

WEBVTT

NOTE duration:"01:27:19"

NOTE recognizability:0.888

NOTE language:en-us

NOTE Confidence: 0.844404125

00:00:00.000 --> 00:00:04.920 All right. Good evening and welcome.

NOTE Confidence: 0.844404125

00:00:04.920 --> 00:00:06.760 Are we good? All right.

NOTE Confidence: 0.844404125

00:00:06.760 --> 00:00:08.853 Thank you so much. And welcome to

NOTE Confidence: 0.844404125

00:00:08.853 --> 00:00:10.919 the Program for Biomedical Ethics,

NOTE Confidence: 0.844404125

00:00:10.920 --> 00:00:14.210 our first evening ethics seminar for 2024.

NOTE Confidence: 0.844404125

00:00:14.210 --> 00:00:17.080 I'm, I'm delighted that you're here tonight.

NOTE Confidence: 0.844404125

00:00:17.080 --> 00:00:18.648 I'm the folks who are here and are

NOTE Confidence: 0.844404125

00:00:18.648 --> 00:00:19.764 we broadcasting now? I'm here.

NOTE Confidence: 0.844404125

00:00:19.764 --> 00:00:21.074 Is this, is this happening?

NOTE Confidence: 0.844404125

00:00:21.080 --> 00:00:21.806 Outstanding? All right.

NOTE Confidence: 0.844404125

00:00:21.806 --> 00:00:23.500 And so until I know how many

NOTE Confidence: 0.844404125

00:00:23.549 --> 00:00:25.039 friends are coming from outside,

NOTE Confidence: 0.844404125

00:00:25.040 --> 00:00:26.950 including my friend Catherine from

NOTE Confidence: 0.844404125

00:00:26.950 --> 00:00:29.479 Columbia and so many others who were,  
NOTE Confidence: 0.844404125

00:00:29.480 --> 00:00:32.476 we're phoning in. So we appreciate that.  
NOTE Confidence: 0.844404125

00:00:32.480 --> 00:00:34.640 Tonight's conversation is the  
NOTE Confidence: 0.844404125

00:00:34.640 --> 00:00:36.800 brainchild of Sarah Hall,  
NOTE Confidence: 0.844404125

00:00:36.800 --> 00:00:38.005 our associate director and she's  
NOTE Confidence: 0.844404125

00:00:38.005 --> 00:00:39.759 also one of our speakers for tonight.  
NOTE Confidence: 0.844404125

00:00:39.760 --> 00:00:41.084 It's a fascinating subject.  
NOTE Confidence: 0.844404125

00:00:41.084 --> 00:00:43.438 We're going to talk about ethical issues  
NOTE Confidence: 0.844404125

00:00:43.438 --> 00:00:45.636 that arise with four drug abuse and  
NOTE Confidence: 0.844404125

00:00:45.636 --> 00:00:47.518 endocarditis in the treatment of such.  
NOTE Confidence: 0.844404125

00:00:47.520 --> 00:00:49.284 And Sarah knew exactly who we wanted  
NOTE Confidence: 0.844404125

00:00:49.284 --> 00:00:51.000 to invite for this conversation.  
NOTE Confidence: 0.844404125

00:00:51.000 --> 00:00:52.197 So I'll introduce them both to you.  
NOTE Confidence: 0.844404125

00:00:52.200 --> 00:00:54.265 Now the the the first speaker I  
NOTE Confidence: 0.844404125

00:00:54.265 --> 00:00:56.120 think is going to be Melissa.  
NOTE Confidence: 0.844404125

00:00:56.120 --> 00:00:56.664 Yes.

NOTE Confidence: 0.844404125

00:00:56.664 --> 00:00:59.866 So Doctor Melissa Weimer is a nationally

NOTE Confidence: 0.844404125

00:00:59.866 --> 00:01:01.234 recognized Educated rank clinician

NOTE Confidence: 0.844404125

00:01:01.234 --> 00:01:03.005 who's board certified at Internal

NOTE Confidence: 0.844404125

00:01:03.005 --> 00:01:04.397 Medicine and Addiction Medicine.

NOTE Confidence: 0.844404125

00:01:04.400 --> 00:01:05.780 She's an associate professor of

NOTE Confidence: 0.844404125

00:01:05.780 --> 00:01:07.438 medicine and public health at the

NOTE Confidence: 0.844404125

00:01:07.438 --> 00:01:08.794 Yale School of Medicine and the

NOTE Confidence: 0.844404125

00:01:08.794 --> 00:01:10.159 Yale School of Public Health.

NOTE Confidence: 0.844404125

00:01:10.160 --> 00:01:12.236 She's also the medical director of

NOTE Confidence: 0.844404125

00:01:12.236 --> 00:01:14.101 the Yale Addictive Medicine Counsel

NOTE Confidence: 0.844404125

00:01:14.101 --> 00:01:16.680 Service at Yale New Haven Hospital.

NOTE Confidence: 0.844404125

00:01:16.680 --> 00:01:18.830 She's the Associate program director

NOTE Confidence: 0.844404125

00:01:18.830 --> 00:01:20.980 for the Addiction Medicine Medicine

NOTE Confidence: 0.844404125

00:01:21.046 --> 00:01:22.956 Fellowship Program here as well.

NOTE Confidence: 0.844404125

00:01:22.960 --> 00:01:24.785 Doctor Wamer has clinical and

NOTE Confidence: 0.844404125

00:01:24.785 --> 00:01:26.610 research focus on expanding access  
NOTE Confidence: 0.844404125

00:01:26.674 --> 00:01:28.779 to treatment for individuals with  
NOTE Confidence: 0.844404125

00:01:28.779 --> 00:01:30.198 substance use disorders,  
NOTE Confidence: 0.844404125

00:01:30.200 --> 00:01:32.440 particularly in the hospital setting.  
NOTE Confidence: 0.844404125

00:01:32.440 --> 00:01:34.306 Doctor Weimer has ABA from the  
NOTE Confidence: 0.844404125

00:01:34.306 --> 00:01:35.239 University of Virginia,  
NOTE Confidence: 0.844404125

00:01:35.240 --> 00:01:37.640 ADO from Virginia College of  
NOTE Confidence: 0.844404125

00:01:37.640 --> 00:01:38.600 Osteopathic Medicine.  
NOTE Confidence: 0.844404125

00:01:38.600 --> 00:01:40.590 She trained in medical residency  
NOTE Confidence: 0.844404125

00:01:40.590 --> 00:01:43.151 and fellowship as well as a Master's  
NOTE Confidence: 0.844404125

00:01:43.151 --> 00:01:45.306 in clinical research from Oregon  
NOTE Confidence: 0.844404125

00:01:45.306 --> 00:01:46.599 Health Sciences University.  
NOTE Confidence: 0.844404125

00:01:46.600 --> 00:01:48.917 That is our first speaker for tonight,  
NOTE Confidence: 0.844404125

00:01:48.920 --> 00:01:49.880 Melissa Weimer, Dr. Weimer.  
NOTE Confidence: 0.844404125

00:01:49.880 --> 00:01:51.649 So I think I'll wait and I'll  
NOTE Confidence: 0.844404125

00:01:51.649 --> 00:01:53.014 introduce our second speaker after

NOTE Confidence: 0.844404125

00:01:53.014 --> 00:01:54.480 Doctor Weimer has a chance.

NOTE Confidence: 0.844404125

00:01:54.480 --> 00:01:56.964 But just to let you guys know how this works,

NOTE Confidence: 0.844404125

00:01:56.964 --> 00:01:58.960 many of you do, some of you may not.

NOTE Confidence: 0.844404125

00:01:58.960 --> 00:02:00.836 So we'll hear from the each speaker

NOTE Confidence: 0.844404125

00:02:00.836 --> 00:02:02.478 for about 15 or 20 minutes.

NOTE Confidence: 0.844404125

00:02:02.480 --> 00:02:04.175 Please hold your rousing questions

NOTE Confidence: 0.844404125

00:02:04.175 --> 00:02:05.870 until afterwards and then we'll

NOTE Confidence: 0.844404125

00:02:05.922 --> 00:02:07.716 have a question and answer session.

NOTE Confidence: 0.844404125

00:02:07.720 --> 00:02:09.120 And the folks who are on Zoom,

NOTE Confidence: 0.844404125

00:02:09.120 --> 00:02:10.950 you could send in your questions

NOTE Confidence: 0.844404125

00:02:10.950 --> 00:02:12.927 via the Q&A function on the Zoom

NOTE Confidence: 0.844404125

00:02:12.927 --> 00:02:15.192 call and we will have a hard stop at

NOTE Confidence: 0.844404125

00:02:15.192 --> 00:02:17.643 6:30 and everybody in the room has a

NOTE Confidence: 0.844404125

00:02:17.643 --> 00:02:19.932 atomic clock in their pocket, I know.

NOTE Confidence: 0.844404125

00:02:19.932 --> 00:02:21.794 So we all know when 630 happens.

NOTE Confidence: 0.844404125

00:02:21.800 --> 00:02:23.440 So I apologize in advance if you had  
NOTE Confidence: 0.844404125

00:02:23.440 --> 00:02:24.757 something you really wanted to ask.  
NOTE Confidence: 0.844404125

00:02:24.760 --> 00:02:26.223 And at 6:29 because I am going  
NOTE Confidence: 0.844404125

00:02:26.223 --> 00:02:27.320 to end us on time,  
NOTE Confidence: 0.844404125

00:02:27.320 --> 00:02:28.652 in case you're wondering because I  
NOTE Confidence: 0.844404125

00:02:28.652 --> 00:02:30.435 know you guys want to go out and  
NOTE Confidence: 0.844404125

00:02:30.435 --> 00:02:31.713 enjoy the enjoy the outdoors tonight.  
NOTE Confidence: 0.844404125

00:02:31.720 --> 00:02:33.000 So we'll get to that.  
NOTE Confidence: 0.844404125

00:02:33.000 --> 00:02:34.290 So let's start,  
NOTE Confidence: 0.844404125

00:02:34.290 --> 00:02:36.440 please with with doctor Weimer.  
NOTE Confidence: 0.844404125

00:02:36.440 --> 00:02:37.565 Please join me in welcoming  
NOTE Confidence: 0.844404125

00:02:37.565 --> 00:02:38.240 Doctor Melissa Weimer.  
NOTE Confidence: 0.630727415

00:02:43.360 --> 00:02:47.440 Thank you. Pathetic. Here. If you push  
NOTE Confidence: 0.630727415

00:02:47.440 --> 00:02:49.240 forward beautiful things should happen.  
NOTE Confidence: 0.6773904775

00:02:50.000 --> 00:02:50.800 Curry. There you go.  
NOTE Confidence: 0.8973683955555555

00:02:51.720 --> 00:02:53.875 All right. Thank you so

NOTE Confidence: 0.8973683955555555  
00:02:53.875 --> 00:02:55.599 much for the invitation.  
NOTE Confidence: 0.8973683955555555  
00:02:55.600 --> 00:02:57.436 It's wonderful to be here tonight.  
NOTE Confidence: 0.913417095  
00:02:59.560 --> 00:03:01.440 All right. I think I can see everything.  
NOTE Confidence: 0.913417095  
00:03:01.440 --> 00:03:02.840 I can sort of see you all.  
NOTE Confidence: 0.913417095  
00:03:02.840 --> 00:03:05.360 So hopefully you can see me.  
NOTE Confidence: 0.913417095  
00:03:05.360 --> 00:03:07.530 So tonight, I'm honored to be talking  
NOTE Confidence: 0.913417095  
00:03:07.530 --> 00:03:09.394 to you about ethical considerations  
NOTE Confidence: 0.913417095  
00:03:09.394 --> 00:03:11.998 in the management of injection drug  
NOTE Confidence: 0.913417095  
00:03:11.998 --> 00:03:14.360 use related infective endocarditis.  
NOTE Confidence: 0.913417095  
00:03:14.360 --> 00:03:16.000 And I appreciate the introduction.  
NOTE Confidence: 0.965209352  
00:03:19.840 --> 00:03:22.960 I don't have any disclosures.  
NOTE Confidence: 0.965209352  
00:03:22.960 --> 00:03:24.800 So I know we have a broad audience.  
NOTE Confidence: 0.965209352  
00:03:24.800 --> 00:03:26.704 So I just want to start with  
NOTE Confidence: 0.965209352  
00:03:26.704 --> 00:03:28.466 some very simple grounding of  
NOTE Confidence: 0.965209352  
00:03:28.466 --> 00:03:30.238 what is infective endocarditis.  
NOTE Confidence: 0.965209352

00:03:30.240 --> 00:03:31.020 Because you know,  
NOTE Confidence: 0.965209352

00:03:31.020 --> 00:03:33.438 when I talk to my family about what I do,  
NOTE Confidence: 0.965209352

00:03:33.440 --> 00:03:35.197 they're very confused and they're like I  
NOTE Confidence: 0.965209352

00:03:35.197 --> 00:03:37.237 have no idea what you're talking about.  
NOTE Confidence: 0.965209352

00:03:37.240 --> 00:03:39.400 So I know we have a various audience.  
NOTE Confidence: 0.965209352

00:03:39.400 --> 00:03:43.132 So infective endocarditis is a very  
NOTE Confidence: 0.965209352

00:03:43.132 --> 00:03:45.272 serious life threatening infection  
NOTE Confidence: 0.965209352

00:03:45.272 --> 00:03:47.792 that's generally caused by bacteria  
NOTE Confidence: 0.965209352

00:03:47.792 --> 00:03:51.168 or fungi and generally caused by  
NOTE Confidence: 0.965209352

00:03:51.168 --> 00:03:53.665 those bacteria or fungi being in  
NOTE Confidence: 0.965209352

00:03:53.665 --> 00:03:56.045 the bloodstream and they can cause  
NOTE Confidence: 0.965209352

00:03:56.045 --> 00:03:58.475 growth on the various heart valves.  
NOTE Confidence: 0.965209352

00:03:58.480 --> 00:04:00.720 You have heart 4 heart valves in  
NOTE Confidence: 0.965209352

00:04:00.720 --> 00:04:03.782 your heart and you can get these  
NOTE Confidence: 0.965209352

00:04:03.782 --> 00:04:06.184 vegetations that occur from bacteria  
NOTE Confidence: 0.965209352

00:04:06.184 --> 00:04:09.768 or fungi on the heart valve and



NOTE Confidence: 0.965209352

00:04:09.768 --> 00:04:11.640 this can be very life threatening,

NOTE Confidence: 0.965209352

00:04:11.640 --> 00:04:12.392 very serious,

NOTE Confidence: 0.965209352

00:04:12.392 --> 00:04:14.272 lead to serious infections that

NOTE Confidence: 0.965209352

00:04:14.272 --> 00:04:16.120 are very hard to treat.

