 always felt strongly that if

NOTE Confidence: 0.97977304

00:30:23.410 --> 00:30:24.070 our processes

NOTE Confidence: 0.99629885

00:30:24.450 --> 00:30:26.264 are good, then our outcomes

NOTE Confidence: 0.99629885

00:30:26.264 --> 00:30:27.784 should be good. And even

NOTE Confidence: 0.99629885

00:30:27.784 --> 00:30:29.144 in our processes, as you'll

NOTE Confidence: 0.99629885

00:30:29.144 --> 00:30:30.424 see, we have room for

NOTE Confidence: 0.99629885

00:30:30.424 --> 00:30:30.924 improvement.

NOTE Confidence: 0.9880613

00:30:31.225 --> 00:30:32.024 So when we look at

NOTE Confidence: 0.9880613

00:30:32.024 --> 00:30:33.465 CABG, CABG is how you

NOTE Confidence: 0.9880613

00:30:33.465 --> 00:30:34.585 grade a lot of cardiac

NOTE Confidence: 0.9880613

00:30:34.585 --> 00:30:36.184 surgery programs because as you

NOTE Confidence: 0.9880613

00:30:36.184 --> 00:30:37.705 saw from the previous slide,
NOTE Confidence: 0.9880613

00:30:37.705 --> 00:30:39.544 it's the biggest proportion of
NOTE Confidence: 0.9880613

00:30:39.544 --> 00:30:40.830 what we do. We are
NOTE Confidence: 0.9880613

00:30:40.830 --> 00:30:41.990 a two star program in
NOTE Confidence: 0.9880613

00:30:41.990 --> 00:30:44.150 coronary bypass surgery. About eighty
NOTE Confidence: 0.9880613

00:30:44.150 --> 00:30:45.429 percent of the programs in
NOTE Confidence: 0.9880613

00:30:45.429 --> 00:30:46.790 the United States are two
NOTE Confidence: 0.9880613

00:30:46.790 --> 00:30:48.230 star programs. The top ten
NOTE Confidence: 0.9880613

00:30:48.230 --> 00:30:49.910 percent are three star, and
NOTE Confidence: 0.9880613

00:30:49.910 --> 00:30:51.510 the top, the bottom ten
NOTE Confidence: 0.9880613

00:30:51.510 --> 00:30:53.405 percent are are one star.
NOTE Confidence: 0.98342

00:30:54.105 --> 00:30:55.305 In Cleveland, we led an
NOTE Confidence: 0.98342

00:30:55.305 --> 00:30:56.585 effort. It took us three
NOTE Confidence: 0.98342

00:30:56.585 --> 00:30:57.465 to four years to get
NOTE Confidence: 0.98342

00:30:57.465 --> 00:30:58.585 to that point, but we
NOTE Confidence: 0.98342

00:30:58.585 --> 00:30:59.385 got to the point that

NOTE Confidence: 0.98342
00:30:59.385 --> 00:31:00.185 we were a three star
NOTE Confidence: 0.98342
00:31:00.185 --> 00:31:01.385 program. And we got to
NOTE Confidence: 0.98342
00:31:01.385 --> 00:31:03.225 that point by paying attention
NOTE Confidence: 0.98342
00:31:03.225 --> 00:31:05.145 to our process metrics, which
NOTE Confidence: 0.98342
00:31:05.145 --> 00:31:06.665 then in turn improved our
NOTE Confidence: 0.98342
00:31:06.665 --> 00:31:07.485 outcome metrics.
NOTE Confidence: 0.9939002
00:31:07.980 --> 00:31:08.860 So in terms of our
NOTE Confidence: 0.9939002
00:31:08.860 --> 00:31:10.860 composite quality ratings, you'll see
NOTE Confidence: 0.9939002
00:31:10.860 --> 00:31:12.300 that the dotted line is
NOTE Confidence: 0.9939002
00:31:12.300 --> 00:31:14.220 the STS average, and the
NOTE Confidence: 0.9939002
00:31:14.220 --> 00:31:15.340 black line is where we
NOTE Confidence: 0.9939002
00:31:15.340 --> 00:31:16.860 are. So we are better
NOTE Confidence: 0.9939002
00:31:16.860 --> 00:31:18.059 than average in terms of
NOTE Confidence: 0.9939002
00:31:18.059 --> 00:31:19.360 our outcome metrics,
NOTE Confidence: 0.9996192
00:31:20.059 --> 00:31:21.340 but we're not yet in
NOTE Confidence: 0.9996192

00:31:21.340 --> 00:31:22.640 that top ten percent.
NOTE Confidence: 0.98783433

00:31:23.885 --> 00:31:25.404 In terms of isolated metrics
NOTE Confidence: 0.98783433

00:31:25.404 --> 00:31:26.765 here, what you're seeing is
NOTE Confidence: 0.98783433

00:31:26.765 --> 00:31:27.804 that in terms of our
NOTE Confidence: 0.98783433

00:31:27.804 --> 00:31:29.085 mortality, we had peaked at
NOTE Confidence: 0.98783433

00:31:29.085 --> 00:31:30.524 around three percent. We went
NOTE Confidence: 0.98783433

00:31:30.524 --> 00:31:31.965 as low in twenty three
NOTE Confidence: 0.98783433

00:31:31.965 --> 00:31:33.325 as around one percent, and
NOTE Confidence: 0.98783433

00:31:33.325 --> 00:31:34.445 we've crept up in that
NOTE Confidence: 0.98783433

00:31:34.445 --> 00:31:35.985 one point five percent range.
NOTE Confidence: 0.98783433

00:31:36.110 --> 00:31:37.950 But, again, compared to our
NOTE Confidence: 0.98783433

00:31:37.950 --> 00:31:38.450 standardized,
NOTE Confidence: 0.9847438

00:31:38.910 --> 00:31:40.670 colleagues across the country, we
NOTE Confidence: 0.9847438

00:31:40.670 --> 00:31:42.030 are doing well. But, again,
NOTE Confidence: 0.9847438

00:31:42.030 --> 00:31:43.310 we have some room for
NOTE Confidence: 0.9847438

00:31:43.310 --> 00:31:43.810 improvement.

NOTE Confidence: 0.975571

00:31:44.270 --> 00:31:45.310 And when this is a

NOTE Confidence: 0.975571

00:31:45.310 --> 00:31:46.270 small slide, but when you

NOTE Confidence: 0.975571

00:31:46.270 --> 00:31:47.070 look at some of these

NOTE Confidence: 0.975571

00:31:47.070 --> 00:31:48.110 numbers, you'll see we don't

NOTE Confidence: 0.975571

00:31:48.110 --> 00:31:48.910 have to change a lot

NOTE Confidence: 0.975571

00:31:48.910 --> 00:31:49.710 of these to make a

NOTE Confidence: 0.975571

00:31:49.710 --> 00:31:50.830 big difference if we get

NOTE Confidence: 0.975571

00:31:50.830 --> 00:31:52.895 two less sternal external wound

NOTE Confidence: 0.975571

00:31:52.895 --> 00:31:53.775 infections, if we have a

NOTE Confidence: 0.975571

00:31:53.775 --> 00:31:55.375 few less readmissions, those are

NOTE Confidence: 0.975571

00:31:55.375 --> 00:31:56.815 all things that can can

NOTE Confidence: 0.975571

00:31:56.815 --> 00:31:58.115 really help us tremendously.

NOTE Confidence: 0.97410995

00:31:58.575 --> 00:31:59.375 And then we look at

NOTE Confidence: 0.97410995

00:31:59.375 --> 00:32:01.295 these composite morbidity trends again.

NOTE Confidence: 0.97410995

00:32:01.295 --> 00:32:02.415 They they tell us they

NOTE Confidence: 0.97410995

00:32:02.415 --> 00:32:03.535 inform us of where we
NOTE Confidence: 0.97410995

00:32:03.535 --> 00:32:04.550 are. So we're in the
NOTE Confidence: 0.97410995

00:32:04.550 --> 00:32:05.670 process of working with our
NOTE Confidence: 0.97410995

00:32:05.670 --> 00:32:06.630 quality team, and these are
NOTE Confidence: 0.97410995

00:32:06.630 --> 00:32:07.830 things that we wanna present
NOTE Confidence: 0.97410995

00:32:07.830 --> 00:32:09.350 on a regular basis. If
NOTE Confidence: 0.97410995

00:32:09.350 --> 00:32:10.470 you look at outcome metrics
NOTE Confidence: 0.97410995

00:32:10.470 --> 00:32:12.150 that are perhaps important but
NOTE Confidence: 0.97410995

00:32:12.150 --> 00:32:13.430 less so than than stroke
NOTE Confidence: 0.97410995

00:32:13.430 --> 00:32:14.090 or mortality,
NOTE Confidence: 0.9780733

00:32:14.470 --> 00:32:15.830 you'll see that our external
NOTE Confidence: 0.9780733

00:32:15.830 --> 00:32:17.270 wound infections over a running
NOTE Confidence: 0.9780733

00:32:17.270 --> 00:32:18.390 three year period are higher
NOTE Confidence: 0.9780733

00:32:18.390 --> 00:32:19.575 than they should be. So
NOTE Confidence: 0.9780733

00:32:19.575 --> 00:32:20.695 we'll we'll be starting to
NOTE Confidence: 0.9780733

00:32:20.695 --> 00:32:21.815 look at that. You look

NOTE Confidence: 0.9780733
00:32:21.815 --> 00:32:22.534 at some of the other
NOTE Confidence: 0.9780733
00:32:22.534 --> 00:32:24.315 areas here. Reexploration
NOTE Confidence: 0.9950542
00:32:24.695 --> 00:32:25.654 for bleeding is a little
NOTE Confidence: 0.9950542
00:32:25.654 --> 00:32:26.615 bit higher than it should
NOTE Confidence: 0.9950542
00:32:26.615 --> 00:32:28.455 be. Stroke and CVAs are
NOTE Confidence: 0.9950542
00:32:28.455 --> 00:32:29.174 a little bit higher than
NOTE Confidence: 0.9950542
00:32:29.174 --> 00:32:29.995 they should be.
NOTE Confidence: 0.981127
00:32:30.375 --> 00:32:31.895 So those are areas that
NOTE Confidence: 0.981127
00:32:31.895 --> 00:32:33.735 we can improve if, I
NOTE Confidence: 0.981127
00:32:33.735 --> 00:32:35.420 think, we improve these process
NOTE Confidence: 0.9791105
00:32:35.800 --> 00:32:36.840 metrics. So these are where
NOTE Confidence: 0.9791105
00:32:36.840 --> 00:32:38.840 these process metrics stand. And
NOTE Confidence: 0.9791105
00:32:38.840 --> 00:32:40.200 as you'll see in all
NOTE Confidence: 0.9791105
00:32:40.200 --> 00:32:41.720 of them, this is our
NOTE Confidence: 0.9791105
00:32:41.720 --> 00:32:43.420 score. This is the average
NOTE Confidence: 0.9791105

00:32:43.480 --> 00:32:45.240 SCS score and the fiftieth
NOTE Confidence: 0.9791105

00:32:45.240 --> 00:32:45.740 percentile
NOTE Confidence: 0.9766393

00:32:46.360 --> 00:32:47.420 of like minded,
NOTE Confidence: 0.96055

00:32:47.720 --> 00:32:49.080 programs. And on all of
NOTE Confidence: 0.96055

00:32:49.080 --> 00:32:49.960 these, we're kind of in
NOTE Confidence: 0.96055

00:32:49.960 --> 00:32:52.075 that fiftieth to seventieth percentile,
NOTE Confidence: 0.96055

00:32:52.075 --> 00:32:53.535 so some room for improvement.
NOTE Confidence: 0.96055

00:32:53.835 --> 00:32:54.395 If you look at it
NOTE Confidence: 0.96055

00:32:54.395 --> 00:32:56.015 a little bit differently here,
NOTE Confidence: 0.96055

00:32:56.315 --> 00:32:57.595 so are we, for example,
NOTE Confidence: 0.96055

00:32:57.595 --> 00:32:59.115 giving patients a beta blocker
NOTE Confidence: 0.96055

00:32:59.115 --> 00:33:00.795 before surgery? Are we using
NOTE Confidence: 0.96055

00:33:00.795 --> 00:33:02.235 internal mammary artery? And if
NOTE Confidence: 0.96055

00:33:02.235 --> 00:33:03.455 we're not, are we documenting
NOTE Confidence: 0.96055

00:33:03.595 --> 00:33:04.895 why we didn't use it?
NOTE Confidence: 0.96055

00:33:04.920 --> 00:33:06.280 Are we discharging them on

NOTE Confidence: 0.96055
00:33:06.280 --> 00:33:07.480 time? And we are we
NOTE Confidence: 0.96055
00:33:07.480 --> 00:33:09.080 discharging them with the right
NOTE Confidence: 0.96055
00:33:09.080 --> 00:33:10.060 medications? These
NOTE Confidence: 0.9753031
00:33:10.840 --> 00:33:12.360 are gimmes. Right? These are
NOTE Confidence: 0.9753031
00:33:12.360 --> 00:33:13.480 gimmes. These should be a
NOTE Confidence: 0.9753031
00:33:13.480 --> 00:33:15.000 hundred percent. And in fact,
NOTE Confidence: 0.9753031
00:33:15.000 --> 00:33:15.560 for you to be in
NOTE Confidence: 0.9753031
00:33:15.560 --> 00:33:17.000 the top ten percent, they
NOTE Confidence: 0.9753031
00:33:17.000 --> 00:33:17.800 need to be a hundred
NOTE Confidence: 0.9753031
00:33:17.800 --> 00:33:18.840 percent, not just for one
NOTE Confidence: 0.9753031
00:33:18.840 --> 00:33:19.925 year, but for three years
NOTE Confidence: 0.9753031
00:33:19.925 --> 00:33:20.425 consecutively,
NOTE Confidence: 0.97706544
00:33:21.045 --> 00:33:22.005 and then you'll be in
NOTE Confidence: 0.97706544
00:33:22.005 --> 00:33:23.525 the top ten percent of
NOTE Confidence: 0.97706544
00:33:23.525 --> 00:33:24.965 these programs. So even though
NOTE Confidence: 0.97706544

00:33:24.965 --> 00:33:26.165 our internal memory use is
NOTE Confidence: 0.97706544

00:33:26.165 --> 00:33:27.445 at ninety nine point four
NOTE Confidence: 0.97706544

00:33:27.445 --> 00:33:29.205 percent, it's not good enough.
NOTE Confidence: 0.97706544

00:33:29.205 --> 00:33:30.425 Right? So we have opportunities
NOTE Confidence: 0.97706544

00:33:30.485 --> 00:33:31.765 for improvement, and those are
NOTE Confidence: 0.97706544

00:33:31.765 --> 00:33:32.985 what some of our processes
NOTE Confidence: 0.97706544

00:33:33.045 --> 00:33:34.950 are. We have opportunities to
NOTE Confidence: 0.97706544

00:33:34.950 --> 00:33:36.490 work with our teams, residents,
NOTE Confidence: 0.97706544

00:33:36.550 --> 00:33:37.530 APPs on
NOTE Confidence: 0.9674982

00:33:37.910 --> 00:33:40.390 medication sets, preorder sets, because
NOTE Confidence: 0.9674982

00:33:40.390 --> 00:33:41.270 there are some of those
NOTE Confidence: 0.9674982

00:33:41.270 --> 00:33:42.710 medications that if you include
NOTE Confidence: 0.9674982

00:33:42.710 --> 00:33:44.070 the right phrases or when
NOTE Confidence: 0.9674982

00:33:44.070 --> 00:33:45.990 you're discharging these patients, it'll
NOTE Confidence: 0.9674982

00:33:45.990 --> 00:33:47.030 stop you and ensure that
NOTE Confidence: 0.9674982

00:33:47.030 --> 00:33:48.490 you're getting them after CABG

NOTE Confidence: 0.9674982

00:33:48.495 --> 00:33:49.695 on a beta blocker, a

NOTE Confidence: 0.9674982

00:33:49.695 --> 00:33:51.375 statin, and aspirin. Now the

NOTE Confidence: 0.9674982

00:33:51.375 --> 00:33:52.895 beta blocker data maybe is

NOTE Confidence: 0.9674982

00:33:52.895 --> 00:33:54.495 changing, but right now, that's

NOTE Confidence: 0.9674982

00:33:54.495 --> 00:33:55.695 still a a very important

NOTE Confidence: 0.9674982

00:33:55.695 --> 00:33:56.975 metric for us. So if

NOTE Confidence: 0.9674982

00:33:56.975 --> 00:33:57.934 we use these types of

NOTE Confidence: 0.9674982

00:33:57.934 --> 00:33:59.395 stop gaps, we have opportunities

NOTE Confidence: 0.9674982

00:33:59.455 --> 00:34:00.975 to capture those. And same

NOTE Confidence: 0.9674982

00:34:00.975 --> 00:34:02.175 in our discharge notes, we

NOTE Confidence: 0.9674982

00:34:02.175 --> 00:34:03.760 have an opportunity to or

NOTE Confidence: 0.9674982

00:34:03.760 --> 00:34:04.880 sorry, in our preop notes

NOTE Confidence: 0.9674982

00:34:04.880 --> 00:34:05.679 to make sure that they're

NOTE Confidence: 0.9674982

00:34:05.679 --> 00:34:07.040 getting the right soap, they're

NOTE Confidence: 0.9674982

00:34:07.040 --> 00:34:08.239 getting their preop with beta

NOTE Confidence: 0.9674982

00:34:08.239 --> 00:34:10.000 blocker. We're getting an incentive

NOTE Confidence: 0.9674982

00:34:10.000 --> 00:34:11.440 spirometer so we can really

NOTE Confidence: 0.9674982

00:34:11.440 --> 00:34:12.960 identify if they have lung

NOTE Confidence: 0.9674982

00:34:12.960 --> 00:34:13.460 dysfunction,

NOTE Confidence: 0.99983096

00:34:13.840 --> 00:34:14.580 or not.

NOTE Confidence: 0.8835265

00:34:15.200 --> 00:34:16.320 And on the US news

NOTE Confidence: 0.8835265

00:34:16.320 --> 00:34:17.380 and world ranking,

NOTE Confidence: 0.9961016

00:34:17.825 --> 00:34:19.344 we are doing okay. So

NOTE Confidence: 0.9961016

00:34:19.344 --> 00:34:20.545 there are around nine hundred

NOTE Confidence: 0.9961016

00:34:20.545 --> 00:34:22.065 cardiac centers that are ranked

NOTE Confidence: 0.9961016

00:34:22.065 --> 00:34:22.805 every year.

NOTE Confidence: 0.9515635

00:34:23.105 --> 00:34:24.224 Yale was not ranked for

NOTE Confidence: 0.9515635

00:34:24.224 --> 00:34:26.464 several years, debuted in twenty

NOTE Confidence: 0.9515635

00:34:26.464 --> 00:34:27.904 twenty four at forty three.

NOTE Confidence: 0.9515635

00:34:28.144 --> 00:34:29.184 And this past year, we

NOTE Confidence: 0.9515635

00:34:29.184 --> 00:34:30.644 are fortieth in the country.

NOTE Confidence: 0.9515635

00:34:30.704 --> 00:34:31.585 Keep in mind, that says

NOTE Confidence: 0.9515635

00:34:31.585 --> 00:34:33.045 a heart and vascular center

NOTE Confidence: 0.9852196

00:34:33.630 --> 00:34:35.650 among around nine hundred programs,

NOTE Confidence: 0.979615

00:34:36.029 --> 00:34:37.309 in the country. So we're

NOTE Confidence: 0.979615

00:34:37.309 --> 00:34:38.849 doing well. But I think

NOTE Confidence: 0.979615

00:34:38.989 --> 00:34:39.710 all of you are at

NOTE Confidence: 0.979615

00:34:39.710 --> 00:34:40.910 Yale because you're smart. You

NOTE Confidence: 0.979615

00:34:40.910 --> 00:34:42.269 wanna be the best. We

NOTE Confidence: 0.979615

00:34:42.269 --> 00:34:43.230 all wanna be the best.

NOTE Confidence: 0.979615

00:34:43.230 --> 00:34:44.029 I think we have an

NOTE Confidence: 0.979615

00:34:44.029 --> 00:34:44.529 opportunity

NOTE Confidence: 0.9801967

00:34:44.829 --> 00:34:46.190 to creep up that list,

NOTE Confidence: 0.9801967

00:34:46.190 --> 00:34:47.309 but it's all kinds of

NOTE Confidence: 0.9801967

00:34:47.309 --> 00:34:48.910 little things that we'll need

NOTE Confidence: 0.9801967

00:34:48.910 --> 00:34:50.344 to do. So that leads

NOTE Confidence: 0.9801967

00:34:50.344 --> 00:34:51.305 me to the next topic,
NOTE Confidence: 0.9801967

00:34:51.545 --> 00:34:52.844 which are some opportunities
NOTE Confidence: 0.9890733

00:34:53.385 --> 00:34:54.744 that I've observed. And so
NOTE Confidence: 0.9890733

00:34:54.744 --> 00:34:56.105 I had the chance while
NOTE Confidence: 0.9890733

00:34:56.105 --> 00:34:57.545 interviewing here to meet with
NOTE Confidence: 0.9890733

00:34:57.545 --> 00:34:58.984 a lot of people, and
NOTE Confidence: 0.9890733

00:34:58.984 --> 00:35:00.025 I had I've now been
NOTE Confidence: 0.9890733

00:35:00.025 --> 00:35:01.545 here for six months. And
NOTE Confidence: 0.9890733

00:35:01.545 --> 00:35:03.065 advice that I got early
NOTE Confidence: 0.9890733

00:35:03.065 --> 00:35:03.805 on was
NOTE Confidence: 0.98349214

00:35:04.410 --> 00:35:05.609 keep your mouth shut, keep
NOTE Confidence: 0.98349214

00:35:05.609 --> 00:35:06.890 your head down, work hard,
NOTE Confidence: 0.98349214

00:35:06.890 --> 00:35:07.930 try to listen as much
NOTE Confidence: 0.98349214

00:35:07.930 --> 00:35:08.969 as you can, try not
NOTE Confidence: 0.98349214

00:35:08.969 --> 00:35:10.089 to make too many major
NOTE Confidence: 0.98349214

00:35:10.089 --> 00:35:11.609 changes. There are some changes

NOTE Confidence: 0.98349214
00:35:11.609 --> 00:35:12.650 that you have to make,
NOTE Confidence: 0.98349214
00:35:12.650 --> 00:35:13.770 but I I've really tried
NOTE Confidence: 0.98349214
00:35:13.770 --> 00:35:15.049 to learn of what my
NOTE Confidence: 0.98349214
00:35:15.049 --> 00:35:16.809 new organization is, the teams
NOTE Confidence: 0.98349214
00:35:16.809 --> 00:35:18.655 that I work with, and
NOTE Confidence: 0.98349214
00:35:18.655 --> 00:35:19.694 the teams that are so
NOTE Confidence: 0.98349214
00:35:19.694 --> 00:35:20.194 important
NOTE Confidence: 0.97286105
00:35:20.734 --> 00:35:22.094 to the success, to mutual
NOTE Confidence: 0.97286105
00:35:22.094 --> 00:35:23.474 success. I think cardiology
NOTE Confidence: 0.99857634
00:35:24.015 --> 00:35:25.535 relies on cardiac surgery for
NOTE Confidence: 0.99857634
00:35:25.535 --> 00:35:26.815 some success, and we really
NOTE Confidence: 0.99857634
00:35:26.815 --> 00:35:28.174 rely on cardiology for the
NOTE Confidence: 0.99857634
00:35:28.174 --> 00:35:29.714 success that we have.
NOTE Confidence: 0.98018545
00:35:30.119 --> 00:35:31.160 So a few thoughts have
NOTE Confidence: 0.98018545
00:35:31.160 --> 00:35:31.880 come to mind, and I'd
NOTE Confidence: 0.98018545

00:35:31.880 --> 00:35:32.839 like to share those with
NOTE Confidence: 0.98018545

00:35:32.839 --> 00:35:34.039 you and go into a
NOTE Confidence: 0.98018545

00:35:34.039 --> 00:35:35.160 bit more detail with you
NOTE Confidence: 0.98018545

00:35:35.160 --> 00:35:35.960 because I think some of
NOTE Confidence: 0.98018545

00:35:35.960 --> 00:35:37.339 these pave the framework
NOTE Confidence: 0.9818041

00:35:37.799 --> 00:35:39.000 for what you will hopefully
NOTE Confidence: 0.9818041

00:35:39.000 --> 00:35:40.219 see out of our division
NOTE Confidence: 0.9818041

00:35:40.519 --> 00:35:41.799 in supporting you as better
NOTE Confidence: 0.9818041

00:35:41.799 --> 00:35:43.319 colleagues over the next few
NOTE Confidence: 0.9818041

00:35:43.319 --> 00:35:43.819 years.
NOTE Confidence: 0.9984453

00:35:44.195 --> 00:35:45.875 So what does that mean
NOTE Confidence: 0.9984453

00:35:45.875 --> 00:35:46.375 exactly
NOTE Confidence: 0.981341

00:35:46.675 --> 00:35:47.895 to do a better job?
NOTE Confidence: 0.981341

00:35:48.114 --> 00:35:49.395 Well, every year, I try
NOTE Confidence: 0.981341

00:35:49.395 --> 00:35:50.114 to read a few books,
NOTE Confidence: 0.981341

00:35:50.114 --> 00:35:51.155 and every year, one of

NOTE Confidence: 0.981341
00:35:51.155 --> 00:35:52.435 them makes an impact on
NOTE Confidence: 0.981341
00:35:52.435 --> 00:35:53.715 me. And one book that
NOTE Confidence: 0.981341
00:35:53.715 --> 00:35:54.994 I read this summer really
NOTE Confidence: 0.981341
00:35:54.994 --> 00:35:55.955 made a big impact on
NOTE Confidence: 0.981341
00:35:55.955 --> 00:35:56.755 me. It's a book by
NOTE Confidence: 0.981341
00:35:56.755 --> 00:35:58.935 Will Gudera called Unreasonable Hospitality,
NOTE Confidence: 0.8088249
00:35:59.540 --> 00:36:00.200 The Remarkable
NOTE Confidence: 0.95083916
00:36:00.500 --> 00:36:02.339 Power of Giving People More
NOTE Confidence: 0.95083916
00:36:02.339 --> 00:36:03.320 Than They Expect.
NOTE Confidence: 0.98108214
00:36:03.780 --> 00:36:05.080 And Will was the manager
NOTE Confidence: 0.98108214
00:36:05.140 --> 00:36:07.060 of Madison Park, eleven Madison
NOTE Confidence: 0.98108214
00:36:07.060 --> 00:36:08.520 Park in New York City.
NOTE Confidence: 0.98108214
00:36:08.580 --> 00:36:09.700 It's a tremendous book, and
NOTE Confidence: 0.98108214
00:36:09.700 --> 00:36:11.060 it's a story of how
NOTE Confidence: 0.98108214
00:36:11.060 --> 00:36:12.260 they took this restaurant from
NOTE Confidence: 0.98108214

00:36:12.260 --> 00:36:13.300 a restaurant that was just
NOTE Confidence: 0.98108214

00:36:13.300 --> 00:36:14.680 a decent New York restaurant
NOTE Confidence: 0.9839231

00:36:15.005 --> 00:36:16.625 to the number one restaurant
NOTE Confidence: 0.9839231

00:36:16.685 --> 00:36:17.565 in the world to a
NOTE Confidence: 0.9839231

00:36:17.565 --> 00:36:19.185 three star Michelin restaurant.
NOTE Confidence: 0.97178715

00:36:19.485 --> 00:36:20.445 And now since then, I
NOTE Confidence: 0.97178715

00:36:20.445 --> 00:36:21.565 think it's faded a little
NOTE Confidence: 0.97178715

00:36:21.565 --> 00:36:22.925 bit. But under Will as
NOTE Confidence: 0.97178715

00:36:22.925 --> 00:36:24.445 the manager, it was very
NOTE Confidence: 0.97178715

00:36:24.445 --> 00:36:25.565 good. And the quality that
NOTE Confidence: 0.97178715

00:36:25.565 --> 00:36:26.445 I made in this book
NOTE Confidence: 0.97178715

00:36:26.445 --> 00:36:27.105 was that
NOTE Confidence: 0.97718525

00:36:27.760 --> 00:36:29.280 Yale, like eleven Madison Park,
NOTE Confidence: 0.97718525

00:36:29.280 --> 00:36:30.560 is an amazing place. Right?
NOTE Confidence: 0.97718525

00:36:30.560 --> 00:36:31.680 The food is good. The
NOTE Confidence: 0.97718525

00:36:31.680 --> 00:36:33.040 care that we provide is

NOTE Confidence: 0.97718525
00:36:33.040 --> 00:36:34.720 really, really good. But how
NOTE Confidence: 0.97718525
00:36:34.720 --> 00:36:35.920 we deliver that care, how
NOTE Confidence: 0.97718525
00:36:35.920 --> 00:36:37.440 we make people feel, how
NOTE Confidence: 0.97718525
00:36:37.440 --> 00:36:38.960 easily we make that care
NOTE Confidence: 0.97718525
00:36:38.960 --> 00:36:39.460 accessible
NOTE Confidence: 0.95134175
00:36:40.000 --> 00:36:41.265 are all the areas that
NOTE Confidence: 0.9736775
00:36:41.825 --> 00:36:42.625 I I know you know
NOTE Confidence: 0.9736775
00:36:42.625 --> 00:36:43.664 this because we all talk
NOTE Confidence: 0.9736775
00:36:43.664 --> 00:36:44.864 about it. Is it easy
NOTE Confidence: 0.9736775
00:36:44.864 --> 00:36:45.744 to come to clinic? Is
NOTE Confidence: 0.9736775
00:36:45.744 --> 00:36:46.625 it easy to come into
NOTE Confidence: 0.9736775
00:36:46.625 --> 00:36:47.664 Yale? Is it easy to
NOTE Confidence: 0.9736775
00:36:47.664 --> 00:36:49.025 park? Right? Those are all
NOTE Confidence: 0.9736775
00:36:49.025 --> 00:36:50.305 the things that we kind
NOTE Confidence: 0.9736775
00:36:50.305 --> 00:36:51.664 of talk about, and it
NOTE Confidence: 0.9736775

00:36:51.664 --> 00:36:53.204 really resonated with me.
NOTE Confidence: 0.9811405

00:36:53.690 --> 00:36:54.410 And I want you to
NOTE Confidence: 0.9811405

00:36:54.410 --> 00:36:55.130 think a little bit about
NOTE Confidence: 0.9811405

00:36:55.130 --> 00:36:57.050 it differently. So, again, this
NOTE Confidence: 0.9811405

00:36:57.050 --> 00:36:58.010 is the world that I
NOTE Confidence: 0.9811405

00:36:58.010 --> 00:36:59.530 live in that these are
NOTE Confidence: 0.9811405

00:36:59.530 --> 00:37:00.650 numbers that you may not
NOTE Confidence: 0.9811405

00:37:00.650 --> 00:37:01.850 think about every day, but
NOTE Confidence: 0.9811405

00:37:01.850 --> 00:37:03.370 these are the DRGs, the
NOTE Confidence: 0.9811405

00:37:03.370 --> 00:37:04.970 average DRGs. So that's the
NOTE Confidence: 0.9811405

00:37:04.970 --> 00:37:05.470 payment
NOTE Confidence: 0.9956671

00:37:05.855 --> 00:37:07.214 that a hospital system gets
NOTE Confidence: 0.9956671

00:37:07.214 --> 00:37:08.255 in the United States when
NOTE Confidence: 0.9956671

00:37:08.255 --> 00:37:09.474 a patient is discharged
NOTE Confidence: 0.9661536

00:37:09.855 --> 00:37:11.075 with a certain diagnosis.
NOTE Confidence: 0.96752644

00:37:11.454 --> 00:37:12.335 And these are the types

NOTE Confidence: 0.96752644
00:37:12.335 --> 00:37:13.295 of values that you get.
NOTE Confidence: 0.96752644
00:37:13.295 --> 00:37:14.815 Now this would base change
NOTE Confidence: 0.96752644
00:37:14.815 --> 00:37:15.694 based on if you're in
NOTE Confidence: 0.96752644
00:37:15.694 --> 00:37:16.895 a rural area or in
NOTE Confidence: 0.96752644
00:37:16.895 --> 00:37:18.094 a big city like New
NOTE Confidence: 0.96752644
00:37:18.094 --> 00:37:19.059 York, if if you're a
NOTE Confidence: 0.96752644
00:37:19.059 --> 00:37:20.819 teaching hospital or not. But
NOTE Confidence: 0.96752644
00:37:20.819 --> 00:37:21.940 a PCI will bring in
NOTE Confidence: 0.96752644
00:37:21.940 --> 00:37:23.380 around eleven to thirty thousand
NOTE Confidence: 0.96752644
00:37:23.380 --> 00:37:24.819 into the institution. A Kabbage
NOTE Confidence: 0.96752644
00:37:24.819 --> 00:37:26.099 will bring around forty one
NOTE Confidence: 0.96752644
00:37:26.099 --> 00:37:27.299 to sixty thousand to the
NOTE Confidence: 0.96752644
00:37:27.299 --> 00:37:27.799 institution.
NOTE Confidence: 0.98444283
00:37:28.500 --> 00:37:30.180 An AVR or an MVR
NOTE Confidence: 0.98444283
00:37:30.180 --> 00:37:31.059 will bring in around this
NOTE Confidence: 0.98444283

00:37:31.059 --> 00:37:31.859 amount of money. And when
NOTE Confidence: 0.98444283

00:37:31.859 --> 00:37:32.660 you get to LVAD and
NOTE Confidence: 0.98444283

00:37:32.660 --> 00:37:33.160 transplants,
NOTE Confidence: 0.9725621

00:37:33.795 --> 00:37:34.915 those as a base are
NOTE Confidence: 0.9725621

00:37:34.915 --> 00:37:35.954 bringing in a hundred and
NOTE Confidence: 0.9725621

00:37:35.954 --> 00:37:37.234 ninety thousand dollars into the
NOTE Confidence: 0.9725621

00:37:37.234 --> 00:37:39.075 hospital. Now hospitals make or
NOTE Confidence: 0.9725621

00:37:39.075 --> 00:37:40.835 lose money if they take
NOTE Confidence: 0.9725621

00:37:40.835 --> 00:37:42.355 in a transplant patient and
NOTE Confidence: 0.9725621

00:37:42.355 --> 00:37:43.474 all the care costs are
NOTE Confidence: 0.9725621

00:37:43.474 --> 00:37:45.255 a hundred fifty thousand dollars,
NOTE Confidence: 0.9725621

00:37:45.315 --> 00:37:46.960 the hospital makes money. If
NOTE Confidence: 0.9725621

00:37:46.960 --> 00:37:48.160 that patient stays in for
NOTE Confidence: 0.9725621

00:37:48.160 --> 00:37:49.440 three months in the ICU
NOTE Confidence: 0.9725621

00:37:49.440 --> 00:37:50.560 with a trach and renal
NOTE Confidence: 0.9725621

00:37:50.560 --> 00:37:52.160 failure, we probably lose money.

NOTE Confidence: 0.9725621

00:37:52.160 --> 00:37:53.520 But that's the business side

NOTE Confidence: 0.9725621

00:37:53.520 --> 00:37:54.719 of what we do, and

NOTE Confidence: 0.9725621

00:37:54.719 --> 00:37:55.540 all of us

NOTE Confidence: 0.9899938

00:37:56.080 --> 00:37:57.120 have a role in in

NOTE Confidence: 0.9899938

00:37:57.120 --> 00:37:58.320 in that even though we

NOTE Confidence: 0.9899938

00:37:58.320 --> 00:37:59.520 may not see it every

NOTE Confidence: 0.9899938

00:37:59.520 --> 00:37:59.985 day.

NOTE Confidence: 0.9654861

00:38:00.385 --> 00:38:01.905 So I wanna then make

NOTE Confidence: 0.9654861

00:38:01.905 --> 00:38:02.785 you think a little bit

NOTE Confidence: 0.9654861

00:38:02.785 --> 00:38:04.465 differently about that. Let's say

NOTE Confidence: 0.9654861

00:38:04.465 --> 00:38:05.505 that you and your family

NOTE Confidence: 0.9654861

00:38:05.505 --> 00:38:06.465 wanna go on a cruise,

NOTE Confidence: 0.9654861

00:38:06.465 --> 00:38:08.465 and you call Carnival or

NOTE Confidence: 0.9654861

00:38:08.465 --> 00:38:09.425 whatever, and you say, I

NOTE Confidence: 0.9654861

00:38:09.425 --> 00:38:11.025 wanna spend seventy thousand dollars.

NOTE Confidence: 0.9654861

00:38:11.025 --> 00:38:12.065 I wanna bring that to
NOTE Confidence: 0.9654861

00:38:12.065 --> 00:38:12.805 your institution.
NOTE Confidence: 0.9814278

00:38:13.530 --> 00:38:14.250 What do you think that
NOTE Confidence: 0.9814278

00:38:14.250 --> 00:38:15.450 they're gonna do? They're gonna
NOTE Confidence: 0.9814278

00:38:15.450 --> 00:38:16.489 roll out the carpet for
NOTE Confidence: 0.9814278

00:38:16.489 --> 00:38:17.950 you. They're gonna make it
NOTE Confidence: 0.9814278

00:38:18.010 --> 00:38:18.890 really easy for you to
NOTE Confidence: 0.9814278

00:38:18.890 --> 00:38:19.850 get they probably will pay
NOTE Confidence: 0.9814278

00:38:19.850 --> 00:38:20.890 for your hotel or your
NOTE Confidence: 0.9814278

00:38:20.890 --> 00:38:22.090 transportation. It'll give you a
NOTE Confidence: 0.9814278

00:38:22.090 --> 00:38:23.690 nice suite. Right? And they'll
NOTE Confidence: 0.9814278

00:38:23.690 --> 00:38:24.969 certainly welcome you back if
NOTE Confidence: 0.9814278

00:38:24.969 --> 00:38:25.930 you need a redo or
NOTE Confidence: 0.9814278

00:38:25.930 --> 00:38:27.230 something of that nature.
NOTE Confidence: 0.99765265

00:38:27.835 --> 00:38:28.795 But how do we treat
NOTE Confidence: 0.99765265

00:38:28.795 --> 00:38:29.995 our patients? Now this is

NOTE Confidence: 0.99765265
00:38:29.995 --> 00:38:30.955 not this is not a
NOTE Confidence: 0.99765265
00:38:30.955 --> 00:38:32.075 knock against us. This is
NOTE Confidence: 0.99765265
00:38:32.155 --> 00:38:32.955 all of us do it
NOTE Confidence: 0.99765265
00:38:32.955 --> 00:38:34.415 this way. Right? Every institution
NOTE Confidence: 0.99970466
00:38:34.875 --> 00:38:35.915 does it this way. Right?
NOTE Confidence: 0.99970466
00:38:35.915 --> 00:38:36.955 We make them pay a
NOTE Confidence: 0.99970466
00:38:36.955 --> 00:38:38.094 lot of money for parking.
NOTE Confidence: 0.96547234
00:38:38.475 --> 00:38:39.355 I got in late this
NOTE Confidence: 0.96547234
00:38:39.355 --> 00:38:40.315 morning. I parked all the
NOTE Confidence: 0.96547234
00:38:40.315 --> 00:38:41.070 way on the roof. It
NOTE Confidence: 0.96547234
00:38:41.070 --> 00:38:42.030 took fifteen minutes by the
NOTE Confidence: 0.96547234
00:38:42.030 --> 00:38:42.910 time I found a spot
NOTE Confidence: 0.96547234
00:38:42.910 --> 00:38:43.969 and it came back down.
NOTE Confidence: 0.9550809
00:38:44.670 --> 00:38:45.630 We would call for an
NOTE Confidence: 0.9550809
00:38:45.630 --> 00:38:46.910 appointment sometimes. We get I'll
NOTE Confidence: 0.9550809

00:38:46.910 --> 00:38:48.030 give you an urgent appointment.

NOTE Confidence: 0.9550809

00:38:48.030 --> 00:38:49.070 It'll be about five weeks

NOTE Confidence: 0.9550809

00:38:49.070 --> 00:38:49.810 from now.

NOTE Confidence: 0.9768638

00:38:50.110 --> 00:38:51.710 We sometimes make patients wait,

NOTE Confidence: 0.9768638

00:38:51.710 --> 00:38:53.630 especially surgeons. We're notoriously bad

NOTE Confidence: 0.9768638

00:38:53.630 --> 00:38:54.510 for that when we get

NOTE Confidence: 0.9768638

00:38:54.510 --> 00:38:55.710 called into the operating room

NOTE Confidence: 0.9768638

00:38:55.710 --> 00:38:57.685 and our patients are waiting.

NOTE Confidence: 0.99640626

00:38:57.985 --> 00:38:59.665 We limit visiting hours. We

NOTE Confidence: 0.99640626

00:38:59.665 --> 00:39:01.205 give them world class food.

NOTE Confidence: 0.8947815

00:39:02.625 --> 00:39:04.465 So, you you know, but

NOTE Confidence: 0.8947815

00:39:04.465 --> 00:39:05.525 these are people.