NOTE Confidence: 0.872817859310345

00:04:19.400 --> 00:04:20.504 So before moving on,

NOTE Confidence: 0.872817859310345

00:04:20.504 --> 00:04:23.434 I want to also give a bit of a

NOTE Confidence: 0.872817859310345

00:04:23.434 --> 00:04:25.439 historical perspective to show how

NOTE Confidence: 0.872817859310345

00:04:25.439 --> 00:04:27.540 our understanding of endocarditis and

NOTE Confidence: 0.872817859310345

00:04:27.540 --> 00:04:29.994 its treatment has evolved over time.

NOTE Confidence: 0.872817859310345

00:04:30.000 --> 00:04:32.044 So infective endocarditis was

NOTE Confidence: 0.872817859310345

00:04:32.044 --> 00:04:35.166 first described by Revere in 1646.

NOTE Confidence: 0.872817859310345

00:04:35.166 --> 00:04:37.996 So nearly 400 years ago,

NOTE Confidence: 0.872817859310345

00:04:38.000 --> 00:04:40.358 Osler and Libman and actually many,

NOTE Confidence: 0.872817859310345

00:04:40.360 --> 00:04:44.200 many other people had recognized and

NOTE Confidence: 0.872817859310345

00:04:44.200 --> 00:04:46.120 described infective endocarditis.

NOTE Confidence: 0.872817859310345

00:04:46.120 --> 00:04:49.123 But Osler and Libman are really recognized

NOTE Confidence: 0.872817859310345

00:04:49.123 --> 00:04:51.531 for determining this relationship between

NOTE Confidence: 0.872817859310345

00:04:51.531 --> 00:04:54.714 infection and endocarditis in the 1800s.

NOTE Confidence: 0.872817859310345

00:04:54.714 --> 00:04:56.376 And then famously,

NOTE Confidence: 0.872817859310345

00:04:56.376 --> 00:04:58.038 Gustav Mahler was,

NOTE Confidence: 0.872817859310345

00:04:58.040 --> 00:04:59.600 who's a famous composer,

NOTE Confidence: 0.872817859310345

00:04:59.600 --> 00:05:01.160 was a famous composer.

NOTE Confidence: 0.872817859310345

00:05:01.160 --> 00:05:03.052 He developed infective endocarditis

NOTE Confidence: 0.872817859310345

00:05:03.052 --> 00:05:06.718 related to rheumatic fever he had as a child,

NOTE Confidence: 0.872817859310345

00:05:06.720 --> 00:05:08.680 and that ultimately led to his death.

NOTE Confidence: 0.872817859310345

00:05:08.680 --> 00:05:12.364 And Littman actually was a microbiologist

NOTE Confidence: 0.872817859310345

00:05:12.364 --> 00:05:16.331 who he had consulted with at the time,

NOTE Confidence: 0.872817859310345

00:05:16.331 --> 00:05:18.353 about six months before his death

NOTE Confidence: 0.872817859310345

00:05:18.360 --> 00:05:20.012 to kind of describe what was going

NOTE Confidence: 0.872817859310345

00:05:20.012 --> 00:05:21.877 on and and why it was happening.

NOTE Confidence: 0.961926514

00:05:25.000 --> 00:05:31.004 So let's go forward nearly 350 years to 1967.

NOTE Confidence: 0.961926514

00:05:31.004 --> 00:05:33.224 And this was when infective

NOTE Confidence: 0.961926514

00:05:33.224 --> 00:05:35.000 endocarditis was first recognized

NOTE Confidence: 0.961926514

00:05:35.075 --> 00:05:37.199 to be a medical complication of,

NOTE Confidence: 0.961926514

00:05:37.200 --> 00:05:38.394 quote, heroin addiction,

NOTE Confidence: 0.961926514

00:05:38.394 --> 00:05:41.726 which I'm going to refer to as opioid

NOTE Confidence: 0.961926514

00:05:41.726 --> 00:05:44.076 use disorder throughout my talk,

NOTE Confidence: 0.961926514

00:05:44.080 --> 00:05:46.660 or just plainly addiction.

NOTE Confidence: 0.961926514

00:05:46.660 --> 00:05:49.746 This occurred in 1967 before we

NOTE Confidence: 0.961926514

00:05:49.746 --> 00:05:52.038 really had broad use of medications

NOTE Confidence: 0.961926514

00:05:52.038 --> 00:05:53.959 that are highly effective,

NOTE Confidence: 0.961926514

00:05:53.960 --> 00:05:56.640 such as methadone or buprenorphine

NOTE Confidence: 0.961926514

00:05:56.640 --> 00:05:58.656 that we know are highly effective

NOTE Confidence: 0.961926514

00:05:58.656 --> 00:06:00.640 to treat opioid use disorder.

NOTE Confidence: 0.961926514

00:06:00.640 --> 00:06:04.080 In this manuscript from 1967,

NOTE Confidence: 0.961926514

00:06:04.080 --> 00:06:06.560 the authors described how individuals

NOTE Confidence: 0.961926514

00:06:06.560 --> 00:06:10.275 who use injection drugs go on to  
NOTE Confidence: 0.961926514

00:06:10.275 --> 00:06:11.997 develop infective endocarditis.  
NOTE Confidence: 0.961926514

00:06:12.000 --> 00:06:14.849 And so they described The heroin is  
NOTE Confidence: 0.961926514

00:06:14.849 --> 00:06:16.550 then injected intravenously without  
NOTE Confidence: 0.961926514

00:06:16.550 --> 00:06:18.595 any attempt at skin cleansing.  
NOTE Confidence: 0.961926514

00:06:18.600 --> 00:06:21.372 The user commonly injects the heroin in  
NOTE Confidence: 0.961926514

00:06:21.372 --> 00:06:24.438 the presence of one or more fellow users,  
NOTE Confidence: 0.961926514

00:06:24.440 --> 00:06:26.720 the group often sharing the needle  
NOTE Confidence: 0.961926514

00:06:26.720 --> 00:06:29.090 without any attempt at sterilization  
NOTE Confidence: 0.961926514

00:06:29.090 --> 00:06:31.439 between intravenous inoculations.  
NOTE Confidence: 0.961926514

00:06:31.440 --> 00:06:34.149 It is a Small wonder that self  
NOTE Confidence: 0.961926514

00:06:34.149 --> 00:06:36.983 administration of opiates in this fashion  
NOTE Confidence: 0.961926514

00:06:36.983 --> 00:06:39.115 produces severe medical complications.  
NOTE Confidence: 0.961926514

00:06:39.120 --> 00:06:40.740 So this is when we really  
NOTE Confidence: 0.961926514

00:06:40.740 --> 00:06:42.312 determined that there was this  
NOTE Confidence: 0.961926514

00:06:42.312 --> 00:06:44.032 relationship between injection drug

NOTE Confidence: 0.961926514

00:06:44.032 --> 00:06:45.752 use and effective intercarditis.

NOTE Confidence: 0.961926514

00:06:45.760 --> 00:06:48.434 And I'll refer to this throughout the

NOTE Confidence: 0.961926514

00:06:48.434 --> 00:06:51.146 talk as injection drug use related

NOTE Confidence: 0.961926514

00:06:51.146 --> 00:06:53.474 infective intercarditis or IDU i.e.,

NOTE Confidence: 0.961926514

00:06:53.474 --> 00:06:55.784 because it's quite a mouthful to

NOTE Confidence: 0.961926514

00:06:55.784 --> 00:06:57.598 say all of those words at once.

NOTE Confidence: 0.932505735714286

00:06:59.920 --> 00:07:06.520 So let's go forward another 50 years to 2010.

NOTE Confidence: 0.932505735714286

00:07:06.520 --> 00:07:09.612 So in 2010 we see that, you know,

NOTE Confidence: 0.932505735714286

00:07:09.612 --> 00:07:11.250 medical treatments have

NOTE Confidence: 0.932505735714286

00:07:11.250 --> 00:07:13.434 really become more advanced.

NOTE Confidence: 0.932505735714286

00:07:13.440 --> 00:07:15.918 But yet our medical community is

NOTE Confidence: 0.932505735714286

00:07:15.918 --> 00:07:18.772 still struggling with how do we best

NOTE Confidence: 0.932505735714286

00:07:18.772 --> 00:07:21.074 treat individuals who have IDU i.e.

NOTE Confidence: 0.932505735714286

00:07:21.074 --> 00:07:23.059 And there's this AMA Journal

NOTE Confidence: 0.932505735714286

00:07:23.059 --> 00:07:25.479 of Ethics Case and commentary.

NOTE Confidence: 0.932505735714286

00:07:25.480 --> 00:07:28.090 And the author describes questions  
NOTE Confidence: 0.932505735714286

00:07:28.090 --> 00:07:30.700 that this physician named Doctor  
NOTE Confidence: 0.932505735714286

00:07:30.778 --> 00:07:33.415 Collins asked of his patient Mr.  
NOTE Confidence: 0.932505735714286

00:07:33.415 --> 00:07:35.690 Addison, who has developed infective  
NOTE Confidence: 0.932505735714286

00:07:35.690 --> 00:07:38.125 endocarditis that appears to be  
NOTE Confidence: 0.932505735714286

00:07:38.125 --> 00:07:39.757 prosthetic valve endocarditis,  
NOTE Confidence: 0.932505735714286

00:07:39.760 --> 00:07:40.981 The author writes.  
NOTE Confidence: 0.932505735714286

00:07:40.981 --> 00:07:43.016 The typical clinical management approach  
NOTE Confidence: 0.932505735714286

00:07:43.016 --> 00:07:45.507 would be to examine the patient and  
NOTE Confidence: 0.932505735714286

00:07:45.507 --> 00:07:47.675 recommend that a surgeon be consulted  
NOTE Confidence: 0.932505735714286

00:07:47.675 --> 00:07:50.120 to discuss emergency valve replacement.  
NOTE Confidence: 0.932505735714286

00:07:50.120 --> 00:07:52.680 But Doctor Collins paused.  
NOTE Confidence: 0.932505735714286

00:07:52.680 --> 00:07:53.320 Mr.  
NOTE Confidence: 0.932505735714286

00:07:53.320 --> 00:07:56.720 Addison's relapse was almost certainly  
NOTE Confidence: 0.932505735714286

00:07:56.720 --> 00:08:00.200 a direct result of his renewed drug use.  
NOTE Confidence: 0.932505735714286