NOTE Confidence: 0.9625285

00:39:05.985 --> 00:39:07.925 And in cardiac surgery specifically,

NOTE Confidence: 0.99979264

00:39:08.225 --> 00:39:09.185 whether we like it or

NOTE Confidence: 0.99979264

00:39:09.185 --> 00:39:10.385 not, they are bringing a

NOTE Confidence: 0.99979264

00:39:10.385 --> 00:39:12.190 huge source of income into

NOTE Confidence: 0.99979264
00:39:12.190 --> 00:39:13.250 our hospital system.
NOTE Confidence: 0.9924486
00:39:13.550 --> 00:39:14.590 If we lose even one
NOTE Confidence: 0.9924486
00:39:14.590 --> 00:39:15.950 of those patients or two
NOTE Confidence: 0.9924486
00:39:15.950 --> 00:39:16.690 or ten,
NOTE Confidence: 0.99465656
00:39:16.989 --> 00:39:18.430 ten patients is five hundred
NOTE Confidence: 0.99465656
00:39:18.430 --> 00:39:19.950 to seven hundred thousand dollars
NOTE Confidence: 0.99465656
00:39:19.950 --> 00:39:21.070 that did not come into
NOTE Confidence: 0.99465656
00:39:21.070 --> 00:39:22.910 our hospital system because we
NOTE Confidence: 0.99465656
00:39:22.910 --> 00:39:24.270 didn't bring that patient in
NOTE Confidence: 0.99465656
00:39:24.270 --> 00:39:25.785 or lost that patient. So
NOTE Confidence: 0.99465656
00:39:25.944 --> 00:39:27.065 how do we provide that
NOTE Confidence: 0.99465656
00:39:27.065 --> 00:39:28.184 exceptional care? How do we
NOTE Confidence: 0.99465656
00:39:28.184 --> 00:39:29.864 give them something that we
NOTE Confidence: 0.99465656
00:39:29.864 --> 00:39:31.385 think that is really good?
NOTE Confidence: 0.99465656
00:39:31.385 --> 00:39:32.344 Well, I think there are
NOTE Confidence: 0.99465656

00:39:32.344 --> 00:39:32.844 nonnegotiables.
NOTE Confidence: 0.97265357

00:39:33.224 --> 00:39:34.025 There are things that we
NOTE Confidence: 0.97265357

00:39:34.025 --> 00:39:34.905 already do, and I I
NOTE Confidence: 0.97265357

00:39:34.905 --> 00:39:35.864 think we can never get
NOTE Confidence: 0.97265357

00:39:35.864 --> 00:39:37.864 away from this. Providing guideline
NOTE Confidence: 0.97265357

00:39:37.864 --> 00:39:40.109 and evidence based care, appropriateness
NOTE Confidence: 0.97265357

00:39:40.250 --> 00:39:42.430 of treatment, collegiality and teamwork,
NOTE Confidence: 0.97265357

00:39:42.570 --> 00:39:43.950 all those things, kindness,
NOTE Confidence: 0.9751504

00:39:44.489 --> 00:39:46.350 strong and and meticulous surgical
NOTE Confidence: 0.9751504

00:39:46.410 --> 00:39:47.690 care. You know, for us
NOTE Confidence: 0.9751504

00:39:47.690 --> 00:39:49.369 as surgeons, we have to
NOTE Confidence: 0.9751504

00:39:49.369 --> 00:39:50.430 be good surgeons.
NOTE Confidence: 0.9723341

00:39:51.525 --> 00:39:53.525 But we probably have some
NOTE Confidence: 0.9723341

00:39:53.525 --> 00:39:54.964 way to provide better access.
NOTE Confidence: 0.9723341

00:39:54.964 --> 00:39:56.244 So one of the things
NOTE Confidence: 0.9723341

00:39:56.244 --> 00:39:57.525 over the six months, I've

NOTE Confidence: 0.9723341
00:39:57.525 --> 00:39:59.125 had dinners and meetings with
NOTE Confidence: 0.9723341
00:39:59.125 --> 00:40:01.125 cardiologists in Rhode Island, in
NOTE Confidence: 0.9723341
00:40:01.125 --> 00:40:03.125 Lawrence Memorial area, down in,
NOTE Confidence: 0.99112606
00:40:03.765 --> 00:40:04.805 the Greenwich area. And one
NOTE Confidence: 0.99112606
00:40:04.805 --> 00:40:05.730 of the things we heard
NOTE Confidence: 0.99112606
00:40:05.890 --> 00:40:07.190 over and over is that
NOTE Confidence: 0.99112606
00:40:07.250 --> 00:40:08.290 a lot of those patients
NOTE Confidence: 0.99112606
00:40:08.290 --> 00:40:09.330 find it hard to get
NOTE Confidence: 0.99112606
00:40:09.330 --> 00:40:10.530 to New Haven. They find
NOTE Confidence: 0.99112606
00:40:10.530 --> 00:40:11.410 it hard to get all
NOTE Confidence: 0.99112606
00:40:11.410 --> 00:40:12.210 the way to us. They
NOTE Confidence: 0.99112606
00:40:12.210 --> 00:40:13.410 find it hard to drive
NOTE Confidence: 0.99112606
00:40:13.410 --> 00:40:15.010 an hour away. Now I
NOTE Confidence: 0.99112606
00:40:15.010 --> 00:40:15.969 was head of New Brunswick
NOTE Confidence: 0.99112606
00:40:15.969 --> 00:40:17.010 Heart Center where people in
NOTE Confidence: 0.99112606

00:40:17.010 --> 00:40:18.530 Canada happily drove five hours
NOTE Confidence: 0.99112606

00:40:18.530 --> 00:40:19.030 away,
NOTE Confidence: 0.98282367

00:40:19.330 --> 00:40:20.369 but it's not the case
NOTE Confidence: 0.98282367

00:40:20.369 --> 00:40:21.945 here in Connecticut. The expectations
NOTE Confidence: 0.98282367

00:40:21.945 --> 00:40:23.305 are higher. They want care
NOTE Confidence: 0.98282367

00:40:23.305 --> 00:40:24.364 close to their
NOTE Confidence: 0.98640126

00:40:24.665 --> 00:40:26.265 home. So, just last week,
NOTE Confidence: 0.98640126

00:40:26.425 --> 00:40:28.025 Kelsey joined John Forrest in
NOTE Confidence: 0.98640126

00:40:28.025 --> 00:40:29.225 the clinic in Waterford, and
NOTE Confidence: 0.98640126

00:40:29.225 --> 00:40:30.344 we wanna have a surgical
NOTE Confidence: 0.98640126

00:40:30.344 --> 00:40:31.864 presence there at least once
NOTE Confidence: 0.98640126

00:40:31.864 --> 00:40:32.825 a month, hopefully, to a
NOTE Confidence: 0.98640126

00:40:32.825 --> 00:40:34.025 cadence of about twice a
NOTE Confidence: 0.98640126

00:40:34.025 --> 00:40:34.985 month where we can see
NOTE Confidence: 0.98640126

00:40:34.985 --> 00:40:36.570 some post op visits. And
NOTE Confidence: 0.98640126

00:40:36.570 --> 00:40:37.690 if it's easier for those

NOTE Confidence: 0.98640126

00:40:37.690 --> 00:40:39.210 patients to see Kelsey and

NOTE Confidence: 0.98640126

00:40:39.210 --> 00:40:40.489 John in that clinic, we

NOTE Confidence: 0.98640126

00:40:40.489 --> 00:40:41.530 wanna provide that to them.

NOTE Confidence: 0.98640126

00:40:41.530 --> 00:40:42.650 We're not forcing them to

NOTE Confidence: 0.98640126

00:40:42.650 --> 00:40:43.770 go there, but we want

NOTE Confidence: 0.98640126

00:40:43.770 --> 00:40:44.570 them to have that as

NOTE Confidence: 0.98640126

00:40:44.570 --> 00:40:45.770 an option. And the same

NOTE Confidence: 0.98640126

00:40:45.770 --> 00:40:47.210 thing in Greenwich, we will

NOTE Confidence: 0.98640126

00:40:47.210 --> 00:40:48.489 hopefully be partnering with our

NOTE Confidence: 0.98640126

00:40:48.489 --> 00:40:50.090 cardiology colleagues. I think it

NOTE Confidence: 0.98640126

00:40:50.090 --> 00:40:50.810 always has to be a

NOTE Confidence: 0.98640126

00:40:50.810 --> 00:40:52.484 partnership, and, hopefully, there, we

NOTE Confidence: 0.98640126

00:40:52.484 --> 00:40:53.204 can see some of the

NOTE Confidence: 0.98640126

00:40:53.204 --> 00:40:54.164 patients. But if we can

NOTE Confidence: 0.98640126

00:40:54.164 --> 00:40:55.684 do that, the onus will

NOTE Confidence: 0.98640126

00:40:55.684 --> 00:40:56.325 be on us to do
NOTE Confidence: 0.98640126

00:40:56.325 --> 00:40:57.204 some of the driving, but
NOTE Confidence: 0.98640126

00:40:57.204 --> 00:40:58.484 I think that's okay. And
NOTE Confidence: 0.98640126

00:40:58.484 --> 00:40:59.765 if we get more referrals
NOTE Confidence: 0.98640126

00:40:59.765 --> 00:41:00.805 and we get to provide
NOTE Confidence: 0.98640126

00:41:00.805 --> 00:41:02.105 better care and more exceptional
NOTE Confidence: 0.98640126

00:41:02.164 --> 00:41:03.960 care, I think that's good.
NOTE Confidence: 0.98640126

00:41:04.119 --> 00:41:05.640 In cardiac surgery, we have
NOTE Confidence: 0.98640126

00:41:05.640 --> 00:41:06.520 a long way to go,
NOTE Confidence: 0.98640126

00:41:06.520 --> 00:41:07.320 but there are things that
NOTE Confidence: 0.98640126

00:41:07.320 --> 00:41:08.619 we're trying to do to
NOTE Confidence: 0.98640126

00:41:08.680 --> 00:41:10.440 create pamphlets, create material to
NOTE Confidence: 0.98640126

00:41:10.440 --> 00:41:11.239 make it a little bit
NOTE Confidence: 0.98640126

00:41:11.239 --> 00:41:12.520 easier and better for our
NOTE Confidence: 0.98640126

00:41:12.520 --> 00:41:13.900 patients to come to us.
NOTE Confidence: 0.98640126

00:41:13.960 --> 00:41:14.599 And I think there are

NOTE Confidence: 0.98640126
00:41:14.599 --> 00:41:15.320 a lot of things that
NOTE Confidence: 0.98640126
00:41:15.320 --> 00:41:16.200 we have to look at.
NOTE Confidence: 0.98640126
00:41:16.200 --> 00:41:17.885 Now we obviously can't provide
NOTE Confidence: 0.98640126
00:41:17.885 --> 00:41:19.405 Uber for everybody or free
NOTE Confidence: 0.98640126
00:41:19.405 --> 00:41:20.844 parking for everybody or have
NOTE Confidence: 0.98640126
00:41:20.844 --> 00:41:21.725 them stay at the Yale
NOTE Confidence: 0.98640126
00:41:21.725 --> 00:41:23.085 Suites. But when you have
NOTE Confidence: 0.98640126
00:41:23.085 --> 00:41:24.445 patients that are potentially coming
NOTE Confidence: 0.98640126
00:41:24.445 --> 00:41:25.484 in for a double valve
NOTE Confidence: 0.98640126
00:41:25.484 --> 00:41:26.445 or coming in for those
NOTE Confidence: 0.98640126
00:41:26.445 --> 00:41:26.945 procedures
NOTE Confidence: 0.9956488
00:41:27.325 --> 00:41:29.665 that help our our entire
NOTE Confidence: 0.9956488
00:41:29.725 --> 00:41:30.785 financial well-being,
NOTE Confidence: 0.9977239
00:41:31.130 --> 00:41:32.010 I think we have to
NOTE Confidence: 0.9977239
00:41:32.010 --> 00:41:33.230 think a little bit outside,
NOTE Confidence: 0.9997965

00:41:33.610 --> 00:41:34.270 the box.
NOTE Confidence: 0.99789476

00:41:35.210 --> 00:41:36.250 We also, I think, have
NOTE Confidence: 0.99789476

00:41:36.250 --> 00:41:38.090 opportunities to provide better service.
NOTE Confidence: 0.99789476

00:41:38.090 --> 00:41:39.210 So in terms of our
NOTE Confidence: 0.99789476

00:41:39.210 --> 00:41:40.670 outreach and and marketing,
NOTE Confidence: 0.9661411

00:41:41.130 --> 00:41:42.090 you're not seeing a lot
NOTE Confidence: 0.9661411

00:41:42.090 --> 00:41:43.610 of communications coming out of
NOTE Confidence: 0.9661411

00:41:43.610 --> 00:41:44.734 us. I think even out
NOTE Confidence: 0.9661411

00:41:44.734 --> 00:41:45.535 of the heart and vascular
NOTE Confidence: 0.9661411

00:41:45.535 --> 00:41:46.975 center, we can probably provide
NOTE Confidence: 0.9661411

00:41:46.975 --> 00:41:47.795 more communication
NOTE Confidence: 0.9827175

00:41:48.495 --> 00:41:50.015 either, in an email list
NOTE Confidence: 0.9827175

00:41:50.015 --> 00:41:50.895 serve or a whole bunch
NOTE Confidence: 0.9827175

00:41:50.895 --> 00:41:52.375 of different ways. We've had
NOTE Confidence: 0.9827175

00:41:52.375 --> 00:41:53.535 a lot of outreach meetings,
NOTE Confidence: 0.9827175

00:41:53.535 --> 00:41:54.415 but it's not just good

NOTE Confidence: 0.9827175
00:41:54.415 --> 00:41:55.375 enough to go for one
NOTE Confidence: 0.9827175
00:41:55.375 --> 00:41:56.594 meeting. You need to continue
NOTE Confidence: 0.9827175
00:41:56.655 --> 00:41:58.140 to have those meetings. Every
NOTE Confidence: 0.9827175
00:41:58.140 --> 00:41:59.579 time I meet cardiologists or
NOTE Confidence: 0.9827175
00:41:59.579 --> 00:42:00.780 colleagues somewhere else, I find
NOTE Confidence: 0.9827175
00:42:00.780 --> 00:42:01.500 out a lot of things
NOTE Confidence: 0.9827175
00:42:01.500 --> 00:42:02.460 that are really important to
NOTE Confidence: 0.9827175
00:42:02.460 --> 00:42:03.739 them that I had not
NOTE Confidence: 0.9827175
00:42:03.739 --> 00:42:04.719 even thought about.
NOTE Confidence: 0.99112254
00:42:05.099 --> 00:42:06.299 We talk about five points
NOTE Confidence: 0.99112254
00:42:06.299 --> 00:42:07.599 of communication. Ideally,
NOTE Confidence: 0.98613423
00:42:08.059 --> 00:42:09.099 when we interact with our
NOTE Confidence: 0.98613423
00:42:09.099 --> 00:42:10.780 cardiology colleagues, there are five
NOTE Confidence: 0.98613423
00:42:10.780 --> 00:42:11.980 opportunities that we have to
NOTE Confidence: 0.98613423
00:42:11.980 --> 00:42:12.942 get back to to you.
NOTE Confidence: 0.98613423

00:42:12.942 --> 00:42:14.059 If we can even maximize
NOTE Confidence: 0.98613423

00:42:14.059 --> 00:42:15.177 two or three of those,
NOTE Confidence: 0.98613423

00:42:15.177 --> 00:42:16.294 I think we'll be doing
NOTE Confidence: 0.98613423

00:42:16.294 --> 00:42:17.411 really well. Right? When you
NOTE Confidence: 0.98613423

00:42:17.411 --> 00:42:18.529 send us a consult to
NOTE Confidence: 0.98613423

00:42:18.529 --> 00:42:19.647 acknowledge that we got it,
NOTE Confidence: 0.98613423

00:42:19.647 --> 00:42:20.764 when we see the patient
NOTE Confidence: 0.98613423

00:42:20.764 --> 00:42:21.882 in clinic to acknowledge that
NOTE Confidence: 0.98613423

00:42:21.882 --> 00:42:22.999 we saw that patient, when
NOTE Confidence: 0.98613423

00:42:22.999 --> 00:42:24.117 we operate on your patient
NOTE Confidence: 0.98613423

00:42:24.117 --> 00:42:25.234 to tell you how the
NOTE Confidence: 0.98613423

00:42:25.234 --> 00:42:26.351 operation went, when that patient
NOTE Confidence: 0.98613423

00:42:26.351 --> 00:42:27.469 is discharged to tell you
NOTE Confidence: 0.98613423

00:42:27.469 --> 00:42:28.539 how that patient is doing,
NOTE Confidence: 0.98613423

00:42:28.539 --> 00:42:29.579 especially when they're not doing
NOTE Confidence: 0.98613423

00:42:29.579 --> 00:42:30.779 well, and when we see

NOTE Confidence: 0.98613423
00:42:30.779 --> 00:42:31.900 them in clinic and follow-up
NOTE Confidence: 0.98613423
00:42:31.900 --> 00:42:32.779 after about a month to
NOTE Confidence: 0.98613423
00:42:32.779 --> 00:42:33.739 tell you what the issues
NOTE Confidence: 0.98613423
00:42:33.739 --> 00:42:34.940 may or may not be.
NOTE Confidence: 0.98613423
00:42:34.940 --> 00:42:36.239 Those are the five opportunities
NOTE Confidence: 0.98613423
00:42:36.299 --> 00:42:37.339 that we have to interact
NOTE Confidence: 0.98613423
00:42:37.339 --> 00:42:38.380 with you. And the more
NOTE Confidence: 0.98613423
00:42:38.380 --> 00:42:39.579 that we're able to maximize
NOTE Confidence: 0.98613423
00:42:39.579 --> 00:42:40.619 those, I think, the better
NOTE Confidence: 0.98613423
00:42:40.619 --> 00:42:41.265 it'll be.
NOTE Confidence: 0.9983822
00:42:41.825 --> 00:42:42.944 We've asked our surgeons to
NOTE Confidence: 0.9983822
00:42:42.944 --> 00:42:43.984 be aware of the rating
NOTE Confidence: 0.9983822
00:42:43.984 --> 00:42:44.944 sites that are out there.
NOTE Confidence: 0.9983822
00:42:44.944 --> 00:42:45.744 A lot of them are
NOTE Confidence: 0.9983822
00:42:45.744 --> 00:42:47.505 independent rating sites, but you
NOTE Confidence: 0.9983822

00:42:47.505 --> 00:42:48.805 have the power to
NOTE Confidence: 0.9595277

00:42:49.184 --> 00:42:51.125 to to capture your profile,
NOTE Confidence: 0.9595277

00:42:51.184 --> 00:42:52.385 to put your photo in
NOTE Confidence: 0.9595277

00:42:52.385 --> 00:42:53.825 and the things. That's been
NOTE Confidence: 0.9595277

00:42:53.825 --> 00:42:54.785 very helpful to me in
NOTE Confidence: 0.9595277

00:42:54.785 --> 00:42:55.890 my career. If you look
NOTE Confidence: 0.9595277

00:42:55.890 --> 00:42:57.329 up Mark Peltier in health
NOTE Confidence: 0.9595277

00:42:57.329 --> 00:42:58.690 grades in Cleveland, it'll say
NOTE Confidence: 0.9595277

00:42:58.690 --> 00:42:59.410 number one out of a
NOTE Confidence: 0.9595277

00:42:59.410 --> 00:43:00.609 hundred and ten cardiac surgeons
NOTE Confidence: 0.9595277

00:43:00.609 --> 00:43:01.969 in Cleveland. It's not because
NOTE Confidence: 0.9595277

00:43:01.969 --> 00:43:02.930 I'm the number one, but
NOTE Confidence: 0.9595277

00:43:02.930 --> 00:43:03.890 I paid attention to it.
NOTE Confidence: 0.9595277

00:43:03.890 --> 00:43:04.789 And we've asked
NOTE Confidence: 0.9760099

00:43:05.089 --> 00:43:06.690 our patients to give ratings
NOTE Confidence: 0.9760099

00:43:06.690 --> 00:43:07.890 on that, and it's very

NOTE Confidence: 0.9760099
00:43:07.890 --> 00:43:09.305 powerful. Every clinic I have,
NOTE Confidence: 0.9760099
00:43:09.305 --> 00:43:10.105 I have patients that come
NOTE Confidence: 0.9760099
00:43:10.105 --> 00:43:10.984 in and say, oh, I
NOTE Confidence: 0.9760099
00:43:10.984 --> 00:43:11.864 saw this or I saw
NOTE Confidence: 0.9760099
00:43:11.864 --> 00:43:13.164 this video or I saw
NOTE Confidence: 0.9760099
00:43:13.305 --> 00:43:14.265 the ratings. And I think
NOTE Confidence: 0.9760099
00:43:14.265 --> 00:43:15.385 we need to be aware
NOTE Confidence: 0.9760099
00:43:15.385 --> 00:43:16.825 that they're out there because
NOTE Confidence: 0.9760099
00:43:16.825 --> 00:43:17.864 they are out there whether
NOTE Confidence: 0.9760099
00:43:17.864 --> 00:43:18.904 you want them to be,
NOTE Confidence: 0.9760099
00:43:19.144 --> 00:43:19.805 or not.
NOTE Confidence: 0.9928447
00:43:20.280 --> 00:43:21.880 And so, in terms of
NOTE Confidence: 0.9928447
00:43:21.880 --> 00:43:22.940 operational optimization,
NOTE Confidence: 0.972192
00:43:23.960 --> 00:43:25.320 the activity we've talked about,
NOTE Confidence: 0.972192
00:43:25.320 --> 00:43:26.200 we don't have a good
NOTE Confidence: 0.972192

00:43:26.200 --> 00:43:27.660 sense now in our state
NOTE Confidence: 0.972192

00:43:27.719 --> 00:43:28.840 who refers to us and
NOTE Confidence: 0.972192

00:43:28.840 --> 00:43:29.800 who does not. We don't
NOTE Confidence: 0.972192

00:43:29.800 --> 00:43:30.840 have a great sense in
NOTE Confidence: 0.972192

00:43:30.840 --> 00:43:31.340 our
NOTE Confidence: 0.9641451

00:43:31.640 --> 00:43:33.195 Yale network, the people we
NOTE Confidence: 0.9641451

00:43:33.195 --> 00:43:34.315 think are in our network,
NOTE Confidence: 0.9641451

00:43:34.315 --> 00:43:35.695 who's referring to us and
NOTE Confidence: 0.9760253

00:43:36.155 --> 00:43:37.594 who's not and why they're
NOTE Confidence: 0.9760253

00:43:37.594 --> 00:43:39.114 not, and maybe we have
NOTE Confidence: 0.9760253

00:43:39.114 --> 00:43:40.735 a chance to address that.
NOTE Confidence: 0.9843468

00:43:41.195 --> 00:43:42.075 I think we have the
NOTE Confidence: 0.9843468

00:43:42.075 --> 00:43:43.935 opportunity to make the process
NOTE Confidence: 0.9843468

00:43:43.995 --> 00:43:45.510 better for some patients. If
NOTE Confidence: 0.9843468

00:43:45.510 --> 00:43:46.310 you've ever been to a
NOTE Confidence: 0.9843468

00:43:46.310 --> 00:43:47.670 structural heart clinic, what's the

NOTE Confidence: 0.9843468
00:43:47.670 --> 00:43:48.950 average age of those patients?
NOTE Confidence: 0.9843468
00:43:48.950 --> 00:43:50.630 Right? It's usually eighty. Right?
NOTE Confidence: 0.9843468
00:43:50.630 --> 00:43:51.590 You know that. It's not
NOTE Confidence: 0.9843468
00:43:51.590 --> 00:43:52.550 easy for them to come
NOTE Confidence: 0.9843468
00:43:52.550 --> 00:43:53.830 in. So can we make
NOTE Confidence: 0.9843468
00:43:53.830 --> 00:43:55.190 that process easier for them?
NOTE Confidence: 0.9843468
00:43:55.190 --> 00:43:56.489 And increasingly now,
NOTE Confidence: 0.9995371
00:43:56.790 --> 00:43:57.910 we have those patients on
NOTE Confidence: 0.9995371
00:43:57.910 --> 00:43:59.025 the surgical side.
NOTE Confidence: 0.9950865
00:43:59.585 --> 00:44:01.025 In Cleveland, we partnered with,
NOTE Confidence: 0.9950865
00:44:01.424 --> 00:44:02.864 a company from Canada called
NOTE Confidence: 0.9950865
00:44:02.864 --> 00:44:03.364 SeamlessMD.
NOTE Confidence: 0.9634468
00:44:04.145 --> 00:44:05.664 They create an app, and
NOTE Confidence: 0.9634468
00:44:05.664 --> 00:44:07.025 that app is on our
NOTE Confidence: 0.9634468
00:44:07.025 --> 00:44:08.885 patient's phone. In Cleveland,
NOTE Confidence: 0.97547

00:44:09.265 --> 00:44:10.464 it is that app is
NOTE Confidence: 0.97547

00:44:10.464 --> 00:44:11.904 with them every day, every
NOTE Confidence: 0.97547

00:44:11.904 --> 00:44:12.944 step of the way from
NOTE Confidence: 0.97547

00:44:12.944 --> 00:44:14.065 preop all the way out
NOTE Confidence: 0.97547

00:44:14.065 --> 00:44:15.230 to thirty days.
NOTE Confidence: 0.94945043

00:44:15.770 --> 00:44:17.050 It asks some questions about
NOTE Confidence: 0.94945043

00:44:17.050 --> 00:44:18.250 how they're doing, what their
NOTE Confidence: 0.94945043

00:44:18.250 --> 00:44:19.610 pain scores are, things of
NOTE Confidence: 0.94945043

00:44:19.610 --> 00:44:20.350 that nature.
NOTE Confidence: 0.95135456

00:44:20.810 --> 00:44:22.010 And our data in Cleveland
NOTE Confidence: 0.95135456

00:44:22.010 --> 00:44:23.130 is very encouraging. We had
NOTE Confidence: 0.95135456

00:44:23.130 --> 00:44:24.670 enrolled eleven hundred patients.
NOTE Confidence: 0.9772292

00:44:25.450 --> 00:44:27.390 Ninety percent activated their accounts,
NOTE Confidence: 0.9772292

00:44:27.515 --> 00:44:28.875 and eighty nine percent of
NOTE Confidence: 0.9772292

00:44:28.875 --> 00:44:30.975 them would recommend seamless ND.
NOTE Confidence: 0.982729

00:44:31.355 --> 00:44:32.235 When we looked at the

NOTE Confidence: 0.982729
00:44:32.235 --> 00:44:33.614 data, we saw our readmissions
NOTE Confidence: 0.982729
00:44:33.835 --> 00:44:35.275 after the implementation. So this
NOTE Confidence: 0.982729
00:44:35.275 --> 00:44:36.795 was not a randomized trial.
NOTE Confidence: 0.982729
00:44:36.795 --> 00:44:37.835 This was simply this is
NOTE Confidence: 0.982729
00:44:37.835 --> 00:44:39.114 how we were doing it.
NOTE Confidence: 0.982729
00:44:39.114 --> 00:44:40.075 This is what we're doing
NOTE Confidence: 0.982729
00:44:40.075 --> 00:44:41.570 now. We saw a significant
NOTE Confidence: 0.982729
00:44:41.570 --> 00:44:42.710 drop in our readmissions,
NOTE Confidence: 0.9967879
00:44:43.010 --> 00:44:44.210 a significant drop in our
NOTE Confidence: 0.9967879
00:44:44.210 --> 00:44:45.430 emergency room visits,
NOTE Confidence: 0.9660578
00:44:45.730 --> 00:44:47.330 way fewer phone calls after
NOTE Confidence: 0.9660578
00:44:47.330 --> 00:44:48.950 hours to our, team,
NOTE Confidence: 0.9682931
00:44:49.730 --> 00:44:51.010 and our even our discharge
NOTE Confidence: 0.9682931
00:44:51.010 --> 00:44:52.545 to skilled nursing facility because
NOTE Confidence: 0.9682931
00:44:52.545 --> 00:44:53.505 patients knew a bit more
NOTE Confidence: 0.9682931

00:44:53.505 --> 00:44:54.545 what to expect when they
NOTE Confidence: 0.9682931

00:44:54.545 --> 00:44:55.765 were coming in and leaving,
NOTE Confidence: 0.98832655

00:44:56.704 --> 00:44:58.464 improved. And we had all
NOTE Confidence: 0.98832655

00:44:58.464 --> 00:45:00.244 kinds of positive comments about
NOTE Confidence: 0.98262894

00:45:00.704 --> 00:45:02.385 understanding the concerns, make them
NOTE Confidence: 0.98262894

00:45:02.385 --> 00:45:04.145 feel better, the consistency of
NOTE Confidence: 0.98262894

00:45:04.145 --> 00:45:06.165 having somebody there, every day.
NOTE Confidence: 0.9901679

00:45:07.440 --> 00:45:08.640 We have opportunities to expand
NOTE Confidence: 0.9901679

00:45:08.640 --> 00:45:09.840 our ECMO and our transplant
NOTE Confidence: 0.9901679

00:45:09.840 --> 00:45:11.600 program. Our transplant numbers are
NOTE Confidence: 0.9901679

00:45:11.600 --> 00:45:12.800 down right now, and I
NOTE Confidence: 0.9901679

00:45:12.800 --> 00:45:14.080 think we have opportunities to
NOTE Confidence: 0.9901679

00:45:14.080 --> 00:45:15.359 grow that. One of the
NOTE Confidence: 0.9901679

00:45:15.359 --> 00:45:16.800 opportunities is to expand our
NOTE Confidence: 0.9901679

00:45:16.800 --> 00:45:18.000 ECMO program. A lot of
NOTE Confidence: 0.9901679

00:45:18.000 --> 00:45:18.825 ECMO patients

NOTE Confidence: 0.97752243
00:45:20.825 --> 00:45:20.875 will lead to more heart
NOTE Confidence: 0.97752243
00:45:20.875 --> 00:45:21.224 failure patients, and I think
NOTE Confidence: 0.97752243
00:45:21.224 --> 00:45:22.185 we have the opportunity to
NOTE Confidence: 0.97752243
00:45:22.185 --> 00:45:23.385 do that a little bit
NOTE Confidence: 0.97752243
00:45:23.385 --> 00:45:24.505 better than we what we've
NOTE Confidence: 0.97752243
00:45:24.505 --> 00:45:25.625 been doing. But I think
NOTE Confidence: 0.97752243
00:45:25.625 --> 00:45:26.505 that will also be a
NOTE Confidence: 0.97752243
00:45:26.505 --> 00:45:27.005 multidisciplinary
NOTE Confidence: 0.9653693
00:45:27.864 --> 00:45:28.905 effort. I've had a lot
NOTE Confidence: 0.9653693
00:45:28.905 --> 00:45:29.785 of you, some of the
NOTE Confidence: 0.9653693
00:45:29.785 --> 00:45:31.464 cardio my cardiology colleagues say
NOTE Confidence: 0.9653693
00:45:31.464 --> 00:45:32.344 I'd love to be involved.
NOTE Confidence: 0.9653693
00:45:32.344 --> 00:45:33.145 I'd love to be able
NOTE Confidence: 0.9653693
00:45:33.145 --> 00:45:33.724 to cannulate.
NOTE Confidence: 0.9837893
00:45:34.140 --> 00:45:35.099 I I would love that.
NOTE Confidence: 0.9837893

00:45:35.099 --> 00:45:36.460 We we should expand our
NOTE Confidence: 0.9837893

00:45:36.460 --> 00:45:37.739 our pool of cannulators. We
NOTE Confidence: 0.9837893

00:45:37.739 --> 00:45:38.700 have a lot of talented
NOTE Confidence: 0.9837893

00:45:38.700 --> 00:45:39.920 people who can do that.
NOTE Confidence: 0.9837893

00:45:39.980 --> 00:45:40.859 But before we do that,
NOTE Confidence: 0.9837893

00:45:40.859 --> 00:45:41.980 we probably need to tighten
NOTE Confidence: 0.9837893

00:45:41.980 --> 00:45:43.099 up our mechanism a little
NOTE Confidence: 0.9837893

00:45:43.099 --> 00:45:44.059 bit as to who do
NOTE Confidence: 0.9837893

00:45:44.059 --> 00:45:45.099 we put on ECMO, who
NOTE Confidence: 0.9837893

00:45:45.099 --> 00:45:46.319 do we accept for ECMO.
NOTE Confidence: 0.9837893

00:45:46.515 --> 00:45:47.555 We need to redevelop a
NOTE Confidence: 0.9837893

00:45:47.555 --> 00:45:48.434 bit of a shock call.
NOTE Confidence: 0.9837893

00:45:48.434 --> 00:45:49.234 I need to be on
NOTE Confidence: 0.9837893

00:45:49.234 --> 00:45:50.035 the phone with some of
NOTE Confidence: 0.9837893

00:45:50.035 --> 00:45:51.474 my cardiology colleagues at two
NOTE Confidence: 0.9837893

00:45:51.474 --> 00:45:52.275 in the morning to say,

NOTE Confidence: 0.9837893

00:45:52.275 --> 00:45:53.795 hey. Is an IMPALA CP

NOTE Confidence: 0.9837893

00:45:53.795 --> 00:45:55.075 better? Is ECMO better? What

NOTE Confidence: 0.9837893

00:45:55.075 --> 00:45:56.594 do you think? Sometimes it's

NOTE Confidence: 0.9837893

00:45:56.594 --> 00:45:58.295 nothing. Sometimes it's it's palliative

NOTE Confidence: 0.9837893

00:45:58.355 --> 00:45:58.855 care.

NOTE Confidence: 0.9790884

00:46:00.239 --> 00:46:01.120 I think we have options

NOTE Confidence: 0.9790884

00:46:01.120 --> 00:46:02.719 in atrial fibrillation. There's a

NOTE Confidence: 0.9790884

00:46:02.719 --> 00:46:03.760 lot of neat work that's

NOTE Confidence: 0.9790884

00:46:03.760 --> 00:46:04.800 going on there, but, again,

NOTE Confidence: 0.9790884

00:46:04.800 --> 00:46:05.440 that has to be a

NOTE Confidence: 0.9790884

00:46:05.440 --> 00:46:07.600 partnership with the EP. EP

NOTE Confidence: 0.9790884

00:46:07.600 --> 00:46:09.120 now does tremendous work for

NOTE Confidence: 0.9790884

00:46:09.120 --> 00:46:10.239 AFib, but there are still

NOTE Confidence: 0.9790884

00:46:10.239 --> 00:46:11.520 some opportunities, I think, that

NOTE Confidence: 0.9790884

00:46:11.520 --> 00:46:13.335 we have, to do, better.

NOTE Confidence: 0.96499485

00:46:13.974 --> 00:46:14.935 I'm gonna skip a little
NOTE Confidence: 0.96499485

00:46:14.935 --> 00:46:15.974 bit through this because I
NOTE Confidence: 0.96499485

00:46:15.974 --> 00:46:17.335 do wanna give Kelsey a
NOTE Confidence: 0.96499485

00:46:17.335 --> 00:46:18.214 a few minutes, and I
NOTE Confidence: 0.96499485

00:46:18.214 --> 00:46:19.255 I know that we're running
NOTE Confidence: 0.96499485

00:46:19.255 --> 00:46:20.295 a little bit late on
NOTE Confidence: 0.96499485

00:46:20.295 --> 00:46:21.255 time, but we'll come to
NOTE Confidence: 0.96499485

00:46:21.255 --> 00:46:22.234 that in a second.
NOTE Confidence: 0.9667474

00:46:22.614 --> 00:46:24.214 Our aortic program is excellent.
NOTE Confidence: 0.9667474

00:46:24.214 --> 00:46:25.094 I mean, really, one of
NOTE Confidence: 0.9667474

00:46:25.094 --> 00:46:26.375 the stalwarts of the cardiac
NOTE Confidence: 0.9667474

00:46:26.375 --> 00:46:27.655 surgery program is the work
NOTE Confidence: 0.9667474

00:46:27.655 --> 00:46:29.410 that Johnny started now that
NOTE Confidence: 0.9667474

00:46:29.410 --> 00:46:29.910 Prashant,
NOTE Confidence: 0.910292

00:46:30.290 --> 00:46:32.450 Roland Ossie, Matt Williams are
NOTE Confidence: 0.910292

00:46:32.450 --> 00:46:33.510 doing, Gabe Deluzzo,

NOTE Confidence: 0.9845377

00:46:34.290 --> 00:46:36.210 on the aortic program. They've

NOTE Confidence: 0.9845377

00:46:36.210 --> 00:46:37.489 got a surveillance clinic of

NOTE Confidence: 0.9845377

00:46:37.489 --> 00:46:38.770 eighteen hundred patients that they're

NOTE Confidence: 0.9845377

00:46:38.770 --> 00:46:40.390 following with enlarged aneurysms.

NOTE Confidence: 0.9968031

00:46:41.145 --> 00:46:41.785 And I think we have

NOTE Confidence: 0.9968031

00:46:41.785 --> 00:46:42.665 a lot of opportunities in

NOTE Confidence: 0.9968031

00:46:42.665 --> 00:46:44.125 terms of our valve procedures.

NOTE Confidence: 0.9968031

00:46:44.185 --> 00:46:44.585 So,

NOTE Confidence: 0.9771971

00:46:44.985 --> 00:46:46.105 Arnar, who's a good friend,

NOTE Confidence: 0.9771971

00:46:46.105 --> 00:46:47.385 did tremendous work here for

NOTE Confidence: 0.9771971

00:46:47.385 --> 00:46:49.145 many years. His departure was

NOTE Confidence: 0.9771971

00:46:49.145 --> 00:46:50.105 a big loss for this

NOTE Confidence: 0.9771971

00:46:50.105 --> 00:46:50.605 institution,

NOTE Confidence: 0.9661915

00:46:51.545 --> 00:46:52.585 but we've been able to

NOTE Confidence: 0.9661915

00:46:52.585 --> 00:46:53.945 revamp that. We started in

NOTE Confidence: 0.9661915

00:46:53.945 --> 00:46:55.305 April. We've already done thirty
NOTE Confidence: 0.9661915

00:46:55.305 --> 00:46:56.640 minimally invasive procedures in
NOTE Confidence: 0.97051764

00:46:57.519 --> 00:46:59.299 last few weeks, including several
NOTE Confidence: 0.97051764

00:46:59.359 --> 00:47:00.420 robotic procedures,
NOTE Confidence: 0.9443765

00:47:00.880 --> 00:47:02.400 a bunch of complex repairs
NOTE Confidence: 0.9443765

00:47:02.400 --> 00:47:04.500 involving the anterior posterior leaflet
NOTE Confidence: 0.9443765

00:47:04.559 --> 00:47:06.420 and bands, and some replacements.
NOTE Confidence: 0.96671665

00:47:07.279 --> 00:47:08.160 And this is a just
NOTE Confidence: 0.96671665

00:47:08.160 --> 00:47:09.200 a very short video of
NOTE Confidence: 0.96671665

00:47:09.200 --> 00:47:10.000 what we see in the
NOTE Confidence: 0.96671665

00:47:10.000 --> 00:47:11.385 operating room. This was a
NOTE Confidence: 0.96671665

00:47:11.385 --> 00:47:12.425 case that we did on
NOTE Confidence: 0.96671665

00:47:12.425 --> 00:47:13.485 Monday. This was,
NOTE Confidence: 0.97395605

00:47:13.945 --> 00:47:15.705 really by leaflet prolapse because
NOTE Confidence: 0.97395605

00:47:15.705 --> 00:47:17.864 of severe annular dilation from
NOTE Confidence: 0.97395605

00:47:17.864 --> 00:47:19.005 commissure to commissure.

NOTE Confidence: 0.96913606
00:47:19.785 --> 00:47:21.645 This measured forty six millimeters,
NOTE Confidence: 0.96913606
00:47:21.705 --> 00:47:22.665 if you can imagine. So
NOTE Confidence: 0.96913606
00:47:22.665 --> 00:47:24.185 this was an undersized thirty
NOTE Confidence: 0.96913606
00:47:24.185 --> 00:47:25.900 six millimeter ring. And just
NOTE Confidence: 0.96913606
00:47:25.900 --> 00:47:27.100 by doing that, there's beautiful
NOTE Confidence: 0.96913606
00:47:27.100 --> 00:47:28.380 coaptation of the anterior and
NOTE Confidence: 0.96913606
00:47:28.380 --> 00:47:29.440 posterior leaflets.
NOTE Confidence: 0.992365
00:47:30.860 --> 00:47:32.060 We look forward to working
NOTE Confidence: 0.992365
00:47:32.060 --> 00:47:33.580 with our structural heart colleagues
NOTE Confidence: 0.992365
00:47:33.580 --> 00:47:34.460 on some of the new
NOTE Confidence: 0.992365
00:47:34.460 --> 00:47:36.320 therapies that are coming up.
NOTE Confidence: 0.992365
00:47:36.380 --> 00:47:37.900 Tricuspid valve disease, as you
NOTE Confidence: 0.992365
00:47:37.900 --> 00:47:39.020 know, is a very, very
NOTE Confidence: 0.992365
00:47:39.020 --> 00:47:39.520 challenging,
NOTE Confidence: 0.99983954
00:47:39.900 --> 00:47:40.400 entity.
NOTE Confidence: 0.98033786

00:47:40.725 --> 00:47:41.845 There is a device out
NOTE Confidence: 0.98033786

00:47:41.845 --> 00:47:43.785 there that's been, FDA approved.
NOTE Confidence: 0.98033786

00:47:43.925 --> 00:47:45.045 I think we're still in
NOTE Confidence: 0.98033786

00:47:45.045 --> 00:47:45.925 the phase of trying to
NOTE Confidence: 0.98033786

00:47:45.925 --> 00:47:47.364 figure out who's gonna benefit
NOTE Confidence: 0.98033786

00:47:47.364 --> 00:47:48.885 from it. Trials so far
NOTE Confidence: 0.98033786

00:47:48.885 --> 00:47:50.105 are not showing any mortality
NOTE Confidence: 0.98033786

00:47:50.165 --> 00:47:51.285 benefit, but they are showing
NOTE Confidence: 0.98033786

00:47:51.285 --> 00:47:53.045 quality of life improvement. So
NOTE Confidence: 0.98033786

00:47:53.045 --> 00:47:54.085 I think when you look
NOTE Confidence: 0.98033786

00:47:54.085 --> 00:47:55.410 at patients with good RV
NOTE Confidence: 0.98033786

00:47:55.410 --> 00:47:56.950 function who are not frail,
NOTE Confidence: 0.99396616

00:47:57.250 --> 00:47:58.369 we may see a survival
NOTE Confidence: 0.99396616

00:47:58.369 --> 00:47:58.869 advantage,
NOTE Confidence: 0.9994631

00:47:59.170 --> 00:48:00.069 in those patients.
NOTE Confidence: 0.94089675

00:48:00.770 --> 00:48:02.310 Tendyin, which is a transapical

NOTE Confidence: 0.94089675

00:48:02.530 --> 00:48:03.910 device, was also approved,

NOTE Confidence: 0.9816856

00:48:04.210 --> 00:48:05.969 in May. That's something that

NOTE Confidence: 0.9816856

00:48:05.969 --> 00:48:06.945 we would very much like

NOTE Confidence: 0.9816856

00:48:06.945 --> 00:48:08.705 to partner with Abbott, on.