00:08:00.200 --> 00:08:02.114 Doctor Collins could just turf the

NOTE Confidence: 0.932505735714286  
00:08:02.114 --> 00:08:04.335 case to a cardiac surgeon and leave  
NOTE Confidence: 0.932505735714286  
00:08:04.335 --> 00:08:06.393 the decision up to him or her.  
NOTE Confidence: 0.932505735714286  
00:08:06.400 --> 00:08:08.800 But he wondered whether he had  
NOTE Confidence: 0.932505735714286  
00:08:08.800 --> 00:08:10.400 some responsibility to intervene  
NOTE Confidence: 0.932505735714286  
00:08:10.469 --> 00:08:12.870 at this point and ask them serious  
NOTE Confidence: 0.932505735714286  
00:08:12.870 --> 00:08:14.995 questions about the use of medical  
NOTE Confidence: 0.932505735714286  
00:08:14.995 --> 00:08:17.053 resources and money to keep patching  
NOTE Confidence: 0.932505735714286  
00:08:17.053 --> 00:08:20.485 up people who abuse their bodies  
NOTE Confidence: 0.932505735714286  
00:08:20.485 --> 00:08:22.953 in this instance unlawfully.  
NOTE Confidence: 0.932505735714286  
00:08:22.960 --> 00:08:24.280 And as I read that and I talk  
NOTE Confidence: 0.932505735714286  
00:08:24.280 --> 00:08:25.079 to you about it,  
NOTE Confidence: 0.932505735714286  
00:08:25.080 --> 00:08:27.120 it's hard for me to actually  
NOTE Confidence: 0.932505735714286  
00:08:27.120 --> 00:08:29.480 understand that that was 2010.  
NOTE Confidence: 0.932505735714286  
00:08:29.480 --> 00:08:32.528 This wasn't even that long ago that you  
NOTE Confidence: 0.932505735714286  
00:08:32.528 --> 00:08:34.681 hear someone describing an individual  
NOTE Confidence: 0.932505735714286

00:08:34.681 --> 00:08:37.754 who has this condition in this way.  
NOTE Confidence: 0.914031169523809

00:08:42.120 --> 00:08:44.896 So also in 2010, I had my own  
NOTE Confidence: 0.914031169523809

00:08:44.896 --> 00:08:46.820 career changing experience treating  
NOTE Confidence: 0.914031169523809

00:08:46.820 --> 00:08:49.680 an individual with injection drug  
NOTE Confidence: 0.914031169523809

00:08:49.680 --> 00:08:52.480 use related infected endocarditis.  
NOTE Confidence: 0.914031169523809

00:08:52.480 --> 00:08:55.240 I took care of a patient named Samantha  
NOTE Confidence: 0.914031169523809

00:08:55.240 --> 00:08:57.412 and she showed me how incredibly  
NOTE Confidence: 0.914031169523809

00:08:57.412 --> 00:08:59.998 flawed our care for patients with  
NOTE Confidence: 0.914031169523809

00:08:59.998 --> 00:09:02.648 substance use disorder or addiction  
NOTE Confidence: 0.914031169523809

00:09:02.648 --> 00:09:04.520 and affective endocarditis is.  
NOTE Confidence: 0.914031169523809

00:09:04.520 --> 00:09:07.526 At the time, I was working as a general  
NOTE Confidence: 0.914031169523809

00:09:07.526 --> 00:09:10.320 internist in an academic primary care clinic.  
NOTE Confidence: 0.914031169523809

00:09:10.320 --> 00:09:12.240 I just finished residency in Portland,  
NOTE Confidence: 0.914031169523809

00:09:12.240 --> 00:09:15.440 OR and I also had a weekly addiction  
NOTE Confidence: 0.914031169523809

00:09:15.440 --> 00:09:17.734 care clinic that was embedded  
NOTE Confidence: 0.914031169523809

00:09:17.734 --> 00:09:20.079 in the primary care clinic.



NOTE Confidence: 0.914031169523809  
00:09:20.080 --> 00:09:22.236 I received an urgent call from a  
NOTE Confidence: 0.914031169523809  
00:09:22.236 --> 00:09:24.297 colleague who'd asked me to come see  
NOTE Confidence: 0.914031169523809  
00:09:24.297 --> 00:09:25.905 this woman in the hospital named  
NOTE Confidence: 0.914031169523809  
00:09:25.969 --> 00:09:27.787 Samantha who was on the medical  
NOTE Confidence: 0.914031169523809  
00:09:27.787 --> 00:09:29.503 wards because she had infected  
NOTE Confidence: 0.914031169523809  
00:09:29.503 --> 00:09:32.018 endocarditis and my colleague had  
NOTE Confidence: 0.914031169523809  
00:09:32.018 --> 00:09:34.898 called me because Samantha was having  
NOTE Confidence: 0.914031169523809  
00:09:34.898 --> 00:09:37.262 severe post operative pain from an  
NOTE Confidence: 0.914031169523809  
00:09:37.262 --> 00:09:39.818 open the open heart surgery that  
NOTE Confidence: 0.914031169523809  
00:09:39.818 --> 00:09:42.356 she just underwent 2 days earlier.  
NOTE Confidence: 0.914031169523809  
00:09:42.360 --> 00:09:44.248 At this time in my career I really  
NOTE Confidence: 0.914031169523809  
00:09:44.248 --> 00:09:45.880 did only outpatient medicine.  
NOTE Confidence: 0.914031169523809  
00:09:45.880 --> 00:09:47.540 I would sometimes see patients  
NOTE Confidence: 0.914031169523809  
00:09:47.540 --> 00:09:50.177 on the wards as a hospitalist or  
NOTE Confidence: 0.914031169523809  
00:09:50.177 --> 00:09:51.484 an academic hospitalist.  
NOTE Confidence: 0.914031169523809

00:09:51.484 --> 00:09:52.696 But you know,  
NOTE Confidence: 0.914031169523809

00:09:52.696 --> 00:09:55.120 this was an urgent situation and  
NOTE Confidence: 0.914031169523809

00:09:55.191 --> 00:09:57.381 a colleague was calling me for  
NOTE Confidence: 0.914031169523809

00:09:57.381 --> 00:09:58.476 for my expertise.  
NOTE Confidence: 0.914031169523809

00:09:58.480 --> 00:10:02.400 So I made an exception to go see Samantha and  
NOTE Confidence: 0.914031169523809

00:10:02.400 --> 00:10:06.720 we were able to get her pain under control.  
NOTE Confidence: 0.914031169523809

00:10:06.720 --> 00:10:08.856 Over the time that I started  
NOTE Confidence: 0.914031169523809

00:10:08.856 --> 00:10:10.280 to care for Samantha.  
NOTE Confidence: 0.914031169523809

00:10:10.280 --> 00:10:11.757 Because I continue to care for her.  
NOTE Confidence: 0.914031169523809

00:10:11.760 --> 00:10:13.263 During the hospitalization,  
NOTE Confidence: 0.914031169523809

00:10:13.263 --> 00:10:17.360 I got to know her a bit more,  
NOTE Confidence: 0.914031169523809

00:10:17.360 --> 00:10:19.439 became clear that she had a very,  
NOTE Confidence: 0.914031169523809

00:10:19.440 --> 00:10:21.480 very hard childhood.  
NOTE Confidence: 0.914031169523809

00:10:21.480 --> 00:10:23.704 She left, she left home.  
NOTE Confidence: 0.914031169523809

00:10:23.704 --> 00:10:26.439 She ran away from home at the age of 16.  
NOTE Confidence: 0.914031169523809

00:10:26.440 --> 00:10:28.896 She'd been living in a van by herself

NOTE Confidence: 0.914031169523809  
00:10:28.896 --> 00:10:31.119 on the outskirts of Portland,  
NOTE Confidence: 0.914031169523809  
00:10:31.120 --> 00:10:33.020 and her most trusted allies  
NOTE Confidence: 0.914031169523809  
00:10:33.020 --> 00:10:35.400 in life were her two dogs.  
NOTE Confidence: 0.914031169523809  
00:10:35.400 --> 00:10:36.597 This is not a picture of her,  
NOTE Confidence: 0.914031169523809  
00:10:36.600 --> 00:10:37.296 but similar.  
NOTE Confidence: 0.914031169523809  
00:10:37.296 --> 00:10:40.080 You can sort of think of a similar  
NOTE Confidence: 0.914031169523809  
00:10:40.080 --> 00:10:42.502 picture of of what she might have  
NOTE Confidence: 0.914031169523809  
00:10:42.502 --> 00:10:45.144 looked like being unhoused or UN  
NOTE Confidence: 0.914031169523809  
00:10:45.144 --> 00:10:48.559 unstably housed on the streets.  
NOTE Confidence: 0.914031169523809  
00:10:48.560 --> 00:10:50.752 She developed infective endocarditis  
NOTE Confidence: 0.914031169523809  
00:10:50.752 --> 00:10:52.918 from injecting opioids and cocaine,  
NOTE Confidence: 0.914031169523809  
00:10:52.918 --> 00:10:54.472 which she had been doing over  
NOTE Confidence: 0.914031169523809  
00:10:54.472 --> 00:10:55.599 the last five years,  
NOTE Confidence: 0.914031169523809  
00:10:55.600 --> 00:10:58.648 and she'd never really been able  
NOTE Confidence: 0.914031169523809  
00:10:58.648 --> 00:11:02.400 to get any formal treatment for it.  
NOTE Confidence: 0.914031169523809

00:11:02.400 --> 00:11:04.944 She was most worried about her  
NOTE Confidence: 0.914031169523809

00:11:04.944 --> 00:11:06.640 dogs during the hospitalization,  
NOTE Confidence: 0.914031169523809

00:11:06.640 --> 00:11:08.760 and that was sort of her primary concern.  
NOTE Confidence: 0.914031169523809

00:11:08.760 --> 00:11:10.797 She understood she had a serious infection,  
NOTE Confidence: 0.914031169523809

00:11:10.800 --> 00:11:12.080 but from her perspective,  
NOTE Confidence: 0.914031169523809

00:11:12.080 --> 00:11:14.100 you know, she'd had surgery,  
NOTE Confidence: 0.914031169523809

00:11:14.100 --> 00:11:16.353 she's getting antibiotics, things were fine.  
NOTE Confidence: 0.914031169523809

00:11:16.353 --> 00:11:18.798 She really wanted us to be able to  
NOTE Confidence: 0.914031169523809

00:11:18.798 --> 00:11:20.838 accommodate her dogs in the hospital.  
NOTE Confidence: 0.914031169523809

00:11:20.840 --> 00:11:22.208 And though Portland OR  
NOTE Confidence: 0.914031169523809

00:11:22.208 --> 00:11:23.918 is a very liberal city,  
NOTE Confidence: 0.914031169523809

00:11:23.920 --> 00:11:25.744 we were not able to accommodate  
NOTE Confidence: 0.914031169523809

00:11:25.744 --> 00:11:27.798 her two dogs coming to visit her,  
NOTE Confidence: 0.914031169523809

00:11:27.800 --> 00:11:29.840 even though I did try.  
NOTE Confidence: 0.914031169523809

00:11:29.840 --> 00:11:31.640 And those who know me know  
NOTE Confidence: 0.914031169523809

00:11:31.640 --> 00:11:33.160 that I absolutely did try.

NOTE Confidence: 0.952497041052632  
00:11:36.560 --> 00:11:39.038 So anyway, we weren't able to accommodate  
NOTE Confidence: 0.952497041052632  
00:11:39.038 --> 00:11:42.068 that and she unfortunately made the decision  
NOTE Confidence: 0.952497041052632  
00:11:42.068 --> 00:11:44.779 to prematurely leave the hospital quickly.  
NOTE Confidence: 0.952497041052632  
00:11:44.779 --> 00:11:47.491 Things were put together as are done for  
NOTE Confidence: 0.952497041052632  
00:11:47.491 --> 00:11:49.565 someone who's prematurely leaving the  
NOTE Confidence: 0.952497041052632  
00:11:49.565 --> 00:11:51.800 hospital and kind of unbeknownst to me,  
NOTE Confidence: 0.952497041052632  
00:11:51.800 --> 00:11:54.544 she she left the hospital with a prescription  
NOTE Confidence: 0.952497041052632  
00:11:54.544 --> 00:11:56.920 for 200 tablets of hydromorphone,  
NOTE Confidence: 0.952497041052632  
00:11:56.920 --> 00:12:00.406 which was for her post operative pain.  
NOTE Confidence: 0.952497041052632  
00:12:00.406 --> 00:12:02.408 She did agree to see me a  
NOTE Confidence: 0.952497041052632  
00:12:02.408 --> 00:12:04.317 couple days later in my clinic,  
NOTE Confidence: 0.952497041052632  
00:12:04.320 --> 00:12:07.316 which was amazing, and I saw her.  
NOTE Confidence: 0.952497041052632  
00:12:07.320 --> 00:12:08.535 She looked terrible.  
NOTE Confidence: 0.952497041052632  
00:12:08.535 --> 00:12:10.965 I talked to her about the  
NOTE Confidence: 0.952497041052632  
00:12:10.965 --> 00:12:13.198 need to consider treatment,  
NOTE Confidence: 0.952497041052632

00:12:13.200 --> 00:12:15.318 consider going back to the hospital,  
NOTE Confidence: 0.952497041052632

00:12:15.320 --> 00:12:18.320 but she didn't feel that she could do  
NOTE Confidence: 0.952497041052632

00:12:18.320 --> 00:12:21.400 either of those things at the time.  
NOTE Confidence: 0.952497041052632

00:12:21.400 --> 00:12:21.942 Unfortunately,  
NOTE Confidence: 0.952497041052632

00:12:21.942 --> 00:12:25.194 she was hospitalized 5 days later.  
NOTE Confidence: 0.952497041052632

00:12:25.200 --> 00:12:28.350 She came back in with severe septic  
NOTE Confidence: 0.952497041052632

00:12:28.350 --> 00:12:30.680 shock and died within 24 hours.  
NOTE Confidence: 0.9542006925

00:12:32.720 --> 00:12:35.800 Samantha changed my career.  
NOTE Confidence: 0.9542006925

00:12:35.800 --> 00:12:37.558 She also changed the health system  
NOTE Confidence: 0.9542006925

00:12:37.558 --> 00:12:39.368 I was working in because colleagues  
NOTE Confidence: 0.9542006925

00:12:39.368 --> 00:12:41.664 and I decided that we had to do  
NOTE Confidence: 0.9542006925

00:12:41.731 --> 00:12:43.901 better for her and all the other  
NOTE Confidence: 0.9542006925

00:12:43.901 --> 00:12:46.026 patients who deserved better care.  
NOTE Confidence: 0.9542006925

00:12:46.026 --> 00:12:49.417 So colleagues and I came together at  
NOTE Confidence: 0.9542006925

00:12:49.417 --> 00:12:51.790 this time and we developed a hospital  
NOTE Confidence: 0.9542006925

00:12:51.862 --> 00:12:53.546 based addiction medicine consult

NOTE Confidence: 0.9542006925

00:12:53.546 --> 00:12:56.072 service to help patients like her.