NOTE Confidence: 0.9816856

00:48:08.705 --> 00:48:10.465 That's a transapical device, which

NOTE Confidence: 0.9816856

00:48:10.465 --> 00:48:12.305 is really just another step

NOTE Confidence: 0.9816856

00:48:12.305 --> 00:48:13.844 as we get towards transcatheter

NOTE Confidence: 0.9816856

00:48:13.985 --> 00:48:15.665 mitral valve replacement. It's definitely

NOTE Confidence: 0.9816856

00:48:15.665 --> 00:48:16.705 not gonna be the final

NOTE Confidence: 0.9816856

00:48:16.705 --> 00:48:18.725 step mainly because it's transapical,

NOTE Confidence: 0.9816856

00:48:18.945 --> 00:48:20.245 which is still invasive,

NOTE Confidence: 0.99483204

00:48:20.640 --> 00:48:22.180 But it's a wonderful technology,

NOTE Confidence: 0.9846922

00:48:22.480 --> 00:48:23.519 and I think that will

NOTE Confidence: 0.9846922

00:48:23.519 --> 00:48:24.960 help patients, especially the ones

NOTE Confidence: 0.9846922

00:48:24.960 --> 00:48:26.719 with, MAC. The MAC data

NOTE Confidence: 0.9846922

00:48:26.719 --> 00:48:28.260 was just presented at TCT.
NOTE Confidence: 0.9972458

00:48:28.640 --> 00:48:29.460 It's encouraging.
NOTE Confidence: 0.9908149

00:48:29.839 --> 00:48:31.200 There's still a high screen
NOTE Confidence: 0.9908149

00:48:31.200 --> 00:48:32.339 failure rate, but,
NOTE Confidence: 0.9819066

00:48:33.279 --> 00:48:33.760 that's,
NOTE Confidence: 0.9838452

00:48:34.079 --> 00:48:35.445 that's where it is. So
NOTE Confidence: 0.9838452

00:48:35.445 --> 00:48:36.405 I do wanna give my
NOTE Confidence: 0.9838452

00:48:36.405 --> 00:48:37.844 colleague, doctor Kelsey Gray,
NOTE Confidence: 0.99291945

00:48:38.325 --> 00:48:39.525 the floor to show you
NOTE Confidence: 0.99291945

00:48:39.525 --> 00:48:40.325 a little bit of what
NOTE Confidence: 0.99291945

00:48:40.325 --> 00:48:42.245 she's doing. And what she's
NOTE Confidence: 0.99291945

00:48:42.245 --> 00:48:43.765 doing is actually really, really
NOTE Confidence: 0.99291945

00:48:43.765 --> 00:48:44.265 cool.
NOTE Confidence: 0.9906728

00:48:44.565 --> 00:48:45.605 There are very few people
NOTE Confidence: 0.9906728

00:48:45.605 --> 00:48:46.485 in the country that are
NOTE Confidence: 0.9906728

00:48:46.485 --> 00:48:46.985 doing,

NOTE Confidence: 0.9283824

00:48:47.364 --> 00:48:49.049 robotic mid cap procedures,

NOTE Confidence: 0.98614854

00:48:49.430 --> 00:48:50.469 and there are even fewer

NOTE Confidence: 0.98614854

00:48:50.469 --> 00:48:51.750 that are doing what's called

NOTE Confidence: 0.98614854

00:48:51.750 --> 00:48:53.270 TCAP procedures. So that's a

NOTE Confidence: 0.98614854

00:48:53.270 --> 00:48:55.369 totally robotic endoscopic procedure.

NOTE Confidence: 0.9950768

00:48:55.670 --> 00:48:57.190 There's no incision other than

NOTE Confidence: 0.9950768

00:48:57.190 --> 00:48:58.469 the ports, that are going

NOTE Confidence: 0.9950768

00:48:58.469 --> 00:48:59.989 in. She did a case,

NOTE Confidence: 0.9950768

00:49:00.230 --> 00:49:00.730 yesterday.

NOTE Confidence: 0.95616883

00:49:01.349 --> 00:49:02.390 It was a long case,

NOTE Confidence: 0.95616883

00:49:02.390 --> 00:49:05.085 complicated patient, two arterial grafts,

NOTE Confidence: 0.95616883

00:49:05.085 --> 00:49:05.985 totally endoscopic,

NOTE Confidence: 0.826659

00:49:06.925 --> 00:49:09.025 all done the nasmosis robotically.

NOTE Confidence: 0.96620864

00:49:09.485 --> 00:49:11.245 So, if you'll allow me,

NOTE Confidence: 0.96620864

00:49:11.245 --> 00:49:12.205 I'd like to have, doctor

NOTE Confidence: 0.96620864

00:49:12.205 --> 00:49:13.325 Kelsey Gray maybe show you

NOTE Confidence: 0.96620864

00:49:13.325 --> 00:49:14.125 a couple of videos of

NOTE Confidence: 0.96620864

00:49:14.125 --> 00:49:14.925 some of the cool things

NOTE Confidence: 0.96620864

00:49:14.925 --> 00:49:16.045 that are going on. Then

NOTE Confidence: 0.96620864

00:49:16.045 --> 00:49:17.245 after that, we'll have some

NOTE Confidence: 0.96620864

00:49:17.245 --> 00:49:18.065 time for questions.

NOTE Confidence: 0.9127383

00:49:29.320 --> 00:49:30.060 Thank you.

NOTE Confidence: 0.99130744

00:49:30.440 --> 00:49:31.820 If you're not done eating,

NOTE Confidence: 0.76712996

00:49:32.120 --> 00:49:32.620 stop.

NOTE Confidence: 0.98820776

00:49:32.925 --> 00:49:34.045 I'm gonna show you some

NOTE Confidence: 0.98820776

00:49:34.045 --> 00:49:35.885 serious inside of Lottie pictures.

NOTE Confidence: 0.98820776

00:49:35.885 --> 00:49:36.385 Okay?

NOTE Confidence: 0.9810428

00:49:38.125 --> 00:49:39.325 Yeah. It was really nice

NOTE Confidence: 0.9810428

00:49:39.325 --> 00:49:40.125 of Mark to give me

NOTE Confidence: 0.9810428

00:49:40.125 --> 00:49:41.405 such a nice introduction and

NOTE Confidence: 0.9810428

00:49:41.405 --> 00:49:42.705 to give me the opportunity

NOTE Confidence: 0.9810428
00:49:42.844 --> 00:49:43.665 to come here.
NOTE Confidence: 0.99753135
00:49:44.940 --> 00:49:45.900 It's also nice that he
NOTE Confidence: 0.99753135
00:49:45.900 --> 00:49:46.859 got he saved, like, the
NOTE Confidence: 0.99753135
00:49:46.859 --> 00:49:48.300 really showy part and fun
NOTE Confidence: 0.99753135
00:49:48.300 --> 00:49:49.680 part for me, which is
NOTE Confidence: 0.99753135
00:49:49.819 --> 00:49:51.680 always extra nice too. Okay.
NOTE Confidence: 0.89457154
00:49:51.980 --> 00:49:52.380 So,
NOTE Confidence: 0.98334265
00:49:53.260 --> 00:49:54.219 I was just gonna start
NOTE Confidence: 0.98334265
00:49:54.219 --> 00:49:55.099 by kind of I I
NOTE Confidence: 0.98334265
00:49:55.099 --> 00:49:56.140 don't know actually how many
NOTE Confidence: 0.98334265
00:49:56.140 --> 00:49:56.859 of you have had the
NOTE Confidence: 0.98334265
00:49:56.859 --> 00:49:57.980 opportunity to go to the
NOTE Confidence: 0.98334265
00:49:57.980 --> 00:49:59.225 OR and see what we
NOTE Confidence: 0.98334265
00:49:59.225 --> 00:50:00.665 do. So in order to
NOTE Confidence: 0.98334265
00:50:00.665 --> 00:50:02.665 really drive home how awesome
NOTE Confidence: 0.98334265

00:50:02.665 --> 00:50:03.864 some of the minimally evasive

NOTE Confidence: 0.98334265

00:50:03.864 --> 00:50:04.825 stuff is that we're doing,

NOTE Confidence: 0.98334265

00:50:04.825 --> 00:50:05.545 I'm gonna show you what

NOTE Confidence: 0.98334265

00:50:05.545 --> 00:50:06.425 it looks like on a

NOTE Confidence: 0.98334265

00:50:06.425 --> 00:50:07.385 normal case. So here's a

NOTE Confidence: 0.98334265

00:50:07.385 --> 00:50:08.585 sternotomy. I don't know if

NOTE Confidence: 0.98334265

00:50:08.585 --> 00:50:09.305 any of you have ever

NOTE Confidence: 0.98334265

00:50:09.305 --> 00:50:10.045 seen it.

NOTE Confidence: 0.9422413

00:50:10.920 --> 00:50:12.119 But we basically just take

NOTE Confidence: 0.9422413

00:50:12.119 --> 00:50:12.780 a saw

NOTE Confidence: 0.9963938

00:50:13.880 --> 00:50:15.500 and saw the chest open.

NOTE Confidence: 0.9963938

00:50:15.640 --> 00:50:17.960 Okay? It's maximally invasive in

NOTE Confidence: 0.9963938

00:50:17.960 --> 00:50:19.020 every way possible.

NOTE Confidence: 0.94530725

00:50:20.440 --> 00:50:21.319 This is how we harvest

NOTE Confidence: 0.94530725

00:50:21.319 --> 00:50:22.680 the mammary. We take these

NOTE Confidence: 0.94530725

00:50:22.680 --> 00:50:23.685 hooks in, and we

NOTE Confidence: 0.9960563
00:50:24.165 --> 00:50:25.125 lift up the side of
NOTE Confidence: 0.9960563
00:50:25.125 --> 00:50:26.565 the chest and show ourselves
NOTE Confidence: 0.9960563
00:50:26.565 --> 00:50:28.005 the mammary. Right? It's very
NOTE Confidence: 0.9960563
00:50:28.005 --> 00:50:29.125 invasive. We use this big
NOTE Confidence: 0.9960563
00:50:29.125 --> 00:50:30.025 metal contraption.
NOTE Confidence: 0.97654456
00:50:31.925 --> 00:50:33.205 And then, ultimately, we take
NOTE Confidence: 0.97654456
00:50:33.205 --> 00:50:34.325 a very lovely mammary. So
NOTE Confidence: 0.97654456
00:50:34.325 --> 00:50:35.385 this is what a skeletonized
NOTE Confidence: 0.97654456
00:50:35.605 --> 00:50:37.285 mammary looks like harvested off
NOTE Confidence: 0.97654456
00:50:37.285 --> 00:50:38.245 the chest wall. But you
NOTE Confidence: 0.97654456
00:50:38.245 --> 00:50:39.730 can see, this is this
NOTE Confidence: 0.97654456
00:50:39.730 --> 00:50:41.190 is why patients have postoperative
NOTE Confidence: 0.97654456
00:50:41.330 --> 00:50:42.290 pain. This is why they
NOTE Confidence: 0.97654456
00:50:42.290 --> 00:50:43.489 struggle to go home. It's
NOTE Confidence: 0.97654456
00:50:43.489 --> 00:50:45.090 not just the incision itself.
NOTE Confidence: 0.97654456

00:50:45.090 --> 00:50:46.130 It's what we're doing to
NOTE Confidence: 0.97654456

00:50:46.130 --> 00:50:47.650 their chest wall. And you
NOTE Confidence: 0.97654456

00:50:47.650 --> 00:50:49.350 can imagine in older patients,
NOTE Confidence: 0.97654456

00:50:49.410 --> 00:50:50.550 more frail patients,
NOTE Confidence: 0.9997684

00:50:52.935 --> 00:50:53.435 malnourished
NOTE Confidence: 0.98243046

00:50:53.815 --> 00:50:55.495 patients. This leads to rib
NOTE Confidence: 0.98243046

00:50:55.495 --> 00:50:55.995 fractures,
NOTE Confidence: 0.93993086

00:50:56.295 --> 00:50:57.995 fractures of the, costochondral
NOTE Confidence: 0.9772041

00:50:58.375 --> 00:50:59.915 cartilage, all that stuff.
NOTE Confidence: 0.96833426

00:51:00.535 --> 00:51:02.455 So very maximally invasive. And
NOTE Confidence: 0.96833426

00:51:02.455 --> 00:51:03.575 then afterwards, we put this
NOTE Confidence: 0.96833426

00:51:03.575 --> 00:51:04.695 big retractor in, and we
NOTE Confidence: 0.96833426

00:51:04.695 --> 00:51:06.239 spread the chest wide open.
NOTE Confidence: 0.96833426

00:51:06.239 --> 00:51:07.600 And we cannulate the or
NOTE Confidence: 0.96833426

00:51:07.760 --> 00:51:09.920 the aorta and the SVC
NOTE Confidence: 0.96833426

00:51:09.920 --> 00:51:11.120 and the IVC depending on

NOTE Confidence: 0.96833426
00:51:11.120 --> 00:51:11.840 what you're doing. And this
NOTE Confidence: 0.96833426
00:51:11.840 --> 00:51:12.560 just sort of gives a
NOTE Confidence: 0.96833426
00:51:12.560 --> 00:51:13.600 picture of how many tubes
NOTE Confidence: 0.96833426
00:51:13.600 --> 00:51:14.640 and lines you can have
NOTE Confidence: 0.96833426
00:51:14.640 --> 00:51:15.600 running through your heart at
NOTE Confidence: 0.96833426
00:51:15.600 --> 00:51:16.660 any given time.
NOTE Confidence: 0.9696513
00:51:19.525 --> 00:51:20.325 But now we can do
NOTE Confidence: 0.9696513
00:51:20.325 --> 00:51:21.445 it with the robot. A
NOTE Confidence: 0.9696513
00:51:21.445 --> 00:51:22.165 lot of what we can
NOTE Confidence: 0.9696513
00:51:22.165 --> 00:51:22.885 do, we can do with
NOTE Confidence: 0.9696513
00:51:22.885 --> 00:51:24.005 the robot. So I would
NOTE Confidence: 0.9696513
00:51:24.005 --> 00:51:26.165 say very easily here, we're
NOTE Confidence: 0.9696513
00:51:26.165 --> 00:51:27.525 in a good position now
NOTE Confidence: 0.9696513
00:51:27.525 --> 00:51:29.225 to be doing robotic CABG,
NOTE Confidence: 0.9696513
00:51:29.364 --> 00:51:31.844 robotic mitral valve, robotic aortic
NOTE Confidence: 0.9696513

00:51:31.844 --> 00:51:32.344 valve,
NOTE Confidence: 0.99439156
00:51:32.690 --> 00:51:33.650 and we're kind of expanding
NOTE Confidence: 0.99439156
00:51:33.650 --> 00:51:34.870 that. We can do epicardial
NOTE Confidence: 0.99439156
00:51:35.090 --> 00:51:36.130 lead placements. We can do
NOTE Confidence: 0.99439156
00:51:36.130 --> 00:51:38.290 left atrial appendage ligation. We're
NOTE Confidence: 0.99439156
00:51:38.290 --> 00:51:39.330 hoping to grow that to
NOTE Confidence: 0.99439156
00:51:39.330 --> 00:51:40.370 be able to do,
NOTE Confidence: 0.9942833
00:51:41.170 --> 00:51:41.910 some ablations,
NOTE Confidence: 0.9940322
00:51:42.690 --> 00:51:44.770 convergent procedure, etcetera, etcetera. We're
NOTE Confidence: 0.9940322
00:51:44.770 --> 00:51:45.730 not quite there yet, but
NOTE Confidence: 0.9940322
00:51:45.730 --> 00:51:47.090 we're we're basically finding every
NOTE Confidence: 0.9940322
00:51:47.090 --> 00:51:48.355 way possible to apply the
NOTE Confidence: 0.9940322
00:51:48.355 --> 00:51:48.855 robot.
NOTE Confidence: 0.988988
00:51:49.395 --> 00:51:50.114 And this is what it
NOTE Confidence: 0.988988
00:51:50.114 --> 00:51:51.315 looks like. This is me
NOTE Confidence: 0.988988
00:51:51.315 --> 00:51:52.775 setting up to do a

NOTE Confidence: 0.988988
00:51:52.835 --> 00:51:54.195 robotic mid cab. So you
NOTE Confidence: 0.988988
00:51:54.195 --> 00:51:55.255 see our three incisions
NOTE Confidence: 0.98165077
00:51:55.715 --> 00:51:56.915 right there. If we do
NOTE Confidence: 0.98165077
00:51:56.915 --> 00:51:58.755 a TCAB, we add, two
NOTE Confidence: 0.98165077
00:51:58.755 --> 00:52:00.594 extra incisions. You'll get one
NOTE Confidence: 0.98165077
00:52:00.672 --> 00:52:01.710 for the people on Zoom,
NOTE Confidence: 0.98165077
00:52:01.710 --> 00:52:02.670 I'm sorry, but you get
NOTE Confidence: 0.98165077
00:52:02.670 --> 00:52:04.350 one right here and one
NOTE Confidence: 0.98165077
00:52:04.350 --> 00:52:05.790 right here. This is what
NOTE Confidence: 0.98165077
00:52:05.790 --> 00:52:06.670 it looks like when we
NOTE Confidence: 0.98165077
00:52:06.670 --> 00:52:08.270 harvest it robotically. So this
NOTE Confidence: 0.98165077
00:52:08.270 --> 00:52:09.090 is a bilateral
NOTE Confidence: 0.98804015
00:52:09.870 --> 00:52:11.489 mammary harvest. So
NOTE Confidence: 0.97008264
00:52:11.790 --> 00:52:12.670 this is on the right
NOTE Confidence: 0.97008264
00:52:12.830 --> 00:52:14.030 this is the right internal
NOTE Confidence: 0.97008264

00:52:14.030 --> 00:52:15.630 mammary artery that I'm harvesting

NOTE Confidence: 0.97008264

00:52:15.630 --> 00:52:16.475 with the robot. So you

NOTE Confidence: 0.97008264

00:52:16.475 --> 00:52:17.275 can see you can just

NOTE Confidence: 0.97008264

00:52:17.275 --> 00:52:18.815 zoom right across the sternum

NOTE Confidence: 0.9419549

00:52:19.355 --> 00:52:20.715 and take open the the

NOTE Confidence: 0.9419549

00:52:20.715 --> 00:52:21.835 pleura is still closed on

NOTE Confidence: 0.9419549

00:52:21.835 --> 00:52:22.555 the you can see the

NOTE Confidence: 0.9419549

00:52:22.555 --> 00:52:24.395 right lung ventilating there. You

NOTE Confidence: 0.9419549

00:52:24.395 --> 00:52:25.675 just take down the mammary.

NOTE Confidence: 0.9419549

00:52:25.675 --> 00:52:26.955 This is a robotic clip

NOTE Confidence: 0.9419549

00:52:26.955 --> 00:52:28.335 applier putting a clip

NOTE Confidence: 0.97893894

00:52:28.820 --> 00:52:30.020 on the branch, and then

NOTE Confidence: 0.97893894

00:52:30.020 --> 00:52:31.140 you just sort of bovie

NOTE Confidence: 0.97893894

00:52:31.140 --> 00:52:32.180 the branch off the chest

NOTE Confidence: 0.97893894

00:52:32.180 --> 00:52:33.460 wall. These are kind of

NOTE Confidence: 0.97893894

00:52:33.460 --> 00:52:33.960 intercostal

NOTE Confidence: 0.8746093
00:52:34.420 --> 00:52:35.480 branches, basically.
NOTE Confidence: 0.9981903
00:52:36.100 --> 00:52:36.900 And this is what it
NOTE Confidence: 0.9981903
00:52:36.900 --> 00:52:38.020 looks like. And so you
NOTE Confidence: 0.9981903
00:52:38.020 --> 00:52:39.320 can harvest the
NOTE Confidence: 0.99977255
00:52:39.860 --> 00:52:41.560 right internal mammary artery
NOTE Confidence: 0.97936136
00:52:42.185 --> 00:52:42.984 and use that as a
NOTE Confidence: 0.97936136
00:52:42.984 --> 00:52:44.025 conduit. You can either do
NOTE Confidence: 0.97936136
00:52:44.025 --> 00:52:45.545 it in situ. So you
NOTE Confidence: 0.97936136
00:52:45.545 --> 00:52:46.425 swing it over, and you
NOTE Confidence: 0.97936136
00:52:46.425 --> 00:52:47.465 can actually swing it over
NOTE Confidence: 0.97936136
00:52:47.465 --> 00:52:48.185 and put it on the
NOTE Confidence: 0.97936136
00:52:48.185 --> 00:52:49.145 LAD, and you can use
NOTE Confidence: 0.97936136
00:52:49.145 --> 00:52:50.344 the LIMA and take that
NOTE Confidence: 0.97936136
00:52:50.344 --> 00:52:51.705 to the lateral wall. Or
NOTE Confidence: 0.97936136
00:52:51.705 --> 00:52:52.585 in this case, I think
NOTE Confidence: 0.97936136

00:52:52.585 --> 00:52:53.625 for this patient, I actually
NOTE Confidence: 0.97936136

00:52:53.625 --> 00:52:54.425 took it as a free
NOTE Confidence: 0.97936136

00:52:54.425 --> 00:52:54.925 graft,
NOTE Confidence: 0.9895904

00:52:55.530 --> 00:52:56.250 and I took it to
NOTE Confidence: 0.9895904

00:52:56.250 --> 00:52:57.530 a ramus in this case.
NOTE Confidence: 0.9895904

00:52:57.530 --> 00:52:58.730 But so I didn't take
NOTE Confidence: 0.9895904

00:52:58.730 --> 00:52:59.850 as much. I took about
NOTE Confidence: 0.9895904

00:52:59.850 --> 00:53:00.670 four intercostal
NOTE Confidence: 0.99951017

00:53:01.130 --> 00:53:01.630 spaces
NOTE Confidence: 0.99645764

00:53:02.090 --> 00:53:02.590 of
NOTE Confidence: 0.91147715

00:53:03.130 --> 00:53:03.790 the right.
NOTE Confidence: 0.9869279

00:53:04.170 --> 00:53:05.050 And then that's what it
NOTE Confidence: 0.9869279

00:53:05.050 --> 00:53:06.730 looks like. So it's perfectly
NOTE Confidence: 0.9869279

00:53:06.730 --> 00:53:08.090 skeletonized, and then I move
NOTE Confidence: 0.9869279

00:53:08.090 --> 00:53:08.890 over to the left. And
NOTE Confidence: 0.9869279

00:53:08.890 --> 00:53:10.010 here we are starting on

NOTE Confidence: 0.9869279
00:53:10.010 --> 00:53:11.285 the left. So you just
NOTE Confidence: 0.9869279
00:53:11.445 --> 00:53:12.725 it's exactly how you would
NOTE Confidence: 0.9869279
00:53:12.725 --> 00:53:13.605 do it open. You just
NOTE Confidence: 0.9869279
00:53:13.605 --> 00:53:14.885 go from left to right
NOTE Confidence: 0.9869279
00:53:14.885 --> 00:53:16.005 instead of from right to
NOTE Confidence: 0.9869279
00:53:16.005 --> 00:53:17.364 left, and there it is.
NOTE Confidence: 0.9869279
00:53:17.364 --> 00:53:18.805 There's the left internal mammary
NOTE Confidence: 0.9869279
00:53:18.805 --> 00:53:19.305 artery.
NOTE Confidence: 0.96919554
00:53:19.685 --> 00:53:20.885 I kinda sped the video
NOTE Confidence: 0.96919554
00:53:20.885 --> 00:53:22.485 along, but more or less,
NOTE Confidence: 0.96919554
00:53:22.485 --> 00:53:23.625 you end up with two
NOTE Confidence: 0.96919554
00:53:23.880 --> 00:53:24.940 nicely skeletonized
NOTE Confidence: 0.9976626
00:53:25.319 --> 00:53:26.539 internal mammary arteries.
NOTE Confidence: 0.94900954
00:53:28.440 --> 00:53:29.480 And then the next step
NOTE Confidence: 0.94900954
00:53:29.480 --> 00:53:30.760 in the operation after that
NOTE Confidence: 0.94900954

00:53:30.760 --> 00:53:31.799 when we're doing a regular
NOTE Confidence: 0.94900954

00:53:31.799 --> 00:53:32.599 mid cab is to go
NOTE Confidence: 0.94900954

00:53:32.599 --> 00:53:33.559 and I do a posterior
NOTE Confidence: 0.94900954

00:53:33.559 --> 00:53:34.059 pericardotomy.
NOTE Confidence: 0.988654

00:53:34.519 --> 00:53:35.319 And so I look down
NOTE Confidence: 0.988654

00:53:35.319 --> 00:53:36.119 at the bottom of the
NOTE Confidence: 0.988654

00:53:36.119 --> 00:53:37.000 heart, and this is also
NOTE Confidence: 0.988654

00:53:37.000 --> 00:53:37.965 how you'll do a clip.
NOTE Confidence: 0.9647865

00:53:38.445 --> 00:53:40.205 So here, I just open
NOTE Confidence: 0.9647865

00:53:40.205 --> 00:53:40.864 the pericardium,
NOTE Confidence: 0.98831624

00:53:41.405 --> 00:53:42.844 and this allows the the
NOTE Confidence: 0.98831624

00:53:42.844 --> 00:53:44.445 pericardium to drain into the
NOTE Confidence: 0.98831624

00:53:44.445 --> 00:53:45.325 left chest at the end
NOTE Confidence: 0.98831624

00:53:45.325 --> 00:53:46.205 of the case. It also
NOTE Confidence: 0.98831624

00:53:46.205 --> 00:53:46.705 reduces
NOTE Confidence: 0.98940945

00:53:47.005 --> 00:53:48.305 the incidence of

NOTE Confidence: 0.82147455
00:53:49.245 --> 00:53:49.745 postoperative
NOTE Confidence: 0.9826088
00:53:50.125 --> 00:53:51.730 AFib and some pericarditis.
NOTE Confidence: 0.98928374
00:53:52.349 --> 00:53:53.150 And so if you're gonna
NOTE Confidence: 0.98928374
00:53:53.150 --> 00:53:54.530 do the left atrial appendage,
NOTE Confidence: 0.98928374
00:53:54.589 --> 00:53:55.789 that's the approach there. You
NOTE Confidence: 0.98928374
00:53:55.789 --> 00:53:57.650 just lengthen that, incision
NOTE Confidence: 0.9960362
00:53:58.270 --> 00:53:59.730 and show yourself the appendage.
NOTE Confidence: 0.9857474
00:54:00.270 --> 00:54:02.190 Here is opening the anterior
NOTE Confidence: 0.9857474
00:54:02.190 --> 00:54:03.390 pericardium, and so this is
NOTE Confidence: 0.9857474
00:54:03.390 --> 00:54:04.270 how I'm gonna see the
NOTE Confidence: 0.9857474
00:54:04.270 --> 00:54:05.150 LAD. And so you can
NOTE Confidence: 0.9857474
00:54:05.150 --> 00:54:06.270 see it. It's right in
NOTE Confidence: 0.9857474
00:54:06.270 --> 00:54:07.585 there. And so the robot
NOTE Confidence: 0.9857474
00:54:07.585 --> 00:54:08.625 actually takes away a lot
NOTE Confidence: 0.9857474
00:54:08.625 --> 00:54:09.765 of, I think, the criticism
NOTE Confidence: 0.9857474

00:54:09.905 --> 00:54:11.425 associated with doing a traditional

NOTE Confidence: 0.9857474

00:54:11.425 --> 00:54:12.625 mid cap, which is that

NOTE Confidence: 0.9857474

00:54:12.625 --> 00:54:13.825 you're very limited in how

NOTE Confidence: 0.9857474

00:54:13.825 --> 00:54:15.445 you can identify the LAD.

NOTE Confidence: 0.9857474

00:54:15.665 --> 00:54:16.625 But with the robot, you

NOTE Confidence: 0.9857474

00:54:16.625 --> 00:54:18.485 can open the pericardium widely.

NOTE Confidence: 0.9739943

00:54:18.864 --> 00:54:20.230 You can look on the

NOTE Confidence: 0.9739943

00:54:20.230 --> 00:54:21.670 lateral wall. You can see

NOTE Confidence: 0.9739943

00:54:21.670 --> 00:54:22.489 a diagonal.

NOTE Confidence: 0.9150152

00:54:22.870 --> 00:54:23.850 See that diagonal?

NOTE Confidence: 0.9992921

00:54:24.230 --> 00:54:25.190 And then I can see

NOTE Confidence: 0.9992921

00:54:25.190 --> 00:54:26.489 that I have the LAD.

NOTE Confidence: 0.9919247

00:54:26.950 --> 00:54:27.989 The next step here is

NOTE Confidence: 0.9919247

00:54:27.989 --> 00:54:28.969 to make our incision.

NOTE Confidence: 0.9754577

00:54:29.590 --> 00:54:30.390 And so this is the

NOTE Confidence: 0.9754577

00:54:30.390 --> 00:54:31.430 incision that I would do

NOTE Confidence: 0.9754577
00:54:31.430 --> 00:54:32.870 a traditional beating heart mid
NOTE Confidence: 0.9754577
00:54:32.870 --> 00:54:34.935 cap through. So on the
NOTE Confidence: 0.9754577
00:54:34.935 --> 00:54:36.535 left, you can see I
NOTE Confidence: 0.9754577
00:54:36.535 --> 00:54:38.615 have a stabilizer coming in,
NOTE Confidence: 0.9754577
00:54:38.615 --> 00:54:39.575 and I use a little
NOTE Confidence: 0.9754577
00:54:39.575 --> 00:54:40.935 retractor here. I've now moved
NOTE Confidence: 0.9754577
00:54:40.935 --> 00:54:42.055 away from that, and I'm
NOTE Confidence: 0.9754577
00:54:42.055 --> 00:54:43.815 doing probably ninety eight percent
NOTE Confidence: 0.9754577
00:54:43.815 --> 00:54:45.415 of my mid cabs through
NOTE Confidence: 0.9754577
00:54:45.660 --> 00:54:46.940 with just the soft tissue
NOTE Confidence: 0.9754577
00:54:46.940 --> 00:54:48.460 retractor through that incision. So
NOTE Confidence: 0.9754577
00:54:48.460 --> 00:54:49.660 they're not even getting any
NOTE Confidence: 0.9754577
00:54:49.660 --> 00:54:50.400 ribs spreading.
NOTE Confidence: 0.99820274
00:54:51.020 --> 00:54:51.819 They do still get the
NOTE Confidence: 0.99820274
00:54:51.819 --> 00:54:52.319 stabilizer
NOTE Confidence: 0.9913897

00:54:52.619 --> 00:54:53.660 to put on the heart
NOTE Confidence: 0.9913897

00:54:53.660 --> 00:54:54.719 through that approach.
NOTE Confidence: 0.9349408

00:54:57.420 --> 00:54:58.380 And then TCAP. This is
NOTE Confidence: 0.9349408

00:54:58.380 --> 00:54:59.775 a video. So this is
NOTE Confidence: 0.9349408

00:54:59.775 --> 00:55:00.734 like a little snippet of
NOTE Confidence: 0.9349408

00:55:00.734 --> 00:55:01.935 a video that we submitted
NOTE Confidence: 0.9349408

00:55:01.935 --> 00:55:03.075 to the double ATS,
NOTE Confidence: 0.9740322

00:55:05.214 --> 00:55:06.335 and this is what TCAB
NOTE Confidence: 0.9740322

00:55:06.335 --> 00:55:07.535 looks like. So the prep
NOTE Confidence: 0.9740322

00:55:07.535 --> 00:55:08.734 is still all the same,
NOTE Confidence: 0.9740322

00:55:08.734 --> 00:55:10.755 same port sites, same everything.
NOTE Confidence: 0.9666631

00:55:12.519 --> 00:55:13.559 The only difference is is
NOTE Confidence: 0.9666631

00:55:13.559 --> 00:55:14.760 that instead of making the
NOTE Confidence: 0.9666631

00:55:14.760 --> 00:55:16.940 anterior mini thoracotomy, we just
NOTE Confidence: 0.9907858

00:55:17.559 --> 00:55:19.500 stop the heart, and then
NOTE Confidence: 0.9907858

00:55:19.640 --> 00:55:20.760 I just do everything with

NOTE Confidence: 0.9907858
00:55:20.760 --> 00:55:21.420 the robot.
NOTE Confidence: 0.96004
00:55:21.799 --> 00:55:23.559 So that's the internal mammary
NOTE Confidence: 0.96004
00:55:23.559 --> 00:55:24.839 artery. This is just the
NOTE Confidence: 0.96004
00:55:24.839 --> 00:55:26.380 isolated LIMA to LAD.
NOTE Confidence: 0.9755274
00:55:27.305 --> 00:55:28.665 And this is just a
NOTE Confidence: 0.9755274
00:55:28.665 --> 00:55:30.505 fun little video of so
NOTE Confidence: 0.9755274
00:55:30.505 --> 00:55:31.465 what it looks like to
NOTE Confidence: 0.9755274
00:55:31.465 --> 00:55:31.965 sew
NOTE Confidence: 0.9986763
00:55:32.585 --> 00:55:34.285 the LIMA to the LAD
NOTE Confidence: 0.9986763
00:55:34.425 --> 00:55:36.045 with the robotic approach.
NOTE Confidence: 0.9698837
00:55:36.505 --> 00:55:37.785 This is a special double
NOTE Confidence: 0.9698837
00:55:37.785 --> 00:55:39.405 armed seven o proline,
NOTE Confidence: 0.9988338
00:55:40.025 --> 00:55:41.050 well, polypropylene
NOTE Confidence: 0.99811065
00:55:41.430 --> 00:55:43.130 type suture that's made
NOTE Confidence: 0.97974366
00:55:43.590 --> 00:55:45.270 kind of exclusively for this
NOTE Confidence: 0.97974366

00:55:45.270 --> 00:55:46.790 purpose, although very few people
NOTE Confidence: 0.97974366

00:55:46.790 --> 00:55:47.989 really use it. You have
NOTE Confidence: 0.97974366

00:55:47.989 --> 00:55:49.109 to special order it. It's
NOTE Confidence: 0.97974366

00:55:49.109 --> 00:55:51.109 only six centimeters long, and
NOTE Confidence: 0.97974366

00:55:51.109 --> 00:55:52.310 the needle's a lot smaller
NOTE Confidence: 0.97974366

00:55:52.310 --> 00:55:53.190 than the needle you would
NOTE Confidence: 0.97974366

00:55:53.190 --> 00:55:54.469 see on a traditional seven
NOTE Confidence: 0.97974366

00:55:54.469 --> 00:55:56.545 o. The robot really magnifies
NOTE Confidence: 0.97974366

00:55:56.765 --> 00:55:58.045 everything, so it gives you
NOTE Confidence: 0.97974366

00:55:58.045 --> 00:55:59.184 really good visualization.
NOTE Confidence: 0.97023547

00:56:00.285 --> 00:56:01.244 And so here you can
NOTE Confidence: 0.97023547

00:56:01.244 --> 00:56:03.085 see we're just sewing the
NOTE Confidence: 0.97023547

00:56:03.085 --> 00:56:04.765 anastomosis like we normally would,
NOTE Confidence: 0.97023547

00:56:04.765 --> 00:56:05.565 but you can see how
NOTE Confidence: 0.97023547

00:56:05.565 --> 00:56:07.404 excellent the visualization is. Right?
NOTE Confidence: 0.97023547

00:56:07.404 --> 00:56:08.364 You can oh, it's kinda

NOTE Confidence: 0.97023547
00:56:08.364 --> 00:56:09.585 blurry on your screen.
NOTE Confidence: 0.9629559
00:56:10.700 --> 00:56:11.579 Maybe it's just because it's
NOTE Confidence: 0.9629559
00:56:11.579 --> 00:56:12.940 so blown up. But the
NOTE Confidence: 0.9629559
00:56:12.940 --> 00:56:14.700 the visualization is really nice.
NOTE Confidence: 0.9629559
00:56:14.700 --> 00:56:15.680 So you can see
NOTE Confidence: 0.96860045
00:56:16.460 --> 00:56:17.839 the wall of the artery.
NOTE Confidence: 0.96860045
00:56:17.900 --> 00:56:19.359 You could see that precordial
NOTE Confidence: 0.96860045
00:56:19.420 --> 00:56:20.460 fat. And I always remark
NOTE Confidence: 0.96860045
00:56:20.460 --> 00:56:21.260 when I'm doing it that
NOTE Confidence: 0.96860045
00:56:21.260 --> 00:56:22.535 it feels like I'm taking
NOTE Confidence: 0.96860045
00:56:22.535 --> 00:56:23.815 monstrous bites. But if you
NOTE Confidence: 0.96860045
00:56:23.815 --> 00:56:25.495 see how minuscule this needle
NOTE Confidence: 0.96860045
00:56:25.495 --> 00:56:27.495 is, they're actually very fine
NOTE Confidence: 0.96860045
00:56:27.495 --> 00:56:28.614 bites, and you can even
NOTE Confidence: 0.96860045
00:56:28.614 --> 00:56:29.915 see you'll see, I think
NOTE Confidence: 0.9894559

00:56:30.535 --> 00:56:31.655 I believe at the end
NOTE Confidence: 0.9894559

00:56:31.655 --> 00:56:32.614 of this no. I don't
NOTE Confidence: 0.9894559

00:56:32.614 --> 00:56:33.495 think so. I think I
NOTE Confidence: 0.9894559

00:56:33.495 --> 00:56:34.614 edited it out. But when
NOTE Confidence: 0.9894559

00:56:34.614 --> 00:56:35.735 you watch this plump up,
NOTE Confidence: 0.9894559

00:56:35.735 --> 00:56:37.239 it's always such nice small
NOTE Confidence: 0.9894559

00:56:37.239 --> 00:56:38.360 bites that the hood of
NOTE Confidence: 0.9894559

00:56:38.360 --> 00:56:39.800 the mammary really, like, plumps
NOTE Confidence: 0.9894559

00:56:39.800 --> 00:56:40.920 up, and you can see
NOTE Confidence: 0.9894559

00:56:40.920 --> 00:56:41.980 it looks very nice.
NOTE Confidence: 0.98862606

00:56:42.520 --> 00:56:43.480 So this is just sort
NOTE Confidence: 0.98862606

00:56:43.480 --> 00:56:45.000 of the technique we use
NOTE Confidence: 0.98862606

00:56:45.000 --> 00:56:45.660 to do it.
NOTE Confidence: 0.988449

00:56:46.520 --> 00:56:47.980 I use a locking suture
NOTE Confidence: 0.79943126

00:56:48.440 --> 00:56:49.184 in the middle of each
NOTE Confidence: 0.79943126

00:56:49.184 --> 00:56:49.256 side, to help maintain the

NOTE Confidence: 0.79943126
00:56:49.256 --> 00:56:49.316 tension because that's one thing
NOTE Confidence: 0.79943126
00:56:49.316 --> 00:56:49.376 that we do lack when
NOTE Confidence: 0.79943126
00:56:49.376 --> 00:56:49.900 you do it
NOTE Confidence: 0.7142808
00:56:50.600 --> 00:56:51.100 robotically.
NOTE Confidence: 0.8885357
00:56:54.735 --> 00:56:55.695 Robotically is you don't have
NOTE Confidence: 0.8885357
00:56:55.695 --> 00:56:57.295 anybody following your suture, so
NOTE Confidence: 0.8885357
00:56:57.295 --> 00:56:58.655 it's hard to harder to
NOTE Confidence: 0.8885357
00:56:58.655 --> 00:56:59.555 maintain tension.
NOTE Confidence: 0.96909016
00:57:11.219 --> 00:57:12.019 And then that's what it
NOTE Confidence: 0.96909016
00:57:12.019 --> 00:57:12.900 looks like when it's all
NOTE Confidence: 0.96909016
00:57:12.900 --> 00:57:14.279 done. Just tie the suture,
NOTE Confidence: 0.96201646
00:57:15.380 --> 00:57:16.500 and then we use the
NOTE Confidence: 0.96201646
00:57:16.660 --> 00:57:18.099 this endo balloon device, which
NOTE Confidence: 0.96201646
00:57:18.099 --> 00:57:19.220 goes up into the aorta
NOTE Confidence: 0.96201646
00:57:19.220 --> 00:57:20.339 and includes the aorta. So
NOTE Confidence: 0.96201646

00:57:20.339 --> 00:57:21.555 we just take the saline
NOTE Confidence: 0.96201646

00:57:21.555 --> 00:57:22.535 out of the balloon,
NOTE Confidence: 0.97261286

00:57:22.915 --> 00:57:24.195 reperfuse the heart, and the
NOTE Confidence: 0.97261286

00:57:24.195 --> 00:57:25.395 heart starts beating at the
NOTE Confidence: 0.97261286

00:57:25.395 --> 00:57:26.214 end of the case.
NOTE Confidence: 0.9882178

00:57:31.555 --> 00:57:32.275 And this is what it
NOTE Confidence: 0.9882178

00:57:32.275 --> 00:57:33.570 looks like. So this is
NOTE Confidence: 0.9882178

00:57:33.570 --> 00:57:34.370 this is what it looks
NOTE Confidence: 0.9882178

00:57:34.370 --> 00:57:35.730 like. And pretty much through
NOTE Confidence: 0.9882178

00:57:35.730 --> 00:57:37.110 this approach, we can do
NOTE Confidence: 0.9392909

00:57:37.410 --> 00:57:39.010 any any left sided graphs
NOTE Confidence: 0.9392909

00:57:39.010 --> 00:57:39.970 for the most part. I
NOTE Confidence: 0.9392909

00:57:39.970 --> 00:57:41.410 think they're very approachable through
NOTE Confidence: 0.9392909

00:57:41.410 --> 00:57:42.070 this side.
NOTE Confidence: 0.98808914

00:57:43.490 --> 00:57:44.530 And it's it's a nice
NOTE Confidence: 0.98808914

00:57:44.530 --> 00:57:46.225 option for patients. Not every

NOTE Confidence: 0.98808914
00:57:46.225 --> 00:57:47.765 patient can have this surgery.
NOTE Confidence: 0.98808914
00:57:47.825 --> 00:57:48.565 Some patients,
NOTE Confidence: 0.9940523
00:57:48.945 --> 00:57:49.825 you can't really have a
NOTE Confidence: 0.9940523
00:57:49.825 --> 00:57:51.605 diseased aorta. You can't have
NOTE Confidence: 0.9641761
00:57:51.905 --> 00:57:53.425 aneurysm in your aorta. You
NOTE Confidence: 0.9641761
00:57:53.425 --> 00:57:54.865 can't really you can have
NOTE Confidence: 0.9641761
00:57:54.865 --> 00:57:56.645 mild AI. We have workarounds.
NOTE Confidence: 0.9641761
00:57:56.785 --> 00:57:58.005 We can do a retrograde
NOTE Confidence: 0.9641761
00:57:58.225 --> 00:57:59.825 cannula through the right IJ,
NOTE Confidence: 0.9641761
00:57:59.825 --> 00:58:00.660 which will allow us to
NOTE Confidence: 0.9641761
00:58:00.660 --> 00:58:02.420 get retrograde cardioplegia to arrest
NOTE Confidence: 0.9641761
00:58:02.420 --> 00:58:03.299 the heart, which is actually
NOTE Confidence: 0.9641761
00:58:03.299 --> 00:58:04.420 what we did yesterday for
NOTE Confidence: 0.9641761
00:58:04.420 --> 00:58:06.200 this patient who has osteogenesis
NOTE Confidence: 0.99906796
00:58:06.579 --> 00:58:07.079 imperfecta.
NOTE Confidence: 0.8713863

00:58:07.859 --> 00:58:08.359 So,
NOTE Confidence: 0.999063

00:58:09.380 --> 00:58:11.079 there's there are some constraints
NOTE Confidence: 0.999063

00:58:11.220 --> 00:58:12.839 over who can have this
NOTE Confidence: 0.95973366

00:58:13.535 --> 00:58:15.215 TCAB surgery as it stands
NOTE Confidence: 0.95973366

00:58:15.215 --> 00:58:16.275 right now, but
NOTE Confidence: 0.9954584

00:58:17.375 --> 00:58:18.835 I think it's it's relatively
NOTE Confidence: 0.9954584

00:58:18.975 --> 00:58:20.495 broadly applicable to people. You
NOTE Confidence: 0.9954584

00:58:20.495 --> 00:58:22.115 can't have severe peripheral vascular
NOTE Confidence: 0.9954584