NOTE Confidence: 0.915930523

00:13:00.600 --> 00:13:02.392 So what I recognized at the time

NOTE Confidence: 0.915930523

00:13:02.392 --> 00:13:04.409 that I was caring for her was

NOTE Confidence: 0.915930523

00:13:04.409 --> 00:13:06.191 that we have all these amazing,

NOTE Confidence: 0.915930523

00:13:06.200 --> 00:13:08.040 complex, you know, medical and

NOTE Confidence: 0.915930523

00:13:08.040 --> 00:13:10.480 surgical care that we can provide.

NOTE Confidence: 0.915930523

00:13:10.480 --> 00:13:12.986 We can spend millions of dollars to

NOTE Confidence: 0.915930523

00:13:12.986 --> 00:13:15.152 to patch people up to, you know,

NOTE Confidence: 0.915930523

00:13:15.152 --> 00:13:17.520 take out their valves to get them better,

NOTE Confidence: 0.915930523

00:13:17.520 --> 00:13:19.632 to, you know, intubate them, put them

NOTE Confidence: 0.915930523

00:13:19.632 --> 00:13:22.160 on pumps and ECMO and all this stuff.

NOTE Confidence: 0.915930523

00:13:22.160 --> 00:13:25.958 But we don't seem to be able to address

NOTE Confidence: 0.915930523

00:13:25.960 --> 00:13:28.200 their addiction for some reason.

NOTE Confidence: 0.915930523

00:13:28.200 --> 00:13:31.856 And so colleagues and I wrote about this

NOTE Confidence: 0.915930523

00:13:31.856 --> 00:13:34.274 as in this article stating that, you know,

NOTE Confidence: 0.915930523

00:13:34.274 --> 00:13:36.633 we're treating the symptoms of the illness,  
NOTE Confidence: 0.915930523

00:13:36.640 --> 00:13:39.384 but we're not treating the underlying disease  
NOTE Confidence: 0.915930523

00:13:39.384 --> 00:13:42.040 of addiction in infected endocarditis.  
NOTE Confidence: 0.915930523

00:13:42.040 --> 00:13:44.758 So why can we give six weeks of IV,  
NOTE Confidence: 0.915930523

00:13:44.760 --> 00:13:46.600 you know, powerful IV antibiotics  
NOTE Confidence: 0.915930523

00:13:46.600 --> 00:13:48.072 and these complex surgeries,  
NOTE Confidence: 0.915930523

00:13:48.080 --> 00:13:50.453 but we can't talk to our patients  
NOTE Confidence: 0.915930523

00:13:50.453 --> 00:13:52.119 about what's really going on,  
NOTE Confidence: 0.915930523

00:13:52.120 --> 00:13:54.200 what's really leading to their  
NOTE Confidence: 0.915930523

00:13:54.200 --> 00:13:56.280 hospitalization so that they can  
NOTE Confidence: 0.915930523

00:13:56.348 --> 00:13:58.484 truly get better and recover and  
NOTE Confidence: 0.915930523

00:13:58.484 --> 00:14:00.839 stay well and prevent future harms.  
NOTE Confidence: 0.942167917142857

00:14:04.920 --> 00:14:07.320 So not addressing addiction during  
NOTE Confidence: 0.942167917142857

00:14:07.320 --> 00:14:09.012 hospitalization for IDU i.e.  
NOTE Confidence: 0.942167917142857

00:14:09.012 --> 00:14:10.842 was also placing our surgical  
NOTE Confidence: 0.942167917142857

00:14:10.842 --> 00:14:13.239 colleagues in a terrible position.



NOTE Confidence: 0.942167917142857  
00:14:13.240 --> 00:14:15.606 This was written about in the New  
NOTE Confidence: 0.942167917142857  
00:14:15.606 --> 00:14:17.943 York Times in 2018 that highlighted  
NOTE Confidence: 0.942167917142857  
00:14:17.943 --> 00:14:21.208 A cardiac surgeon from Knoxville,  
NOTE Confidence: 0.942167917142857  
00:14:21.208 --> 00:14:24.295 TN who is describing his experience  
NOTE Confidence: 0.942167917142857  
00:14:24.295 --> 00:14:27.320 caring for individuals with IDU i.e.  
NOTE Confidence: 0.942167917142857  
00:14:27.320 --> 00:14:30.680 He stated certain cases haunt him.  
NOTE Confidence: 0.942167917142857  
00:14:30.680 --> 00:14:32.619 A little over a year ago he  
NOTE Confidence: 0.942167917142857  
00:14:32.619 --> 00:14:34.877 replaced a heart valve in a 25 year  
NOTE Confidence: 0.942167917142857  
00:14:34.877 --> 00:14:36.680 old man who had injected drugs,  
NOTE Confidence: 0.942167917142857  
00:14:36.680 --> 00:14:39.398 only to see him return a few months later.  
NOTE Confidence: 0.942167917142857  
00:14:39.400 --> 00:14:41.556 Now two valves, including the new one,  
NOTE Confidence: 0.942167917142857  
00:14:41.560 --> 00:14:43.990 were badly infected and his urine  
NOTE Confidence: 0.942167917142857  
00:14:43.990 --> 00:14:46.080 tested positive for illicit drugs.  
NOTE Confidence: 0.942167917142857  
00:14:46.080 --> 00:14:46.878 Doctor Pollard,  
NOTE Confidence: 0.942167917142857  
00:14:46.878 --> 00:14:48.873 the surgeon he declined to  
NOTE Confidence: 0.942167917142857

00:14:48.873 --> 00:14:50.480 operate a second time,  
NOTE Confidence: 0.942167917142857

00:14:50.480 --> 00:14:52.919 and the patient died at a Hospice.  
NOTE Confidence: 0.942167917142857

00:14:52.920 --> 00:14:54.474 It was one of the hardest things  
NOTE Confidence: 0.942167917142857

00:14:54.474 --> 00:14:57.440 I've ever had to do, he said.  
NOTE Confidence: 0.942167917142857

00:14:57.440 --> 00:14:59.666 Doctor Pollard worked with his health system  
NOTE Confidence: 0.942167917142857

00:14:59.666 --> 00:15:01.680 to start providing addiction treatment.  
NOTE Confidence: 0.942167917142857

00:15:01.680 --> 00:15:03.504 This is a cardiac surgeon who  
NOTE Confidence: 0.942167917142857

00:15:03.504 --> 00:15:05.634 worked with his health system to  
NOTE Confidence: 0.942167917142857

00:15:05.634 --> 00:15:07.326 start providing addiction treatment  
NOTE Confidence: 0.942167917142857

00:15:07.326 --> 00:15:09.470 to individuals with IDU i.e.  
NOTE Confidence: 0.942167917142857

00:15:09.470 --> 00:15:11.645 Because he also recognized without  
NOTE Confidence: 0.942167917142857

00:15:11.645 --> 00:15:13.520 addressing the underlying disease,  
NOTE Confidence: 0.942167917142857

00:15:13.520 --> 00:15:16.160 his patients couldn't actually get better.  
NOTE Confidence: 0.968001483333333

00:15:20.200 --> 00:15:22.516 So over the last 20 years,  
NOTE Confidence: 0.968001483333333

00:15:22.520 --> 00:15:25.957 as we've seen the opioid overdose epidemic  
NOTE Confidence: 0.968001483333333

00:15:25.960 --> 00:15:28.918 increasing and our drug supply becoming

NOTE Confidence: 0.9680014833333333

00:15:28.918 --> 00:15:31.589 incredibly lethal with the introduction

NOTE Confidence: 0.9680014833333333

00:15:31.589 --> 00:15:34.492 of synthetic opioids like fentanyl,

NOTE Confidence: 0.9680014833333333

00:15:34.492 --> 00:15:37.612 unfortunately the incidence of IDU i.e.

NOTE Confidence: 0.9680014833333333

00:15:37.612 --> 00:15:40.498 Has increased in parallel despite rates

NOTE Confidence: 0.9680014833333333

00:15:40.498 --> 00:15:43.072 of infected endocarditis not related to

NOTE Confidence: 0.9680014833333333

00:15:43.072 --> 00:15:45.137 injection drug use really staying flat

NOTE Confidence: 0.9680014833333333

00:15:45.137 --> 00:15:47.920 as you can see in the green line here.

NOTE Confidence: 0.9680014833333333

00:15:47.920 --> 00:15:50.422 So the incidence rates of endocarditis

NOTE Confidence: 0.9680014833333333

00:15:50.422 --> 00:15:52.540 among patients with opioid use

NOTE Confidence: 0.9680014833333333

00:15:52.540 --> 00:15:54.796 disorder or those who inject opioids,

NOTE Confidence: 0.9680014833333333

00:15:54.800 --> 00:15:57.850 for instance, increased from 3.7

NOTE Confidence: 0.9680014833333333

00:15:57.850 --> 00:16:02.924 in 2011 to 30.1 in 20/20/22 and

NOTE Confidence: 0.9680014833333333

00:16:02.924 --> 00:16:05.234 accelerated during the COVID pandemic,

NOTE Confidence: 0.9680014833333333

00:16:05.240 --> 00:16:06.644 which something could be

NOTE Confidence: 0.9680014833333333

00:16:06.644 --> 00:16:08.399 actually related to the virus,

NOTE Confidence: 0.9680014833333333

00:16:08.400 --> 00:16:12.400 potentially accelerating risk of infection.  
NOTE Confidence: 0.9680014833333333

00:16:12.400 --> 00:16:15.073 The incidence rate is 3 to 8 times that  
NOTE Confidence: 0.9680014833333333

00:16:15.073 --> 00:16:17.918 of individuals who don't inject drugs,  
NOTE Confidence: 0.9680014833333333

00:16:17.920 --> 00:16:20.475 who go on to develop infective intercarditis.  
NOTE Confidence: 0.903242987272727

00:16:23.000 --> 00:16:25.412 As you can imagine, hospital costs  
NOTE Confidence: 0.903242987272727

00:16:25.412 --> 00:16:27.400 have similarly increased over time.  
NOTE Confidence: 0.903242987272727

00:16:27.400 --> 00:16:29.440 And this is old data at this point.  
NOTE Confidence: 0.903242987272727

00:16:29.440 --> 00:16:31.336 But really the best data that I could  
NOTE Confidence: 0.903242987272727

00:16:31.336 --> 00:16:33.415 find or the most up to date data that  
NOTE Confidence: 0.903242987272727

00:16:33.415 --> 00:16:35.362 I could find showing that you know  
NOTE Confidence: 0.903242987272727

00:16:35.362 --> 00:16:37.198 the great increase in hospital costs  
NOTE Confidence: 0.903242987272727

00:16:37.200 --> 00:16:41.160 which have in this study increased  
NOTE Confidence: 0.903242987272727

00:16:41.160 --> 00:16:44.960 818 times or 18 fold up until  
NOTE Confidence: 0.903242987272727

00:16:44.960 --> 00:16:47.840 2015 and I imagine have increased  
NOTE Confidence: 0.903242987272727

00:16:47.840 --> 00:16:50.720 even more over the last 10 years.  
NOTE Confidence: 0.955010247142857

00:16:55.680 --> 00:16:58.386 So recognizing we have an opportunity

NOTE Confidence: 0.955010247142857

00:16:58.386 --> 00:17:00.667 and responsibility to improve the

NOTE Confidence: 0.955010247142857

00:17:00.667 --> 00:17:03.395 care of individuals, with IDU i.e.,

NOTE Confidence: 0.955010247142857

00:17:03.395 --> 00:17:06.425 the American Heart Association wrote a

NOTE Confidence: 0.955010247142857

00:17:06.425 --> 00:17:09.424 scientific statement in 2022 to provide

NOTE Confidence: 0.955010247142857

00:17:09.424 --> 00:17:12.352 guidance for the management of infective

NOTE Confidence: 0.955010247142857

00:17:12.352 --> 00:17:14.796 intercarditis in people who inject drugs.