00:58:22.175 --> 00:58:23.375 disease because we have to
NOTE Confidence: 0.9954584

00:58:23.375 --> 00:58:25.475 cannulate your peripheral arteries.
NOTE Confidence: 0.97899497

00:58:26.090 --> 00:58:27.690 You wanna have relatively preserved
NOTE Confidence: 0.97899497

00:58:27.690 --> 00:58:29.210 ejection fraction because we're gonna
NOTE Confidence: 0.97899497

00:58:29.210 --> 00:58:30.810 arrest your heart. That being
NOTE Confidence: 0.97899497

00:58:30.810 --> 00:58:31.850 said, for the people who
NOTE Confidence: 0.97899497

00:58:31.850 --> 00:58:33.290 can't have a TCAB, a
NOTE Confidence: 0.97899497

00:58:33.290 --> 00:58:34.250 mid cab is still a

NOTE Confidence: 0.97899497
00:58:34.250 --> 00:58:35.610 really great option. It's a
NOTE Confidence: 0.97899497
00:58:35.610 --> 00:58:37.290 beating heart surgery. It reduces
NOTE Confidence: 0.97899497
00:58:37.290 --> 00:58:38.810 your risk of stroke. It's
NOTE Confidence: 0.97899497
00:58:38.810 --> 00:58:40.385 for people who have, you
NOTE Confidence: 0.97899497
00:58:40.385 --> 00:58:41.744 know, people who have really
NOTE Confidence: 0.97899497
00:58:41.744 --> 00:58:43.605 severely reduced ejection fractions
NOTE Confidence: 0.9882662
00:58:43.605 --> 00:58:44.865 can do very well with
NOTE Confidence: 0.9882662
00:58:44.865 --> 00:58:45.984 it because we're not arresting
NOTE Confidence: 0.9882662
00:58:45.984 --> 00:58:47.025 the heart. We're not really
NOTE Confidence: 0.9882662
00:58:47.025 --> 00:58:48.305 manipulating the heart very much.
NOTE Confidence: 0.9882662
00:58:48.305 --> 00:58:49.505 We're not compressing the heart
NOTE Confidence: 0.9882662
00:58:49.505 --> 00:58:50.545 too much. So it's a
NOTE Confidence: 0.9882662
00:58:50.545 --> 00:58:51.605 really great option.
NOTE Confidence: 0.9944224
00:58:53.770 --> 00:58:55.049 And then this is sort
NOTE Confidence: 0.9944224
00:58:55.049 --> 00:58:55.770 of what it looks like
NOTE Confidence: 0.9944224

00:58:55.770 --> 00:58:57.210 for a robotic aortic valve
NOTE Confidence: 0.9944224

00:58:57.210 --> 00:58:58.410 setup, and we're gonna do
NOTE Confidence: 0.9944224

00:58:58.410 --> 00:59:00.329 our first robotic aortic valve
NOTE Confidence: 0.9944224

00:59:00.329 --> 00:59:01.309 case tomorrow
NOTE Confidence: 0.9928249

00:59:02.010 --> 00:59:03.230 here. And,
NOTE Confidence: 0.9566135

00:59:03.690 --> 00:59:04.730 like Mark said, we've done
NOTE Confidence: 0.9566135

00:59:04.809 --> 00:59:06.329 this the mitral setup is
NOTE Confidence: 0.9566135

00:59:06.329 --> 00:59:07.609 very similar to this. And
NOTE Confidence: 0.9566135

00:59:07.609 --> 00:59:08.565 like Mark said, I we've
NOTE Confidence: 0.9566135

00:59:08.565 --> 00:59:09.625 done six
NOTE Confidence: 0.9310703

00:59:10.244 --> 00:59:12.484 robotic mitrals, I think. I
NOTE Confidence: 0.9310703

00:59:12.484 --> 00:59:14.085 believe six robotic mitrals. They've
NOTE Confidence: 0.9310703

00:59:14.085 --> 00:59:15.305 all gone very well.
NOTE Confidence: 0.9762991

00:59:16.565 --> 00:59:17.765 We the team here has
NOTE Confidence: 0.9762991

00:59:17.765 --> 00:59:18.964 not really forgotten how to
NOTE Confidence: 0.9762991

00:59:18.964 --> 00:59:20.165 do robotics, so it's been

NOTE Confidence: 0.9762991
00:59:20.165 --> 00:59:21.925 really incredible working with everybody
NOTE Confidence: 0.9762991
00:59:21.925 --> 00:59:22.980 and working with the team
NOTE Confidence: 0.9762991
00:59:22.980 --> 00:59:24.020 that really knows what they're
NOTE Confidence: 0.9762991
00:59:24.020 --> 00:59:25.220 doing. So this is what
NOTE Confidence: 0.9762991
00:59:25.220 --> 00:59:26.180 it looks like. You can
NOTE Confidence: 0.9762991
00:59:26.260 --> 00:59:28.420 basically, for the incision for
NOTE Confidence: 0.9762991
00:59:28.420 --> 00:59:29.160 a robotic,
NOTE Confidence: 0.94549274
00:59:29.700 --> 00:59:31.560 aortic valve or robotic mitral,
NOTE Confidence: 0.9659875
00:59:31.860 --> 00:59:33.000 small mini thoracotomy,
NOTE Confidence: 0.9920893
00:59:34.355 --> 00:59:35.815 third intercostal space,
NOTE Confidence: 0.9502015
00:59:36.194 --> 00:59:37.494 the robotic trocars,
NOTE Confidence: 0.970252
00:59:37.795 --> 00:59:38.515 and then I have a
NOTE Confidence: 0.970252
00:59:38.515 --> 00:59:40.115 little video. So I have
NOTE Confidence: 0.970252
00:59:40.275 --> 00:59:41.414 this is these are just
NOTE Confidence: 0.970252
00:59:41.555 --> 00:59:42.994 kinda tiny little shorts because
NOTE Confidence: 0.970252

00:59:42.994 --> 00:59:43.954 it's hard to show you
NOTE Confidence: 0.970252

00:59:43.954 --> 00:59:44.615 an entire,
NOTE Confidence: 0.98203707

00:59:45.954 --> 00:59:47.380 aortic valve surgery because you
NOTE Confidence: 0.98203707

00:59:47.380 --> 00:59:48.580 end up looking through a
NOTE Confidence: 0.98203707

00:59:48.580 --> 00:59:49.700 lot of sutures and all
NOTE Confidence: 0.98203707

00:59:49.700 --> 00:59:51.300 this stuff. But this is
NOTE Confidence: 0.98203707

00:59:51.300 --> 00:59:51.780 a,
NOTE Confidence: 0.94941175

00:59:52.180 --> 00:59:52.680 fibroblastoma
NOTE Confidence: 0.99868625

00:59:53.060 --> 00:59:54.340 that I resected, and that's
NOTE Confidence: 0.99868625

00:59:54.340 --> 00:59:55.300 the case that we're actually
NOTE Confidence: 0.99868625

00:59:55.300 --> 00:59:56.600 gonna start with tomorrow.
NOTE Confidence: 0.99359417

00:59:56.980 --> 00:59:57.860 So this is a case
NOTE Confidence: 0.99359417

00:59:57.860 --> 00:59:58.740 that I've done in the
NOTE Confidence: 0.99359417

00:59:58.740 --> 00:59:59.240 past.
NOTE Confidence: 0.9886053

00:59:59.825 --> 01:00:00.385 So you can see the
NOTE Confidence: 0.9886053

01:00:00.385 --> 01:00:01.505 aorta's open. You get a

NOTE Confidence: 0.9886053
01:00:01.505 --> 01:00:02.885 great view of the aorta
NOTE Confidence: 0.9886053
01:00:02.945 --> 01:00:04.245 and the aortic valve.
NOTE Confidence: 0.9716069
01:00:04.705 --> 01:00:05.765 There's our fibroblastoma.
NOTE Confidence: 0.96832454
01:00:07.985 --> 01:00:09.425 And just use these tiny
NOTE Confidence: 0.96832454
01:00:09.425 --> 01:00:10.865 sharp little pot scissors to
NOTE Confidence: 0.96832454
01:00:10.865 --> 01:00:12.240 go in. So you can
NOTE Confidence: 0.96832454
01:00:12.240 --> 01:00:13.600 zoom all the way in
NOTE Confidence: 0.96832454
01:00:13.600 --> 01:00:15.040 there. So another thing that
NOTE Confidence: 0.96832454
01:00:15.040 --> 01:00:16.240 I think we're gonna eventually
NOTE Confidence: 0.96832454
01:00:16.240 --> 01:00:17.440 try and work towards is
NOTE Confidence: 0.96832454
01:00:17.440 --> 01:00:17.760 doing,
NOTE Confidence: 0.99822795
01:00:18.400 --> 01:00:19.440 once we kind of get
NOTE Confidence: 0.99822795
01:00:19.440 --> 01:00:21.540 a robust aortic valve program,
NOTE Confidence: 0.99822795
01:00:21.760 --> 01:00:22.720 we're gonna try and work
NOTE Confidence: 0.99822795
01:00:22.720 --> 01:00:24.420 towards probably doing robotic
NOTE Confidence: 0.9792142

01:00:25.305 --> 01:00:25.805 septomyectomies
NOTE Confidence: 0.9652276

01:00:26.265 --> 01:00:27.145 as well because you can
NOTE Confidence: 0.9652276

01:00:27.145 --> 01:00:27.944 see you can just zoom
NOTE Confidence: 0.9652276

01:00:27.944 --> 01:00:28.984 right in there. And then
NOTE Confidence: 0.9652276

01:00:28.984 --> 01:00:30.125 this is what a,
NOTE Confidence: 0.98954886

01:00:30.744 --> 01:00:31.385 this is what it would
NOTE Confidence: 0.98954886

01:00:31.385 --> 01:00:32.345 look like if the valve
NOTE Confidence: 0.98954886

01:00:32.345 --> 01:00:33.865 was in there instead. So
NOTE Confidence: 0.98954886

01:00:33.865 --> 01:00:34.585 this is a valve that
NOTE Confidence: 0.98954886

01:00:34.585 --> 01:00:35.704 we've already put in. We've
NOTE Confidence: 0.98954886

01:00:35.704 --> 01:00:36.905 tied down a handful of
NOTE Confidence: 0.98954886

01:00:36.905 --> 01:00:38.265 the sutures along the right
NOTE Confidence: 0.98954886

01:00:38.265 --> 01:00:39.260 and the left,
NOTE Confidence: 0.9829982

01:00:39.560 --> 01:00:40.280 and there's just sort of
NOTE Confidence: 0.9829982

01:00:40.280 --> 01:00:42.620 the sutures along the noncoronary,
NOTE Confidence: 0.9618734

01:00:44.280 --> 01:00:45.740 that are left. But

NOTE Confidence: 0.9567835
01:00:46.040 --> 01:00:47.160 it's also a very nice
NOTE Confidence: 0.9567835
01:00:47.160 --> 01:00:48.860 approach for an aortic valve.
NOTE Confidence: 0.9975552
01:00:49.720 --> 01:00:50.780 That's all I have.
NOTE Confidence: 0.94075996
01:01:02.705 --> 01:01:03.685 Oops. Oh.
NOTE Confidence: 0.93353903
01:01:07.089 --> 01:01:07.730 Well, great.
NOTE Confidence: 0.99022454
01:01:08.130 --> 01:01:09.410 We've we've kept you here
NOTE Confidence: 0.99022454
01:01:09.410 --> 01:01:10.609 really right at the hour.
NOTE Confidence: 0.99022454
01:01:11.010 --> 01:01:12.290 Thank you very much for
NOTE Confidence: 0.99022454
01:01:12.290 --> 01:01:13.910 giving us the audience today.
NOTE Confidence: 0.9936924
01:01:14.369 --> 01:01:15.490 Happy to take any questions
NOTE Confidence: 0.9936924
01:01:15.490 --> 01:01:16.290 if we have a minute
NOTE Confidence: 0.9936924
01:01:16.290 --> 01:01:17.829 or two, but, thanks again.
NOTE Confidence: 0.61577266
01:01:19.555 --> 01:01:20.835 Thanks, Mark. It's fantastic. I
NOTE Confidence: 0.61577266
01:01:20.835 --> 01:01:21.335 work.
NOTE Confidence: 0.5413907
01:01:22.275 --> 01:01:23.255 Please help everyone,
NOTE Confidence: 0.52462304

01:01:24.035 --> 01:01:25.015 we'll I'll be again.
NOTE Confidence: 0.5629541

01:01:27.595 --> 01:01:28.095 So
NOTE Confidence: 0.87984335

01:01:30.675 --> 01:01:32.195 I think we, and maybe
NOTE Confidence: 0.87984335

01:01:32.195 --> 01:01:33.575 one or two questions. So
NOTE Confidence: 0.7917296

01:01:34.089 --> 01:01:34.910 particularly for Chelsea,
NOTE Confidence: 0.7580708

01:01:35.849 --> 01:01:37.290 Bill Chelsea is the help
NOTE Confidence: 0.7580708

01:01:37.290 --> 01:01:38.970 of Mark. So can you
NOTE Confidence: 0.7580708

01:01:38.970 --> 01:01:41.050 help guide our cardiology team
NOTE Confidence: 0.7580708

01:01:41.050 --> 01:01:42.910 in terms of, hybrid fluasmodation?
NOTE Confidence: 0.8474098

01:01:43.849 --> 01:01:44.809 When is the right what
NOTE Confidence: 0.8474098

01:01:44.809 --> 01:01:45.950 is the right patient
NOTE Confidence: 0.18579248

01:01:46.250 --> 01:01:46.750 refer
NOTE Confidence: 0.954216

01:01:47.405 --> 01:01:47.805 for,
NOTE Confidence: 0.94520694

01:01:48.445 --> 01:01:48.765 you know, for,
NOTE Confidence: 0.9080311

01:01:50.525 --> 01:01:52.224 you know, hybrid approach?
NOTE Confidence: 0.8665409

01:01:52.525 --> 01:01:53.484 And have you started doing

NOTE Confidence: 0.8665409
01:01:53.484 --> 01:01:54.525 that when you when you
NOTE Confidence: 0.8665409
01:01:54.525 --> 01:01:55.025 envisioned,
NOTE Confidence: 0.9488663
01:01:55.885 --> 01:01:57.724 start there? I can maybe
NOTE Confidence: 0.9488663
01:01:57.724 --> 01:01:58.685 take that first. I think,
NOTE Confidence: 0.9488663
01:01:59.005 --> 01:01:59.885 two weeks ago, we had
NOTE Confidence: 0.9488663
01:01:59.885 --> 01:02:00.930 our first chip meeting,
NOTE Confidence: 0.9900163
01:02:01.329 --> 01:02:02.290 which is really, I think,
NOTE Confidence: 0.9900163
01:02:02.290 --> 01:02:03.490 a key component of that
NOTE Confidence: 0.9900163
01:02:03.490 --> 01:02:04.869 is working with our interventional
NOTE Confidence: 0.9900163
01:02:04.930 --> 01:02:05.430 cardiology
NOTE Confidence: 0.95710146
01:02:05.809 --> 01:02:07.349 colleagues to have those discussions,
NOTE Confidence: 0.99916804
01:02:08.210 --> 01:02:09.010 because I think there are
NOTE Confidence: 0.99916804
01:02:09.010 --> 01:02:10.069 some patients that
NOTE Confidence: 0.9674342
01:02:10.450 --> 01:02:11.809 clearly are gonna do better
NOTE Confidence: 0.9674342
01:02:11.809 --> 01:02:12.550 with multi
NOTE Confidence: 0.96429473

01:02:12.930 --> 01:02:15.030 grafting, you know, standard sternotomy

NOTE Confidence: 0.96429473

01:02:15.089 --> 01:02:16.115 and all that. There are

NOTE Confidence: 0.96429473

01:02:16.115 --> 01:02:17.234 clearly some patients that are

NOTE Confidence: 0.96429473

01:02:17.234 --> 01:02:18.434 better with PCI and should

NOTE Confidence: 0.96429473

01:02:18.434 --> 01:02:19.635 not have surgery. But there's

NOTE Confidence: 0.96429473

01:02:19.635 --> 01:02:20.595 a mix of patients in

NOTE Confidence: 0.96429473

01:02:20.595 --> 01:02:22.674 there that we all recognize

NOTE Confidence: 0.96429473

01:02:22.674 --> 01:02:24.035 as a cardiology and cardiac

NOTE Confidence: 0.96429473

01:02:24.035 --> 01:02:25.474 surgery community that the limits

NOTE Confidence: 0.96429473

01:02:25.474 --> 01:02:26.214 of the LAD,

NOTE Confidence: 0.99131966

01:02:26.755 --> 01:02:28.355 especially in a diabetic, has

NOTE Confidence: 0.99131966

01:02:28.355 --> 01:02:30.615 value from a survival perspective.

NOTE Confidence: 0.9992488

01:02:30.994 --> 01:02:31.494 But

NOTE Confidence: 0.93110895

01:02:31.900 --> 01:02:33.260 we don't have any good

NOTE Confidence: 0.93110895

01:02:33.260 --> 01:02:34.700 trials or evidence in cardiac

NOTE Confidence: 0.93110895

01:02:34.700 --> 01:02:36.300 surgery that grafting, a surgical

NOTE Confidence: 0.93110895
01:02:36.300 --> 01:02:38.320 grafting in RCA improves survival.
NOTE Confidence: 0.9882878
01:02:38.700 --> 01:02:40.460 So if our cardiology colleagues
NOTE Confidence: 0.9882878
01:02:40.460 --> 01:02:41.600 can get a good stent
NOTE Confidence: 0.9882878
01:02:41.740 --> 01:02:42.940 on those vessels, they may
NOTE Confidence: 0.9882878
01:02:42.940 --> 01:02:44.154 be a good candidate for
NOTE Confidence: 0.9882878
01:02:44.154 --> 01:02:45.595 for hybrid. So I think
NOTE Confidence: 0.9882878
01:02:45.595 --> 01:02:46.654 they have to be individualized.
NOTE Confidence: 0.98624194
01:02:47.115 --> 01:02:48.394 They are discussions that need
NOTE Confidence: 0.98624194
01:02:48.394 --> 01:02:49.515 to happen. I think we
NOTE Confidence: 0.98624194
01:02:49.515 --> 01:02:50.634 have a sense sometimes of
NOTE Confidence: 0.98624194
01:02:50.634 --> 01:02:52.075 what our cardiology colleagues can
NOTE Confidence: 0.98624194
01:02:52.075 --> 01:02:53.755 do, but I don't always
NOTE Confidence: 0.98624194
01:02:53.755 --> 01:02:54.954 know. So it's really important
NOTE Confidence: 0.98624194
01:02:54.954 --> 01:02:56.174 to have those conversations,
NOTE Confidence: 0.99779195
01:02:56.634 --> 01:02:57.934 and and get their input.
NOTE Confidence: 0.95995486

01:03:12.010 --> 01:03:12.970 And so I think that's
NOTE Confidence: 0.95995486

01:03:12.970 --> 01:03:14.430 the key. Right? It's, like,
NOTE Confidence: 0.95995486

01:03:14.694 --> 01:03:15.815 trying to you have to
NOTE Confidence: 0.95995486

01:03:15.815 --> 01:03:16.635 fit you
NOTE Confidence: 0.9639294

01:03:17.655 --> 01:03:19.174 have to offer what's the
NOTE Confidence: 0.9639294

01:03:19.174 --> 01:03:20.615 right operation and the right
NOTE Confidence: 0.9639294

01:03:20.615 --> 01:03:21.115 intervention
NOTE Confidence: 0.9703911

01:03:21.575 --> 01:03:22.934 to the right patient. You
NOTE Confidence: 0.9703911

01:03:22.934 --> 01:03:24.214 know? You can't kind of
NOTE Confidence: 0.9703911

01:03:24.214 --> 01:03:26.135 make everything fit one like,
NOTE Confidence: 0.9703911

01:03:26.135 --> 01:03:27.414 make a patient always fit
NOTE Confidence: 0.9703911

01:03:27.414 --> 01:03:28.775 an operation or an operation
NOTE Confidence: 0.9703911

01:03:28.775 --> 01:03:30.210 always fit a patient. I
NOTE Confidence: 0.9703911

01:03:30.210 --> 01:03:31.590 think that's where these multidisciplinary
NOTE Confidence: 0.98797446

01:03:32.130 --> 01:03:34.369 discussions really come into play.
NOTE Confidence: 0.98797446

01:03:34.369 --> 01:03:35.730 There's gonna be patients that

NOTE Confidence: 0.98797446
01:03:35.730 --> 01:03:36.849 can have you know, we
NOTE Confidence: 0.98797446
01:03:36.849 --> 01:03:38.070 can hopefully do
NOTE Confidence: 0.9072391
01:03:38.450 --> 01:03:39.190 three vessels,
NOTE Confidence: 0.9997254
01:03:39.890 --> 01:03:40.390 all
NOTE Confidence: 0.9994068
01:03:40.690 --> 01:03:41.190 robotic
NOTE Confidence: 0.9374428
01:03:41.490 --> 01:03:42.690 grafting too, and there's gonna
NOTE Confidence: 0.9374428
01:03:42.690 --> 01:03:43.650 be other patients that are
NOTE Confidence: 0.9374428
01:03:43.650 --> 01:03:44.770 not gonna be suitable for
NOTE Confidence: 0.9374428
01:03:44.770 --> 01:03:45.875 that procedure, but they may
NOTE Confidence: 0.9374428
01:03:45.875 --> 01:03:47.234 be a really great candidate
NOTE Confidence: 0.9374428
01:03:47.234 --> 01:03:48.615 for a LIMA to LAD,
NOTE Confidence: 0.9374428
01:03:48.755 --> 01:03:50.755 off pump, feeding, heart, followed
NOTE Confidence: 0.9374428
01:03:50.755 --> 01:03:52.595 by stage PCI. Or they
NOTE Confidence: 0.9374428
01:03:52.595 --> 01:03:54.035 come in and they're a
NOTE Confidence: 0.9374428
01:03:54.035 --> 01:03:55.474 super high risk candidate, but
NOTE Confidence: 0.9374428