NOTE Confidence: 0.955010247142857

00:17:14.800 --> 00:17:17.691 And I was, you know, happily agreed to

NOTE Confidence: 0.955010247142857

00:17:17.691 --> 00:17:20.913 be part of this distinguished group.

NOTE Confidence: 0.955010247142857

00:17:20.920 --> 00:17:23.496 What was interesting when I was part of

NOTE Confidence: 0.955010247142857

00:17:23.496 --> 00:17:26.340 this group was that everyone was kind of

NOTE Confidence: 0.955010247142857

00:17:26.340 --> 00:17:29.800 looking to me to tell them what do we do?

NOTE Confidence: 0.955010247142857

00:17:29.800 --> 00:17:31.730 And I was like, guys, I don't,

NOTE Confidence: 0.955010247142857

00:17:31.730 --> 00:17:33.755 I don't treat this alone.

NOTE Confidence: 0.955010247142857

00:17:33.760 --> 00:17:35.880 I mean, yes, we need to treat addiction,

NOTE Confidence: 0.955010247142857

00:17:35.880 --> 00:17:38.168 but they're like, but we can't do any

NOTE Confidence: 0.955010247142857

00:17:38.168 --> 00:17:40.758 of our things that we do without you.  
NOTE Confidence: 0.955010247142857

00:17:40.760 --> 00:17:42.432 So it was kind of this amazing moment  
NOTE Confidence: 0.955010247142857

00:17:42.432 --> 00:17:44.078 in my career where I was like,  
NOTE Confidence: 0.955010247142857

00:17:44.080 --> 00:17:44.962 yes, absolutely.  
NOTE Confidence: 0.955010247142857

00:17:44.962 --> 00:17:45.844 You know,  
NOTE Confidence: 0.955010247142857

00:17:45.844 --> 00:17:49.527 I was so excited to have this this  
NOTE Confidence: 0.955010247142857

00:17:49.527 --> 00:17:52.250 interest and so happy to see headlines  
NOTE Confidence: 0.955010247142857

00:17:52.250 --> 00:17:54.559 like this coming out and people  
NOTE Confidence: 0.955010247142857

00:17:54.559 --> 00:17:56.894 starting to understand that addiction  
NOTE Confidence: 0.955010247142857

00:17:56.894 --> 00:18:00.064 management is the key to treating heart  
NOTE Confidence: 0.955010247142857

00:18:00.064 --> 00:18:02.518 infection in people who use drugs.  
NOTE Confidence: 0.955010247142857

00:18:02.520 --> 00:18:05.474 So thankfully there has been this shift.  
NOTE Confidence: 0.955010247142857

00:18:05.480 --> 00:18:09.320 It took us many hundreds of years but that's  
NOTE Confidence: 0.955010247142857

00:18:09.320 --> 00:18:12.680 addiction treatment is slow and steady.  
NOTE Confidence: 0.955010247142857

00:18:12.680 --> 00:18:14.300 We just keep going.  
NOTE Confidence: 0.955010247142857

00:18:14.300 --> 00:18:15.920 So thankfully it's now

NOTE Confidence: 0.955010247142857  
00:18:15.920 --> 00:18:18.292 understood that we have to have  
NOTE Confidence: 0.955010247142857  
00:18:18.292 --> 00:18:20.152 addiction medicine at the table,  
NOTE Confidence: 0.955010247142857  
00:18:20.160 --> 00:18:22.770 particularly for people who have injection  
NOTE Confidence: 0.955010247142857  
00:18:22.770 --> 00:18:25.400 drug use related infective endocarditis.  
NOTE Confidence: 0.96688395375  
00:18:28.040 --> 00:18:29.880 So let's talk a little bit about addiction,  
NOTE Confidence: 0.96688395375  
00:18:29.880 --> 00:18:32.406 one of my favorite topics and  
NOTE Confidence: 0.96688395375  
00:18:32.406 --> 00:18:35.532 how we can best safely, safely,  
NOTE Confidence: 0.96688395375  
00:18:35.532 --> 00:18:37.008 and effectively treated.  
NOTE Confidence: 0.96688395375  
00:18:37.008 --> 00:18:39.960 So the American Society of Addiction  
NOTE Confidence: 0.96688395375  
00:18:40.032 --> 00:18:42.597 Medicine defines addiction this way,  
NOTE Confidence: 0.96688395375  
00:18:42.600 --> 00:18:46.284 and the emphasis here and the is mine.  
NOTE Confidence: 0.96688395375  
00:18:46.284 --> 00:18:49.794 So addiction is a treatable,  
NOTE Confidence: 0.96688395375  
00:18:49.800 --> 00:18:53.240 chronic medical disease involving complex  
NOTE Confidence: 0.96688395375  
00:18:53.240 --> 00:18:55.992 interactions among brain circuits,  
NOTE Confidence: 0.96688395375  
00:18:56.000 --> 00:18:57.776 genetics, the environment,  
NOTE Confidence: 0.96688395375

00:18:57.776 --> 00:19:01.399 and an individual's life experiences.  
NOTE Confidence: 0.96688395375

00:19:01.400 --> 00:19:03.085 People with addiction use substances  
NOTE Confidence: 0.96688395375

00:19:03.085 --> 00:19:05.240 are engaged in behaviors that combine,  
NOTE Confidence: 0.96688395375

00:19:05.240 --> 00:19:08.215 that become compulsive and often  
NOTE Confidence: 0.96688395375

00:19:08.215 --> 00:19:10.595 continue despite harmful consequences.  
NOTE Confidence: 0.96688395375

00:19:10.600 --> 00:19:13.245 Prevention efforts and treatment approaches  
NOTE Confidence: 0.96688395375

00:19:13.245 --> 00:19:16.680 for addiction are generally as successful  
NOTE Confidence: 0.96688395375

00:19:16.680 --> 00:19:20.676 as those for other chronic diseases.  
NOTE Confidence: 0.96688395375

00:19:20.680 --> 00:19:23.179 So I love this definition because there's  
NOTE Confidence: 0.96688395375

00:19:23.179 --> 00:19:26.037 a lot of hope in this definition.  
NOTE Confidence: 0.96688395375

00:19:26.040 --> 00:19:27.120 I think a lot of people,  
NOTE Confidence: 0.96688395375

00:19:27.120 --> 00:19:28.480 when they think about addiction,  
NOTE Confidence: 0.96688395375

00:19:28.480 --> 00:19:31.160 they don't think about hope.  
NOTE Confidence: 0.96688395375

00:19:31.160 --> 00:19:34.680 They don't think that this is a treatable  
NOTE Confidence: 0.96688395375

00:19:34.680 --> 00:19:36.584 condition because maybe there's just  
NOTE Confidence: 0.96688395375

00:19:36.584 --> 00:19:39.120 not enough understanding that there are very,



NOTE Confidence: 0.96688395375  
00:19:39.120 --> 00:19:40.760 very safe and effective treatments.  
NOTE Confidence: 0.96688395375  
00:19:40.760 --> 00:19:44.078 So I think understanding that it's treatable,  
NOTE Confidence: 0.96688395375  
00:19:44.080 --> 00:19:45.160 understanding it's a  
NOTE Confidence: 0.96688395375  
00:19:45.160 --> 00:19:46.600 medical disease is really,  
NOTE Confidence: 0.96688395375  
00:19:46.600 --> 00:19:49.080 really important when we're having  
NOTE Confidence: 0.96688395375  
00:19:49.080 --> 00:19:51.560 any sort of conversation about  
NOTE Confidence: 0.96688395375  
00:19:51.645 --> 00:19:53.937 how we best integrate the care  
NOTE Confidence: 0.96688395375  
00:19:53.937 --> 00:19:56.120 into into our hospital systems,  
NOTE Confidence: 0.96688395375  
00:19:56.120 --> 00:19:57.920 into our outpatient clinics,  
NOTE Confidence: 0.96688395375  
00:19:57.920 --> 00:19:58.520 all of that.  
NOTE Confidence: 0.959938387142857  
00:20:01.480 --> 00:20:03.076 So for the purposes of this talk,  
NOTE Confidence: 0.959938387142857  
00:20:03.080 --> 00:20:05.680 I'm going to focus on opioid use disorder.  
NOTE Confidence: 0.959938387142857  
00:20:05.680 --> 00:20:07.560 So addiction is the disease.  
NOTE Confidence: 0.959938387142857  
00:20:07.560 --> 00:20:10.640 Opioid use disorder is how we define,  
NOTE Confidence: 0.959938387142857  
00:20:10.640 --> 00:20:14.288 define or treat the diagnostic  
NOTE Confidence: 0.959938387142857

00:20:14.288 --> 00:20:16.908 classification of how we define  
NOTE Confidence: 0.959938387142857

00:20:16.908 --> 00:20:19.277 the disorder which is addiction.  
NOTE Confidence: 0.959938387142857

00:20:19.277 --> 00:20:22.350 So I'm going to focus on medications  
NOTE Confidence: 0.959938387142857

00:20:22.431 --> 00:20:25.056 for opioid use disorder though  
NOTE Confidence: 0.959938387142857

00:20:25.056 --> 00:20:27.681 recognize that other injection drugs  
NOTE Confidence: 0.959938387142857

00:20:27.764 --> 00:20:30.114 such as cocaine or methamphetamine  
NOTE Confidence: 0.959938387142857

00:20:30.114 --> 00:20:32.786 that can also cause injection drug  
NOTE Confidence: 0.959938387142857

00:20:32.786 --> 00:20:34.358 use related infective endocarditis,  
NOTE Confidence: 0.959938387142857

00:20:34.360 --> 00:20:37.560 but primarily in our region where we don't  
NOTE Confidence: 0.959938387142857

00:20:37.560 --> 00:20:41.240 have as much injection of those substances.  
NOTE Confidence: 0.959938387142857

00:20:41.240 --> 00:20:44.299 Most of the injection drug use related  
NOTE Confidence: 0.959938387142857

00:20:44.299 --> 00:20:46.559 infective endocarditis is from opioids.  
NOTE Confidence: 0.959938387142857

00:20:46.560 --> 00:20:48.300 So the three effective medications for  
NOTE Confidence: 0.959938387142857

00:20:48.300 --> 00:20:50.233 the treatment of opioid use disorder  
NOTE Confidence: 0.959938387142857

00:20:50.233 --> 00:20:51.792 are buprenorphine, extended release,  
NOTE Confidence: 0.959938387142857

00:20:51.792 --> 00:20:53.040 naltrexone and methadone.

NOTE Confidence: 0.959938387142857  
00:20:53.040 --> 00:20:55.656 Those are in no specific order  
NOTE Confidence: 0.959938387142857  
00:20:55.656 --> 00:20:57.400 other than alphabetical order.  
NOTE Confidence: 0.959938387142857  
00:20:57.400 --> 00:21:00.280 They have multiple benefits to patients.  
NOTE Confidence: 0.959938387142857  
00:21:00.280 --> 00:21:02.275 So I've listed some of those here.  
NOTE Confidence: 0.959938387142857  
00:21:02.280 --> 00:21:05.675 We talked about addiction being a brain,  
NOTE Confidence: 0.959938387142857  
00:21:05.680 --> 00:21:07.360 a disease of the brain,  
NOTE Confidence: 0.959938387142857  
00:21:07.360 --> 00:21:08.316 medical disease.  
NOTE Confidence: 0.959938387142857  
00:21:08.316 --> 00:21:12.140 And So what these medications do are restore  
NOTE Confidence: 0.959938387142857  
00:21:12.221 --> 00:21:15.196 brain networks which support recovery.  
NOTE Confidence: 0.959938387142857  
00:21:15.200 --> 00:21:17.916 They reduce compulsive drug use and craving.  
NOTE Confidence: 0.959938387142857  
00:21:17.920 --> 00:21:19.495 They promote retention and treatment  
NOTE Confidence: 0.959938387142857  
00:21:19.495 --> 00:21:22.320 which we we know is sort of foundational.  
NOTE Confidence: 0.959938387142857  
00:21:22.320 --> 00:21:24.320 For people to get better,  
NOTE Confidence: 0.959938387142857  
00:21:24.320 --> 00:21:26.678 they need to stay in treatment.  
NOTE Confidence: 0.959938387142857  
00:21:26.680 --> 00:21:27.760 But importantly,  
NOTE Confidence: 0.959938387142857

00:21:27.760 --> 00:21:30.750 particularly when someone has a an  
NOTE Confidence: 0.959938387142857

00:21:30.750 --> 00:21:33.240 illness such as infective inner carditis,  
NOTE Confidence: 0.959938387142857

00:21:33.240 --> 00:21:35.265 it also helps them complete  
NOTE Confidence: 0.959938387142857

00:21:35.265 --> 00:21:36.480 those medical treatments,  
NOTE Confidence: 0.959938387142857

00:21:36.480 --> 00:21:38.755 stay in the hospital for needed care,  
NOTE Confidence: 0.959938387142857

00:21:38.760 --> 00:21:40.836 continue care in a, you know,  
NOTE Confidence: 0.959938387142857

00:21:40.840 --> 00:21:42.920 nursing facility or outpatient  
NOTE Confidence: 0.959938387142857

00:21:42.920 --> 00:21:44.480 wherever they are.  
NOTE Confidence: 0.959938387142857

00:21:44.480 --> 00:21:46.816 It improves psychosocial functioning,  
NOTE Confidence: 0.959938387142857

00:21:46.816 --> 00:21:51.040 reduces all 'cause mortality as much as 60%.  
NOTE Confidence: 0.959938387142857

00:21:51.040 --> 00:21:53.920 We actually don't have many therapies  
NOTE Confidence: 0.959938387142857

00:21:53.920 --> 00:21:56.586 or medications in medicine that  
NOTE Confidence: 0.959938387142857

00:21:56.586 --> 00:21:58.878 improve all 'cause mortality,  
NOTE Confidence: 0.959938387142857

00:21:58.880 --> 00:22:01.800 mortality from anything as  
NOTE Confidence: 0.959938387142857

00:22:01.800 --> 00:22:03.880 much as these medications  
NOTE Confidence: 0.80971119

00:22:03.880 --> 00:22:05.440 do for opiate use disorder,

NOTE Confidence: 0.67423127  
00:22:05.960 --> 00:22:07.720 reduced risk of opioid overdose,  
NOTE Confidence: 0.67423127  
00:22:07.720 --> 00:22:09.512 reduced risk of HIV,  
NOTE Confidence: 0.67423127  
00:22:09.512 --> 00:22:12.200 hepatitis C and reduced healthcare costs.  
NOTE Confidence: 0.67423127  
00:22:12.200 --> 00:22:14.045 One important thing to recognize  
NOTE Confidence: 0.67423127  
00:22:14.045 --> 00:22:16.419 though is that it's not enough  
NOTE Confidence: 0.67423127  
00:22:16.419 --> 00:22:18.694 to just offer these medications  
NOTE Confidence: 0.67423127  
00:22:18.694 --> 00:22:20.514 or initiate these medications.  
NOTE Confidence: 0.67423127  
00:22:20.520 --> 00:22:23.648 We need to help patients stay on these  
NOTE Confidence: 0.67423127  
00:22:23.648 --> 00:22:25.570 medications because actually when we  
NOTE Confidence: 0.67423127  
00:22:25.570 --> 00:22:28.069 have detox only protocols or we only  
NOTE Confidence: 0.67423127  
00:22:28.140 --> 00:22:31.040 provide withdrawal management for instance,  
NOTE Confidence: 0.67423127  
00:22:31.040 --> 00:22:33.074 we actually could be placing our  
NOTE Confidence: 0.67423127  
00:22:33.074 --> 00:22:35.399 patients at a higher risk of death.  
NOTE Confidence: 0.67423127  
00:22:35.400 --> 00:22:37.808 And in fact, we've shown that when  
NOTE Confidence: 0.67423127  
00:22:37.808 --> 00:22:39.658 these medications are stopped and  
NOTE Confidence: 0.67423127

00:22:39.658 --> 00:22:41.914 people have recurrence of opioid use,  
NOTE Confidence: 0.67423127

00:22:41.920 --> 00:22:45.518 their risk of death precipitously goes up.  
NOTE Confidence: 0.67423127

00:22:45.520 --> 00:22:47.475 So it's really important that  
NOTE Confidence: 0.67423127

00:22:47.475 --> 00:22:49.039 we not only initiate,  
NOTE Confidence: 0.67423127

00:22:49.040 --> 00:22:50.590 but we help patients stay  
NOTE Confidence: 0.67423127

00:22:50.590 --> 00:22:51.520 on these treatments.  
NOTE Confidence: 0.96903799

00:22:54.520 --> 00:22:57.234 So a lot of times, you know,  
NOTE Confidence: 0.96903799

00:22:57.234 --> 00:22:59.593 when I'm treating patients in the hospital,  
NOTE Confidence: 0.96903799

00:22:59.600 --> 00:23:00.608 they'll say to me,  
NOTE Confidence: 0.96903799

00:23:00.608 --> 00:23:02.479 they'll say all kinds of things to me.  
NOTE Confidence: 0.96903799

00:23:02.480 --> 00:23:04.280 I've heard it all really.  
NOTE Confidence: 0.96903799

00:23:04.280 --> 00:23:05.435 I'm sure I haven't heard it all,  
NOTE Confidence: 0.96903799

00:23:05.440 --> 00:23:07.960 but sometimes I feel like I've heard it all.  
NOTE Confidence: 0.96903799

00:23:07.960 --> 00:23:09.232 And one of the most common  
NOTE Confidence: 0.96903799

00:23:09.232 --> 00:23:10.080 things they'll say is,  
NOTE Confidence: 0.96903799

00:23:10.080 --> 00:23:11.040 you know, I don't want to,

NOTE Confidence: 0.96903799

00:23:11.040 --> 00:23:13.378 I don't want to trade one addiction

NOTE Confidence: 0.96903799

00:23:13.378 --> 00:23:15.876 for another or this is just, you know,

NOTE Confidence: 0.96903799

00:23:15.876 --> 00:23:18.360 this is, this is not going to help me.

NOTE Confidence: 0.96903799

00:23:18.360 --> 00:23:19.800 I don't need this medication.

NOTE Confidence: 0.96903799

00:23:19.800 --> 00:23:22.064 So this might be a slide or a

NOTE Confidence: 0.96903799

00:23:22.064 --> 00:23:23.720 graphic that I'll show them,

NOTE Confidence: 0.96903799

00:23:23.720 --> 00:23:25.785 which shows that like, this is what

NOTE Confidence: 0.96903799

00:23:25.785 --> 00:23:28.038 happens when you start using substances.

NOTE Confidence: 0.96903799

00:23:28.040 --> 00:23:30.252 You usually start using a substance because

NOTE Confidence: 0.96903799

00:23:30.252 --> 00:23:32.958 you you want some sort of positive benefit.

NOTE Confidence: 0.96903799

00:23:32.960 --> 00:23:34.960 And initially people do generally

NOTE Confidence: 0.96903799

00:23:34.960 --> 00:23:36.560 have a positive benefit.

NOTE Confidence: 0.96903799

00:23:36.560 --> 00:23:38.795 Maybe they're trying to escape

NOTE Confidence: 0.96903799

00:23:38.795 --> 00:23:41.600 trauma or anxiety or who knows,

NOTE Confidence: 0.96903799

00:23:41.600 --> 00:23:44.136 they they start using for some reason and

NOTE Confidence: 0.96903799

00:23:44.136 --> 00:23:46.960 in the acute period they might feel OK,  
NOTE Confidence: 0.96903799

00:23:46.960 --> 00:23:49.728 they might feel pretty good and they might,  
NOTE Confidence: 0.96903799

00:23:49.728 --> 00:23:50.320 you know,  
NOTE Confidence: 0.96903799

00:23:50.320 --> 00:23:53.477 really have some of that positive benefit.  
NOTE Confidence: 0.96903799

00:23:53.480 --> 00:23:53.834 Unfortunately,  
NOTE Confidence: 0.96903799

00:23:53.834 --> 00:23:55.958 over time and particularly with opioids,  
NOTE Confidence: 0.96903799

00:23:55.960 --> 00:23:57.870 what happens is you quickly  
NOTE Confidence: 0.96903799

00:23:57.870 --> 00:23:59.398 develop tolerance to this,  
NOTE Confidence: 0.96903799

00:23:59.400 --> 00:24:02.284 to the opioid and you also quickly  
NOTE Confidence: 0.96903799

00:24:02.284 --> 00:24:03.520 develop physical dependence.  
NOTE Confidence: 0.96903799

00:24:03.520 --> 00:24:06.480 So the medicine or sorry the the opioid  
NOTE Confidence: 0.96903799

00:24:06.480 --> 00:24:09.178 actually no longer is providing a lot  
NOTE Confidence: 0.96903799

00:24:09.178 --> 00:24:11.720 of the benefit that you're seeking.  
NOTE Confidence: 0.96903799

00:24:11.720 --> 00:24:12.238 And people,  
NOTE Confidence: 0.96903799

00:24:12.238 --> 00:24:14.051 most of the people that we're seeing  
NOTE Confidence: 0.96903799

00:24:14.051 --> 00:24:15.941 in the hospital setting who are



NOTE Confidence: 0.96903799  
00:24:15.941 --> 00:24:17.516 coming in with opioid withdrawal,  
NOTE Confidence: 0.96903799  
00:24:17.520 --> 00:24:19.980 these are individuals who are using  
NOTE Confidence: 0.96903799  
00:24:19.980 --> 00:24:22.412 multiple times a day to really  
NOTE Confidence: 0.96903799  
00:24:22.412 --> 00:24:24.918 just feel at all kind of balanced,  
NOTE Confidence: 0.96903799  
00:24:24.920 --> 00:24:25.232 right.  
NOTE Confidence: 0.96903799  
00:24:25.232 --> 00:24:27.104 They're spending a lot of time  
NOTE Confidence: 0.96903799  
00:24:27.104 --> 00:24:28.783 in that withdrawal period that  
NOTE Confidence: 0.96903799  
00:24:28.783 --> 00:24:30.155 they're trying to escape.  
NOTE Confidence: 0.96903799  
00:24:30.160 --> 00:24:32.925 So the reason it's not treating one  
NOTE Confidence: 0.96903799  
00:24:32.925 --> 00:24:35.516 addiction for another is this because  
NOTE Confidence: 0.96903799  
00:24:35.516 --> 00:24:37.292 methadone and buprenorphine don't  
NOTE Confidence: 0.96903799  
00:24:37.292 --> 00:24:39.942 keep people in that period where  
NOTE Confidence: 0.96903799  
00:24:39.942 --> 00:24:42.438 they're having those highs and lows.  
NOTE Confidence: 0.96903799  
00:24:42.440 --> 00:24:45.452 It really you know keeps people  
NOTE Confidence: 0.96903799  
00:24:45.452 --> 00:24:47.806 in this equilibrium point and so  
NOTE Confidence: 0.96903799

00:24:47.806 --> 00:24:49.780 there's a lot of education we need  
NOTE Confidence: 0.96903799

00:24:49.840 --> 00:24:51.760 to do to help people understand,  
NOTE Confidence: 0.96903799

00:24:51.760 --> 00:24:52.720 understand that.  
NOTE Confidence: 0.885595639259259

00:24:55.000 --> 00:24:57.136 So you might say is there any data  
NOTE Confidence: 0.885595639259259

00:24:57.136 --> 00:24:58.890 to suggest that these medications  
NOTE Confidence: 0.885595639259259

00:24:58.890 --> 00:25:01.206 work and help people who have  
NOTE Confidence: 0.885595639259259

00:25:01.206 --> 00:25:02.999 specifically have injection drug  
NOTE Confidence: 0.885595639259259

00:25:02.999 --> 00:25:04.795 use related infective endocritis.  
NOTE Confidence: 0.885595639259259

00:25:04.800 --> 00:25:07.180 And in fact, there was a great  
NOTE Confidence: 0.885595639259259

00:25:07.180 --> 00:25:09.361 study out of Boston, Simeon,  
NOTE Confidence: 0.885595639259259

00:25:09.361 --> 00:25:13.008 Kimmel and others from 2020 that showed  
NOTE Confidence: 0.885595639259259

00:25:13.008 --> 00:25:16.159 that with the use of medication,  
NOTE Confidence: 0.885595639259259

00:25:16.160 --> 00:25:17.702 specifically medications to  
NOTE Confidence: 0.885595639259259

00:25:17.702 --> 00:25:19.758 treat opioid use disorder,  
NOTE Confidence: 0.885595639259259

00:25:19.760 --> 00:25:23.799 we see a decreased all 'cause mortality.  
NOTE Confidence: 0.885595639259259

00:25:23.800 --> 00:25:26.584 We see that when the medications

NOTE Confidence: 0.885595639259259

00:25:26.584 --> 00:25:28.440 are given and continued.

NOTE Confidence: 0.885595639259259

00:25:28.440 --> 00:25:29.530 So importantly,

NOTE Confidence: 0.885595639259259

00:25:29.530 --> 00:25:33.345 that benefit goes away if the person

NOTE Confidence: 0.885595639259259

00:25:33.345 --> 00:25:36.080 doesn't stay on the medication.