01:03:55.474 --> 01:03:56.135 they're having
NOTE Confidence: 0.89051455

01:03:56.755 --> 01:03:57.974 they're having STEMI
NOTE Confidence: 0.96895826

01:03:59.060 --> 01:04:00.260 to their lateral wall, but
NOTE Confidence: 0.96895826

01:04:00.260 --> 01:04:01.940 they have proximal LAD disease
NOTE Confidence: 0.96895826

01:04:01.940 --> 01:04:03.140 that they don't wanna treat
NOTE Confidence: 0.96895826

01:04:03.140 --> 01:04:04.740 right then. Right? Now you
NOTE Confidence: 0.96895826

01:04:04.740 --> 01:04:05.780 have to decide if you
NOTE Confidence: 0.96895826

01:04:05.780 --> 01:04:07.720 wanna wait for that patient
NOTE Confidence: 0.96895826

01:04:07.859 --> 01:04:09.220 to, you know, kind of
NOTE Confidence: 0.96895826

01:04:09.220 --> 01:04:10.500 recover. You're gonna not treat
NOTE Confidence: 0.96895826

01:04:10.500 --> 01:04:11.619 their STEMI because they have
NOTE Confidence: 0.96895826

01:04:11.619 --> 01:04:12.740 LAD disease, or you're gonna
NOTE Confidence: 0.96895826

01:04:12.740 --> 01:04:14.154 stent full things. These are
NOTE Confidence: 0.96895826

01:04:14.154 --> 01:04:15.275 patients that you can stent
NOTE Confidence: 0.96895826

01:04:15.275 --> 01:04:16.335 the culprit lesion,
NOTE Confidence: 0.93941003

01:04:16.795 --> 01:04:17.994 wait four weeks, and we

NOTE Confidence: 0.93941003
01:04:17.994 --> 01:04:18.795 can bring them back, and
NOTE Confidence: 0.93941003
01:04:18.795 --> 01:04:19.994 we can give them surgical
NOTE Confidence: 0.93941003
01:04:19.994 --> 01:04:21.515 LIMIT to LAV without having
NOTE Confidence: 0.93941003
01:04:21.515 --> 01:04:22.634 to do a sternotomy for
NOTE Confidence: 0.93941003
01:04:22.634 --> 01:04:23.355 it. And I think it
NOTE Confidence: 0.93941003
01:04:23.355 --> 01:04:24.875 opens just another it's just
NOTE Confidence: 0.93941003
01:04:24.875 --> 01:04:26.335 another tool in the toolbox.
NOTE Confidence: 0.93941003
01:04:26.394 --> 01:04:27.194 And so you just have
NOTE Confidence: 0.93941003
01:04:27.194 --> 01:04:27.835 to figure out who to
NOTE Confidence: 0.93941003
01:04:27.835 --> 01:04:28.335 apply.
NOTE Confidence: 0.7665074
01:04:29.049 --> 01:04:30.250 Wonderful. I mean, I think
NOTE Confidence: 0.7665074
01:04:30.250 --> 01:04:31.470 the tool we have now,
NOTE Confidence: 0.9437877
01:04:32.410 --> 01:04:32.910 are
NOTE Confidence: 0.6160542
01:04:33.930 --> 01:04:35.369 it's up to thirty twenty
NOTE Confidence: 0.6160542
01:04:35.369 --> 01:04:36.250 years ago when hybrid, we
NOTE Confidence: 0.6160542

01:04:36.250 --> 01:04:37.390 have to get you to.
NOTE Confidence: 0.6924406

01:04:38.490 --> 01:04:39.950 Any other parts on that?
NOTE Confidence: 0.6918074

01:04:40.650 --> 01:04:41.309 I'm sure.
NOTE Confidence: 0.706534

01:04:41.755 --> 01:04:42.355 Think I could have done
NOTE Confidence: 0.706534

01:04:42.355 --> 01:04:43.375 a little bit of picture.
NOTE Confidence: 0.9094033

01:04:43.835 --> 01:04:45.195 So thank you both. This
NOTE Confidence: 0.9094033

01:04:45.195 --> 01:04:46.395 has been wonderful and a
NOTE Confidence: 0.9094033

01:04:46.395 --> 01:04:47.435 breath of fresh air working
NOTE Confidence: 0.9094033

01:04:47.435 --> 01:04:48.555 with you, Mark, and and
NOTE Confidence: 0.9094033

01:04:48.555 --> 01:04:49.994 and, looking forward to working
NOTE Confidence: 0.9094033

01:04:49.994 --> 01:04:50.875 with you as well.
NOTE Confidence: 0.9906972

01:04:51.355 --> 01:04:52.555 As we talk about training
NOTE Confidence: 0.9906972

01:04:52.555 --> 01:04:54.315 environments, we've had just a
NOTE Confidence: 0.9906972

01:04:54.315 --> 01:04:55.994 really great collaboration over the
NOTE Confidence: 0.9906972

01:04:55.994 --> 01:04:58.090 course of decades between cardiology
NOTE Confidence: 0.9906972

01:04:58.230 --> 01:04:59.210 and and surgery,

NOTE Confidence: 0.95914876
01:04:59.590 --> 01:05:00.710 with the ISECS program and
NOTE Confidence: 0.95914876
01:05:00.710 --> 01:05:01.750 other opportunities. And I was
NOTE Confidence: 0.95914876
01:05:01.750 --> 01:05:02.470 just wondering if you could
NOTE Confidence: 0.95914876
01:05:02.470 --> 01:05:03.750 speak to what your vision
NOTE Confidence: 0.95914876
01:05:03.750 --> 01:05:04.870 is in those spaces. There
NOTE Confidence: 0.95914876
01:05:04.870 --> 01:05:06.230 seems like there's just a
NOTE Confidence: 0.95914876
01:05:06.230 --> 01:05:07.850 a myriad of great opportunities
NOTE Confidence: 0.95914876
01:05:07.990 --> 01:05:10.070 for both, cardiology and and
NOTE Confidence: 0.95914876
01:05:10.070 --> 01:05:11.934 CT surgery trainees to get
NOTE Confidence: 0.95914876
01:05:11.934 --> 01:05:13.375 involved with the hybrid procedures
NOTE Confidence: 0.95914876
01:05:13.375 --> 01:05:14.015 and different,
NOTE Confidence: 0.91543055
01:05:14.415 --> 01:05:16.035 different, set care settings.
NOTE Confidence: 0.97522837
01:05:17.135 --> 01:05:18.095 Yeah. I I would say
NOTE Confidence: 0.97522837
01:05:18.095 --> 01:05:19.535 the training program is one
NOTE Confidence: 0.97522837
01:05:19.535 --> 01:05:20.575 of the major reasons that
NOTE Confidence: 0.97522837

01:05:20.575 --> 01:05:21.855 I came to Yale. I
NOTE Confidence: 0.97522837

01:05:21.855 --> 01:05:23.135 I I love the I
NOTE Confidence: 0.97522837

01:05:23.135 --> 01:05:25.214 six residency program, the people
NOTE Confidence: 0.97522837

01:05:25.214 --> 01:05:26.275 that are in it.
NOTE Confidence: 0.97002107

01:05:26.880 --> 01:05:27.599 And I think we have
NOTE Confidence: 0.97002107

01:05:27.599 --> 01:05:29.380 the op opportunity to train
NOTE Confidence: 0.99921405

01:05:29.760 --> 01:05:31.779 amazing surgeons that are gonna
NOTE Confidence: 0.9982374

01:05:32.079 --> 01:05:33.059 go in the future.
NOTE Confidence: 0.9902103

01:05:33.680 --> 01:05:35.299 The the interplay of cardiology
NOTE Confidence: 0.9902103

01:05:35.440 --> 01:05:36.559 is vital to that. Right?
NOTE Confidence: 0.9902103

01:05:36.559 --> 01:05:37.680 We see it in structural
NOTE Confidence: 0.9902103

01:05:37.680 --> 01:05:39.039 heart. We see it in
NOTE Confidence: 0.9902103

01:05:39.039 --> 01:05:39.539 transplantation.
NOTE Confidence: 0.96574044

01:05:40.079 --> 01:05:40.960 I mean, those were the
NOTE Confidence: 0.96574044

01:05:40.960 --> 01:05:42.160 original heart teams, if you
NOTE Confidence: 0.96574044

01:05:42.160 --> 01:05:43.595 will, especially on the transplant

NOTE Confidence: 0.96574044

01:05:43.735 --> 01:05:45.335 side then in terms of

NOTE Confidence: 0.96574044

01:05:45.335 --> 01:05:46.775 structural heart. So it's very

NOTE Confidence: 0.96574044

01:05:46.775 --> 01:05:48.315 important that our surgical residents

NOTE Confidence: 0.96574044

01:05:48.455 --> 01:05:50.375 get, that expertise and get

NOTE Confidence: 0.96574044

01:05:50.375 --> 01:05:51.735 that experience. And it's important

NOTE Confidence: 0.96574044

01:05:51.735 --> 01:05:53.335 also whenever we can to

NOTE Confidence: 0.96574044

01:05:53.335 --> 01:05:54.295 have some of the cardiology,

NOTE Confidence: 0.96574044

01:05:54.480 --> 01:05:56.160 of the cardiology, trainees work

NOTE Confidence: 0.96574044

01:05:56.160 --> 01:05:57.280 with us whenever they wanna

NOTE Confidence: 0.96574044

01:05:57.280 --> 01:05:58.320 come and work with us.

NOTE Confidence: 0.96574044

01:05:58.320 --> 01:06:00.020 So, I think for us,

NOTE Confidence: 0.96661377

01:06:00.640 --> 01:06:02.160 the the challenging part is

NOTE Confidence: 0.96661377

01:06:02.160 --> 01:06:03.619 the environment that we're in.

NOTE Confidence: 0.96661377

01:06:03.760 --> 01:06:05.040 When I when I trained,

NOTE Confidence: 0.96661377

01:06:05.040 --> 01:06:05.840 there was a lot of

NOTE Confidence: 0.96661377

01:06:05.840 --> 01:06:07.680 triple bypass, aortic valve triple
NOTE Confidence: 0.96661377

01:06:07.680 --> 01:06:08.180 bypass.
NOTE Confidence: 0.97351146

01:06:08.495 --> 01:06:09.775 These poor residents are not
NOTE Confidence: 0.97351146

01:06:09.775 --> 01:06:10.655 exposed to as much of
NOTE Confidence: 0.97351146

01:06:10.655 --> 01:06:11.695 that. Like, they're coming in
NOTE Confidence: 0.97351146

01:06:11.695 --> 01:06:13.775 sometimes double valve redo, aortic
NOTE Confidence: 0.97351146

01:06:13.775 --> 01:06:14.675 arch redo,
NOTE Confidence: 0.9629108

01:06:15.135 --> 01:06:16.735 complex heart transplant on an
NOTE Confidence: 0.9629108

01:06:16.735 --> 01:06:18.815 LVAD. And so giving them,
NOTE Confidence: 0.984073

01:06:19.135 --> 01:06:20.415 things that within a course
NOTE Confidence: 0.984073

01:06:20.415 --> 01:06:21.295 of a case that they
NOTE Confidence: 0.984073

01:06:21.295 --> 01:06:22.255 can do is sometimes a
NOTE Confidence: 0.984073

01:06:22.255 --> 01:06:23.400 little bit of a challenge.
NOTE Confidence: 0.984073

01:06:23.400 --> 01:06:24.680 But in cardiac surgery, a
NOTE Confidence: 0.984073

01:06:24.680 --> 01:06:25.559 lot of those things are
NOTE Confidence: 0.984073

01:06:25.559 --> 01:06:26.059 divided

NOTE Confidence: 0.9628606
01:06:26.440 --> 01:06:27.240 into a lot of so
NOTE Confidence: 0.9628606
01:06:27.240 --> 01:06:27.960 you you don't need to
NOTE Confidence: 0.9628606
01:06:27.960 --> 01:06:28.680 do the whole case, but
NOTE Confidence: 0.9628606
01:06:28.680 --> 01:06:29.559 maybe this case, you do
NOTE Confidence: 0.9628606
01:06:29.559 --> 01:06:30.920 the sternotomy, you harvest the
NOTE Confidence: 0.9628606
01:06:30.920 --> 01:06:31.980 mammary, you cannulate,
NOTE Confidence: 0.9183867
01:06:32.359 --> 01:06:33.640 maybe here you threw throw
NOTE Confidence: 0.9183867
01:06:33.640 --> 01:06:35.160 a few valve sutures here
NOTE Confidence: 0.9183867
01:06:35.160 --> 01:06:36.525 or there. So that's a
NOTE Confidence: 0.9183867
01:06:36.525 --> 01:06:37.885 challenge, but training in the
NOTE Confidence: 0.9183867
01:06:37.885 --> 01:06:39.885 next generation, it's imperative that
NOTE Confidence: 0.9183867
01:06:39.885 --> 01:06:41.085 we do that. I would
NOTE Confidence: 0.9183867
01:06:41.085 --> 01:06:41.964 tell you that we are
NOTE Confidence: 0.9183867
01:06:41.964 --> 01:06:43.565 doing well. Our our residency
NOTE Confidence: 0.9183867
01:06:43.565 --> 01:06:45.184 program on the last match,
NOTE Confidence: 0.9896178

01:06:45.645 --> 01:06:46.684 by the estimates of the
NOTE Confidence: 0.9896178

01:06:46.684 --> 01:06:48.464 ACGME based on where people
NOTE Confidence: 0.9896178

01:06:48.525 --> 01:06:49.405 ranked and all that, we
NOTE Confidence: 0.9896178

01:06:49.405 --> 01:06:50.520 were fourth in the country.
NOTE Confidence: 0.9896178

01:06:50.600 --> 01:06:52.200 We got, only our top
NOTE Confidence: 0.9896178

01:06:52.200 --> 01:06:53.800 five picks in all training
NOTE Confidence: 0.9896178

01:06:53.800 --> 01:06:55.080 spots that we were looking
NOTE Confidence: 0.9896178

01:06:55.080 --> 01:06:57.000 at, which is remarkably different
NOTE Confidence: 0.9896178

01:06:57.000 --> 01:06:57.800 than I think where we
NOTE Confidence: 0.9896178

01:06:57.800 --> 01:06:58.920 sat a few years ago.
NOTE Confidence: 0.9896178

01:06:58.920 --> 01:06:59.900 So we're on
NOTE Confidence: 0.9756656

01:07:00.200 --> 01:07:01.640 tremendous upswing on that in
NOTE Confidence: 0.9756656

01:07:01.640 --> 01:07:02.380 that regard.
NOTE Confidence: 0.8541763

01:07:03.695 --> 01:07:04.815 Great. Also, like to see
NOTE Confidence: 0.8541763

01:07:04.815 --> 01:07:06.495 us move to have our
NOTE Confidence: 0.8541763

01:07:06.495 --> 01:07:07.555 residents and fellows

NOTE Confidence: 0.91737545
01:07:08.095 --> 01:07:09.775 cross train, as well in
NOTE Confidence: 0.91737545
01:07:09.775 --> 01:07:10.735 not only in the units,
NOTE Confidence: 0.91737545
01:07:10.735 --> 01:07:11.855 but also in the imaging
NOTE Confidence: 0.91737545
01:07:11.855 --> 01:07:13.555 labs and have our cardiac
NOTE Confidence: 0.9868065
01:07:14.175 --> 01:07:15.855 cardiology fellows go into the
NOTE Confidence: 0.9868065
01:07:15.855 --> 01:07:17.055 OR, which I think is,
NOTE Confidence: 0.9963338
01:07:17.540 --> 01:07:18.580 what we haven't done here
NOTE Confidence: 0.9963338
01:07:18.580 --> 01:07:19.880 in a while. So
NOTE Confidence: 0.9923828
01:07:20.660 --> 01:07:21.640 any other questions?
NOTE Confidence: 0.96265507
01:07:23.540 --> 01:07:24.339 If not, I know it's
NOTE Confidence: 0.96265507
01:07:24.339 --> 01:07:25.300 late in the hour. Maybe
NOTE Confidence: 0.96265507
01:07:25.300 --> 01:07:26.440 one last, Stefania.
NOTE Confidence: 0.974635
01:07:32.625 --> 01:07:34.065 Alright. Thank you so much.
NOTE Confidence: 0.974635
01:07:34.225 --> 01:07:35.685 We are for the cardiovascular
NOTE Confidence: 0.93608105
01:07:35.985 --> 01:07:36.805 resource center
NOTE Confidence: 0.9379153

01:07:37.265 --> 01:07:39.045 basic scientist, and it was
NOTE Confidence: 0.9379153

01:07:39.185 --> 01:07:40.385 kinda tough to watch this
NOTE Confidence: 0.9379153

01:07:40.385 --> 01:07:41.765 movie, but it was also
NOTE Confidence: 0.9379153

01:07:41.905 --> 01:07:42.405 illuminating.
NOTE Confidence: 0.88871837

01:07:43.730 --> 01:07:44.470 The precision,
NOTE Confidence: 0.881391

01:07:44.930 --> 01:07:46.630 the Chelsea show is amazing.
NOTE Confidence: 0.881391

01:07:46.849 --> 01:07:48.390 For us, we immediately
NOTE Confidence: 0.9439004

01:07:48.770 --> 01:07:50.549 are thinking about tissue collection,
NOTE Confidence: 0.94913375

01:07:51.410 --> 01:07:53.010 sample, blood, anything that can
NOTE Confidence: 0.94913375

01:07:53.010 --> 01:07:55.109 be potentially harvest for
NOTE Confidence: 0.9309799

01:07:55.775 --> 01:07:56.895 research and,
NOTE Confidence: 0.8780271

01:07:57.375 --> 01:07:59.455 expression of candidate on biological
NOTE Confidence: 0.8780271

01:07:59.455 --> 01:08:00.495 question. So how do you
NOTE Confidence: 0.8780271

01:08:00.495 --> 01:08:01.475 think about that?
NOTE Confidence: 0.9975803

01:08:02.175 --> 01:08:03.375 We would love to partner
NOTE Confidence: 0.9975803

01:08:03.375 --> 01:08:04.575 with you. We have several

NOTE Confidence: 0.9975803

01:08:04.575 --> 01:08:06.015 basic scientists in our group

NOTE Confidence: 0.9975803

01:08:06.015 --> 01:08:06.755 that are taking

NOTE Confidence: 0.95301634

01:08:07.055 --> 01:08:08.915 aortic samples coming in at

NOTE Confidence: 0.95301634

01:08:09.000 --> 01:08:09.800 three in the morning on

NOTE Confidence: 0.95301634

01:08:09.800 --> 01:08:10.680 a Saturday to get a

NOTE Confidence: 0.95301634

01:08:10.760 --> 01:08:12.380 get an aortic sample. So

NOTE Confidence: 0.95301634

01:08:12.600 --> 01:08:14.040 I'm very dedicated. We'd love

NOTE Confidence: 0.95301634

01:08:14.040 --> 01:08:15.000 to work with you on

NOTE Confidence: 0.95301634

01:08:15.000 --> 01:08:16.200 on that. That's the easy

NOTE Confidence: 0.95301634

01:08:16.200 --> 01:08:19.080 part. There's always tissues discarded

NOTE Confidence: 0.95301634

01:08:19.080 --> 01:08:20.040 if it's of value to

NOTE Confidence: 0.95301634

01:08:20.040 --> 01:08:21.020 you and your research,

NOTE Confidence: 0.86585355

01:08:21.800 --> 01:08:23.160 and we're consented and all

NOTE Confidence: 0.86585355

01:08:23.160 --> 01:08:24.460 that stuff properly.

NOTE Confidence: 0.8766429

01:08:25.135 --> 01:08:26.175 Absolutely. We'd be happy to.

NOTE Confidence: 0.8766429

01:08:26.175 --> 01:08:27.135 So talk to me, reach
NOTE Confidence: 0.8766429

01:08:27.135 --> 01:08:28.895 out, and happy to link
NOTE Confidence: 0.8766429

01:08:28.895 --> 01:08:29.695 you with some of our
NOTE Confidence: 0.8766429

01:08:29.695 --> 01:08:31.295 researchers as well. And it's
NOTE Confidence: 0.8766429

01:08:31.295 --> 01:08:32.814 Devine has built a great
NOTE Confidence: 0.8766429

01:08:32.814 --> 01:08:35.055 tradition because George Teledite was
NOTE Confidence: 0.8766429

01:08:35.215 --> 01:08:36.354 has been an important
NOTE Confidence: 0.95814145

01:08:36.735 --> 01:08:37.235 collaborator,
NOTE Confidence: 0.96644044

01:08:37.950 --> 01:08:39.630 with our CBRC for decades,
NOTE Confidence: 0.96644044

01:08:39.630 --> 01:08:41.070 and I think, we wanna
NOTE Confidence: 0.96644044

01:08:41.070 --> 01:08:42.690 build on that. So wonderful.
NOTE Confidence: 0.9903069

01:08:43.229 --> 01:08:44.510 Well, everyone, thanks for coming,
NOTE Confidence: 0.9903069

01:08:44.510 --> 01:08:45.790 and thanks again for our
NOTE Confidence: 0.9903069

01:08:45.790 --> 01:08:46.290 speakers.