NOTE Confidence: 0.885595639259259

00:25:36.080 --> 00:25:37.697 So This is why when we're seeing

NOTE Confidence: 0.885595639259259

00:25:37.697 --> 00:25:38.880 patients in the hospital,

NOTE Confidence: 0.885595639259259

00:25:38.880 --> 00:25:40.872 it's important that we're not just

NOTE Confidence: 0.885595639259259

00:25:40.872 --> 00:25:42.200 again starting the medication,

NOTE Confidence: 0.885595639259259

00:25:42.200 --> 00:25:44.660 but really talking to patients about

NOTE Confidence: 0.885595639259259

00:25:44.660 --> 00:25:47.892 the need to stay on the medication

NOTE Confidence: 0.885595639259259

00:25:47.892 --> 00:25:50.407 to promote their ongoing recovery

NOTE Confidence: 0.885595639259259

00:25:50.407 --> 00:25:53.704 and hopefully get them to a period of

NOTE Confidence: 0.885595639259259

00:25:53.704 --> 00:25:57.560 remission from opiate use disorder.

NOTE Confidence: 0.885595639259259

00:25:57.560 --> 00:26:00.130 So despite knowing all of this, the things,

NOTE Confidence: 0.885595639259259

00:26:00.130 --> 00:26:01.960 the wonderful things I just said,

NOTE Confidence: 0.885595639259259

00:26:01.960 --> 00:26:04.000 medications for opiate use  
NOTE Confidence: 0.885595639259259

00:26:04.000 --> 00:26:06.040 disorder are hugely underutilized.  
NOTE Confidence: 0.885595639259259

00:26:06.040 --> 00:26:06.608 In 2020,  
NOTE Confidence: 0.885595639259259

00:26:06.608 --> 00:26:08.596 which was the year that we had  
NOTE Confidence: 0.885595639259259

00:26:08.600 --> 00:26:11.240 100,000 people die of an opioid  
NOTE Confidence: 0.885595639259259

00:26:11.240 --> 00:26:13.860 overdose and 2.5 million people who  
NOTE Confidence: 0.885595639259259

00:26:13.860 --> 00:26:16.040 who answered survey results saying  
NOTE Confidence: 0.885595639259259

00:26:16.114 --> 00:26:18.760 that they had an opioid use disorder,  
NOTE Confidence: 0.885595639259259

00:26:18.760 --> 00:26:21.310 only about 11% of them received  
NOTE Confidence: 0.885595639259259

00:26:21.310 --> 00:26:23.401 safe and effective treatment for  
NOTE Confidence: 0.885595639259259

00:26:23.401 --> 00:26:25.040 their opioid use disorder.  
NOTE Confidence: 0.885595639259259

00:26:25.040 --> 00:26:28.456 So that left 89% of the population  
NOTE Confidence: 0.885595639259259

00:26:28.456 --> 00:26:31.488 of people with opioid use disorder  
NOTE Confidence: 0.885595639259259

00:26:31.488 --> 00:26:32.520 without treatment.  
NOTE Confidence: 0.893550732307692

00:26:35.080 --> 00:26:38.928 So to lead quality care and to provide  
NOTE Confidence: 0.893550732307692

00:26:38.928 --> 00:26:41.240 patients treatment at the bedside,

NOTE Confidence: 0.893550732307692  
00:26:41.240 --> 00:26:43.931 I am proud to lead this team in the  
NOTE Confidence: 0.893550732307692  
00:26:43.931 --> 00:26:45.961 hospital at Saint Raphael's campus  
NOTE Confidence: 0.893550732307692  
00:26:45.961 --> 00:26:48.451 in York Street campus that provides  
NOTE Confidence: 0.893550732307692  
00:26:48.519 --> 00:26:50.656 medication treatment to patients  
NOTE Confidence: 0.893550732307692  
00:26:50.656 --> 00:26:52.596 who have substance use disorder.  
NOTE Confidence: 0.893550732307692  
00:26:52.600 --> 00:26:55.183 So we see patients who are in the hospital  
NOTE Confidence: 0.893550732307692  
00:26:55.183 --> 00:26:57.344 with endocarditis or alcohol withdrawal  
NOTE Confidence: 0.893550732307692  
00:26:57.344 --> 00:26:59.430 or whatever they might have related  
NOTE Confidence: 0.893550732307692  
00:26:59.430 --> 00:27:01.803 to their substance use and we provide  
NOTE Confidence: 0.893550732307692  
00:27:01.803 --> 00:27:03.837 treatment to them while they're there.  
NOTE Confidence: 0.95522826375  
00:27:06.080 --> 00:27:08.720 Our treatment model is to see these patients,  
NOTE Confidence: 0.95522826375  
00:27:08.720 --> 00:27:10.920 evaluate them, provide a diagnosis,  
NOTE Confidence: 0.95522826375  
00:27:10.920 --> 00:27:12.996 talk to them about their treatment  
NOTE Confidence: 0.95522826375  
00:27:12.996 --> 00:27:14.380 options and initiate medication  
NOTE Confidence: 0.95522826375  
00:27:14.436 --> 00:27:15.800 treatment in the hospital.  
NOTE Confidence: 0.95522826375

00:27:15.800 --> 00:27:18.320 We don't want patients to wait till  
NOTE Confidence: 0.95522826375

00:27:18.320 --> 00:27:19.787 after the hospitalization because  
NOTE Confidence: 0.95522826375

00:27:19.787 --> 00:27:21.755 sometimes that can be too late.  
NOTE Confidence: 0.95522826375

00:27:21.760 --> 00:27:23.496 And then we want to talk to them  
NOTE Confidence: 0.95522826375

00:27:23.496 --> 00:27:25.312 and help educate them about the  
NOTE Confidence: 0.95522826375

00:27:25.312 --> 00:27:26.636 need for ongoing treatment,  
NOTE Confidence: 0.95522826375

00:27:26.640 --> 00:27:28.146 continuation of medication,  
NOTE Confidence: 0.95522826375

00:27:28.146 --> 00:27:30.154 30 day follow up.  
NOTE Confidence: 0.95522826375

00:27:30.160 --> 00:27:32.480 And this is all built on this framework  
NOTE Confidence: 0.95522826375

00:27:32.480 --> 00:27:33.800 of motivational interviewing,  
NOTE Confidence: 0.95522826375

00:27:33.800 --> 00:27:35.670 brief treatment and importantly harm  
NOTE Confidence: 0.95522826375

00:27:35.670 --> 00:27:38.097 reduction because we know that not all  
NOTE Confidence: 0.95522826375

00:27:38.097 --> 00:27:40.065 of our patients are going to want to  
NOTE Confidence: 0.95522826375

00:27:40.123 --> 00:27:41.739 potentially start these medications  
NOTE Confidence: 0.95522826375

00:27:41.739 --> 00:27:43.759 or stay on these medications.  
NOTE Confidence: 0.95522826375

00:27:43.760 --> 00:27:45.488 So we also need to talk to them

NOTE Confidence: 0.95522826375

00:27:45.488 --> 00:27:47.239 about how to prevent future harms.

NOTE Confidence: 0.890339893703704

00:27:49.720 --> 00:27:51.664 Something else we've done as a

NOTE Confidence: 0.890339893703704

00:27:51.664 --> 00:27:54.818 part of our work is the wonderful

NOTE Confidence: 0.890339893703704

00:27:54.818 --> 00:27:56.006 volunteer multidisciplinary

NOTE Confidence: 0.890339893703704

00:27:56.006 --> 00:27:58.382 endocarditis evaluation team which

NOTE Confidence: 0.890339893703704

00:27:58.382 --> 00:28:01.119 myself and Doctor Hall are a part of.

NOTE Confidence: 0.890339893703704

00:28:01.120 --> 00:28:03.148 Had a meeting this morning talked

NOTE Confidence: 0.890339893703704

00:28:03.148 --> 00:28:06.024 about a patient who has injection drug

NOTE Confidence: 0.890339893703704

00:28:06.024 --> 00:28:07.960 use related infected endocarditis.

NOTE Confidence: 0.890339893703704

00:28:07.960 --> 00:28:10.000 And this is a multidisciplinary

NOTE Confidence: 0.890339893703704

00:28:10.000 --> 00:28:11.632 group of cardiac surgeons,

NOTE Confidence: 0.890339893703704

00:28:11.640 --> 00:28:13.680 cardiologists, ethicists,

NOTE Confidence: 0.890339893703704

00:28:13.680 --> 00:28:18.528 care managers, addiction medicine ID.

NOTE Confidence: 0.890339893703704

00:28:18.528 --> 00:28:21.600 Who am I forgetting?

NOTE Confidence: 0.890339893703704

00:28:21.600 --> 00:28:25.480 Lots of people who meet and we talk

NOTE Confidence: 0.890339893703704

00:28:25.480 --> 00:28:27.840 about the care for individuals who  
NOTE Confidence: 0.890339893703704

00:28:27.840 --> 00:28:29.600 might need surgical intervention  
NOTE Confidence: 0.890339893703704

00:28:29.600 --> 00:28:30.920 for their endocarditis,  
NOTE Confidence: 0.890339893703704

00:28:30.920 --> 00:28:33.134 kind of similar to like a  
NOTE Confidence: 0.890339893703704

00:28:33.134 --> 00:28:35.080 tumor board that might meet.  
NOTE Confidence: 0.890339893703704

00:28:35.080 --> 00:28:37.299 And our aim is really to initiate  
NOTE Confidence: 0.890339893703704

00:28:37.299 --> 00:28:38.703 multidisciplinary care and ensure  
NOTE Confidence: 0.890339893703704

00:28:38.703 --> 00:28:40.663 their patients are getting appropriate  
NOTE Confidence: 0.890339893703704

00:28:40.663 --> 00:28:42.690 assessment and treatment and optimize  
NOTE Confidence: 0.890339893703704

00:28:42.690 --> 00:28:44.720 the treatment that they're receiving,  
NOTE Confidence: 0.890339893703704

00:28:44.720 --> 00:28:47.240 facilitate resources and promote  
NOTE Confidence: 0.890339893703704

00:28:47.240 --> 00:28:49.760 communication about challenging situations.  
NOTE Confidence: 0.890339893703704

00:28:49.760 --> 00:28:51.092 There are times where,  
NOTE Confidence: 0.890339893703704

00:28:51.092 --> 00:28:51.758 you know,  
NOTE Confidence: 0.890339893703704

00:28:51.760 --> 00:28:54.329 I may really think that a patient  
NOTE Confidence: 0.890339893703704

00:28:54.329 --> 00:28:56.096 absolutely needs surgery and the



NOTE Confidence: 0.890339893703704

00:28:56.096 --> 00:28:58.480 surgeon may say I don't agree with you.

NOTE Confidence: 0.890339893703704

00:28:58.480 --> 00:29:00.928 So we need a time where we can

NOTE Confidence: 0.890339893703704

00:29:00.928 --> 00:29:03.264 talk about that and recognize that

NOTE Confidence: 0.890339893703704

00:29:03.264 --> 00:29:05.504 it's important that we're having

NOTE Confidence: 0.890339893703704

00:29:05.504 --> 00:29:08.040 those tough conversations together.

NOTE Confidence: 0.975163985

00:29:10.880 --> 00:29:13.603 We also need to recognize that, as I said,

NOTE Confidence: 0.975163985

00:29:13.603 --> 00:29:15.931 not all of our patients are going to

NOTE Confidence: 0.975163985

00:29:15.931 --> 00:29:17.996 be ready or willing to stop using.

NOTE Confidence: 0.975163985

00:29:18.000 --> 00:29:20.880 We also need to recognize that as we said,

NOTE Confidence: 0.975163985

00:29:20.880 --> 00:29:22.920 addiction is a medical disease.

NOTE Confidence: 0.975163985

00:29:22.920 --> 00:29:26.315 It means like other chronic medical diseases,

NOTE Confidence: 0.975163985

00:29:26.320 --> 00:29:28.680 it can happen or recur.

NOTE Confidence: 0.975163985

00:29:28.680 --> 00:29:31.172 So we know that relapse can be

NOTE Confidence: 0.975163985

00:29:31.172 --> 00:29:34.118 a part of the disease pattern.

NOTE Confidence: 0.975163985

00:29:34.120 --> 00:29:36.505 And so we need to talk to our patients

NOTE Confidence: 0.975163985

00:29:36.505 --> 00:29:38.276 through all the stages of change,  
NOTE Confidence: 0.975163985

00:29:38.280 --> 00:29:39.872 which are illustrated here,  
NOTE Confidence: 0.975163985

00:29:39.872 --> 00:29:42.260 recognizing that you know at many  
NOTE Confidence: 0.975163985

00:29:42.335 --> 00:29:44.375 of those stages they might still  
NOTE Confidence: 0.975163985

00:29:44.375 --> 00:29:46.520 have ongoing use of substances.  
NOTE Confidence: 0.975163985

00:29:46.520 --> 00:29:48.242 Most of the time in the hospital  
NOTE Confidence: 0.975163985

00:29:48.242 --> 00:29:49.999 we're able to avoid ongoing use.  
NOTE Confidence: 0.975163985

00:29:50.000 --> 00:29:52.640 So it's a great reachable moment  
NOTE Confidence: 0.975163985

00:29:52.640 --> 00:29:54.359 for us to be able to talk to them,  
NOTE Confidence: 0.975163985

00:29:54.360 --> 00:29:56.770 create action plans and hopefully  
NOTE Confidence: 0.975163985

00:29:56.770 --> 00:30:00.106 get them to that maintenance part of  
NOTE Confidence: 0.975163985

00:30:00.106 --> 00:30:03.046 treatment where we can really you know  
NOTE Confidence: 0.975163985

00:30:03.046 --> 00:30:06.038 sustain change which we know takes time.  
NOTE Confidence: 0.975163985

00:30:06.040 --> 00:30:07.620 But when relapse happens or  
NOTE Confidence: 0.975163985

00:30:07.620 --> 00:30:09.200 recurrence of drug use happens,  
NOTE Confidence: 0.975163985

00:30:09.200 --> 00:30:11.629 we also need to remain hopeful and

NOTE Confidence: 0.975163985

00:30:11.629 --> 00:30:13.646 recognize that it's an upward spiral

NOTE Confidence: 0.975163985

00:30:13.646 --> 00:30:16.139 that we can learn from each of those

NOTE Confidence: 0.975163985

00:30:16.139 --> 00:30:18.302 times and we can help our patients

NOTE Confidence: 0.975163985

00:30:18.302 --> 00:30:21.265 as long as we keep an open door and

NOTE Confidence: 0.975163985

00:30:21.265 --> 00:30:23.438 optimism that they can get better.

NOTE Confidence: 0.966369466666667

00:30:26.880 --> 00:30:28.716 Talking a lot about harm reduction,

NOTE Confidence: 0.966369466666667

00:30:28.720 --> 00:30:31.240 we know that a lot of our

NOTE Confidence: 0.966369466666667

00:30:31.240 --> 00:30:33.032 patients aren't ready to change.

NOTE Confidence: 0.966369466666667

00:30:33.032 --> 00:30:36.030 They they might have a lot of questions

NOTE Confidence: 0.966369466666667

00:30:36.030 --> 00:30:38.753 about how they can can stay healthy,

NOTE Confidence: 0.966369466666667

00:30:38.760 --> 00:30:41.105 but maybe they're not ready to commit

NOTE Confidence: 0.966369466666667

00:30:41.105 --> 00:30:43.280 to buprenorphine or methadone or or

NOTE Confidence: 0.966369466666667

00:30:43.280 --> 00:30:45.120 whatever medication we talk about.

NOTE Confidence: 0.966369466666667

00:30:45.120 --> 00:30:47.304 So we've also developed a website

NOTE Confidence: 0.966369466666667

00:30:47.304 --> 00:30:48.760 which is freely available.

NOTE Confidence: 0.966369466666667

00:30:48.760 --> 00:30:50.730 Any of you could access  
NOTE Confidence: 0.966369466666667

00:30:50.730 --> 00:30:52.520 it safer substanceuse.org.  
NOTE Confidence: 0.966369466666667

00:30:52.520 --> 00:30:57.560 This was funded by the Yale New  
NOTE Confidence: 0.966369466666667

00:30:57.560 --> 00:30:59.786 Haven Hospital Medical Staff Fund.  
NOTE Confidence: 0.966369466666667

00:30:59.786 --> 00:31:01.598 So with that fund,  
NOTE Confidence: 0.966369466666667

00:31:01.600 --> 00:31:03.748 we built this website which talks  
NOTE Confidence: 0.966369466666667

00:31:03.748 --> 00:31:06.128 through ways that that people Canmore  
NOTE Confidence: 0.966369466666667

00:31:06.128 --> 00:31:08.333 safely inject alternatives to injection  
NOTE Confidence: 0.966369466666667

00:31:08.333 --> 00:31:11.255 and also helps clinicians be able to  
NOTE Confidence: 0.966369466666667

00:31:11.255 --> 00:31:13.553 talk through this with their patients.  
NOTE Confidence: 0.966369466666667

00:31:13.560 --> 00:31:15.536 If they're not sure how do you talk  
NOTE Confidence: 0.966369466666667

00:31:15.536 --> 00:31:17.095 to somebody about injection drug  
NOTE Confidence: 0.966369466666667

00:31:17.095 --> 00:31:18.775 use because you probably didn't  
NOTE Confidence: 0.966369466666667

00:31:18.775 --> 00:31:20.717 learn about that in medical school.  
NOTE Confidence: 0.966369466666667

00:31:20.720 --> 00:31:23.640 So this is a great, great resource as well.  
NOTE Confidence: 0.964114446

00:31:26.160 --> 00:31:30.044 So my goal is that all patients who

NOTE Confidence: 0.964114446

00:31:30.044 --> 00:31:32.372 might have injection drug use related

NOTE Confidence: 0.964114446

00:31:32.372 --> 00:31:34.352 infective intercarditis in all health

NOTE Confidence: 0.964114446

00:31:34.352 --> 00:31:36.644 systems around the country which we

NOTE Confidence: 0.964114446

00:31:36.708 --> 00:31:38.664 know that you know console services are

NOTE Confidence: 0.964114446

00:31:38.664 --> 00:31:40.680 not available in many of these places.

NOTE Confidence: 0.964114446

00:31:40.680 --> 00:31:44.488 But I hope that at least life saving

NOTE Confidence: 0.964114446

00:31:44.488 --> 00:31:46.484 medications such as, you know,

NOTE Confidence: 0.964114446

00:31:46.484 --> 00:31:48.536 medications for opioid use disorder are

NOTE Confidence: 0.964114446

00:31:48.536 --> 00:31:50.799 provided to patients in these settings,

NOTE Confidence: 0.964114446

00:31:50.800 --> 00:31:52.692 particularly if they have

NOTE Confidence: 0.964114446

00:31:52.692 --> 00:31:53.638 infective intercarditis.

NOTE Confidence: 0.964114446

00:31:53.640 --> 00:31:54.880 And hopefully by doing so,

NOTE Confidence: 0.964114446

00:31:54.880 --> 00:31:58.578 we can change the story Samantha's story.

NOTE Confidence: 0.964114446

00:31:58.578 --> 00:32:01.161 And so maybe it'll be a comeback

NOTE Confidence: 0.964114446

00:32:01.161 --> 00:32:03.117 story instead of a sad story.

NOTE Confidence: 0.964114446

00:32:03.120 --> 00:32:04.570 Yale New Haven Hospital likes  
NOTE Confidence: 0.964114446

00:32:04.570 --> 00:32:05.440 their comeback stories.  
NOTE Confidence: 0.964114446

00:32:05.440 --> 00:32:07.984 So a dream of mine is, you know,  
NOTE Confidence: 0.964114446

00:32:07.984 --> 00:32:10.045 I'm driving down 95 and I'm going to  
NOTE Confidence: 0.964114446

00:32:10.045 --> 00:32:11.754 see this comeback story and it's going  
NOTE Confidence: 0.964114446

00:32:11.754 --> 00:32:13.630 to say after treating her opioid use  
NOTE Confidence: 0.964114446

00:32:13.630 --> 00:32:15.240 disorder and infected intercratitis,  
NOTE Confidence: 0.964114446

00:32:15.240 --> 00:32:17.180 Samantha came back faster.  
NOTE Confidence: 0.964114446

00:32:17.180 --> 00:32:18.635 So thank you.  
NOTE Confidence: 0.85990506

00:32:27.680 --> 00:32:29.318 Thank you very much, Doctor Weimer,  
NOTE Confidence: 0.725763759090909

00:32:32.880 --> 00:32:33.900 Karen had posted briefly.  
NOTE Confidence: 0.725763759090909

00:32:33.900 --> 00:32:35.800 We saw it up there real small.  
NOTE Confidence: 0.725763759090909

00:32:35.800 --> 00:32:37.532 I saw it in front. The CME code.  
NOTE Confidence: 0.725763759090909

00:32:37.532 --> 00:32:39.520 For those of you in the room,  
NOTE Confidence: 0.725763759090909

00:32:39.520 --> 00:32:41.200 the folks on Zoom probably got it,  
NOTE Confidence: 0.725763759090909

00:32:41.200 --> 00:32:42.446 but could you say again out loud

NOTE Confidence: 0.725763759090909  
00:32:42.446 --> 00:32:43.702 what that CME code is in case  
NOTE Confidence: 0.725763759090909  
00:32:43.702 --> 00:32:44.999 anyone in the room is trying to use  
NOTE Confidence: 0.9357371  
00:32:47.760 --> 00:32:51.120 it? 40970 All right.  
NOTE Confidence: 0.9357371  
00:32:51.120 --> 00:32:53.600 I'm gonna try it. Sounds good.  
NOTE Confidence: 0.90630151  
00:32:56.720 --> 00:32:59.318 Thank you, Karen.  
NOTE Confidence: 0.90630151  
00:32:59.320 --> 00:33:01.630 Our second speaker tonight is the  
NOTE Confidence: 0.90630151  
00:33:01.630 --> 00:33:02.976 associate director, of course,  
NOTE Confidence: 0.90630151  
00:33:02.976 --> 00:33:04.416 of the Program for Biomedical  
NOTE Confidence: 0.90630151  
00:33:04.416 --> 00:33:06.076 Ethics here at Yale. Dr.  
NOTE Confidence: 0.90630151  
00:33:06.076 --> 00:33:08.456 Sarah Hall completed her undergraduate  
NOTE Confidence: 0.90630151  
00:33:08.456 --> 00:33:10.360 education at Harvard University,  
NOTE Confidence: 0.90630151  
00:33:10.360 --> 00:33:13.000 where she got an AB in biochemical sciences.  
NOTE Confidence: 0.90630151  
00:33:13.000 --> 00:33:15.298 She earned a master's of bioethics  
NOTE Confidence: 0.90630151  
00:33:15.298 --> 00:33:17.212 along with her medical degree  
NOTE Confidence: 0.90630151  
00:33:17.212 --> 00:33:18.880 at Penn where she remained for  
NOTE Confidence: 0.90630151

00:33:18.880 --> 00:33:19.920 her internal medicine residency.

NOTE Confidence: 0.90630151

00:33:19.920 --> 00:33:21.792 Then she course she came here to Yale

NOTE Confidence: 0.90630151

00:33:21.792 --> 00:33:23.898 for a cardiology fellowship and after

NOTE Confidence: 0.90630151

00:33:23.898 --> 00:33:25.888 completing her training in 2014,

NOTE Confidence: 0.90630151

00:33:25.888 --> 00:33:27.931 she joined the faculty. Dr.

NOTE Confidence: 0.90630151

00:33:27.931 --> 00:33:29.986 Hull is a board certified

NOTE Confidence: 0.90630151

00:33:29.986 --> 00:33:31.219 cardiologist and echocardiographer

NOTE Confidence: 0.90630151

00:33:31.219 --> 00:33:33.666 whose clinical practices focused on

NOTE Confidence: 0.90630151

00:33:33.666 --> 00:33:35.634 echocardiography and cardio oncology,

NOTE Confidence: 0.90630151

00:33:35.640 --> 00:33:37.680 which is to say the cardiac

NOTE Confidence: 0.90630151

00:33:37.680 --> 00:33:39.040 care of cancer patients.

NOTE Confidence: 0.90630151

00:33:39.040 --> 00:33:40.348 She is the cardiology course director

NOTE Confidence: 0.90630151

00:33:40.348 --> 00:33:41.719 here at Yale School of Medicine.

NOTE Confidence: 0.90630151

00:33:41.720 --> 00:33:43.547 So I assume you guys either know her or

NOTE Confidence: 0.90630151

00:33:43.547 --> 00:33:45.115 you're going to know her pretty soon.

NOTE Confidence: 0.90630151

00:33:45.120 --> 00:33:45.920 So don't say anything to



NOTE Confidence: 0.90630151

00:33:45.920 --> 00:33:46.758 \*\*\*\*\* her off tonight.

NOTE Confidence: 0.894753195

00:33:49.640 --> 00:33:51.800 And of course she's the associate

NOTE Confidence: 0.894753195

00:33:51.800 --> 00:33:53.240 director of our program.

NOTE Confidence: 0.894753195

00:33:53.240 --> 00:33:54.748 Sarah's is is highly

NOTE Confidence: 0.894753195

00:33:54.748 --> 00:33:55.879 accomplished in cardiology,

NOTE Confidence: 0.894753195

00:33:55.880 --> 00:33:57.220 certainly in cardiac oncology,

NOTE Confidence: 0.894753195

00:33:57.220 --> 00:33:59.230 but also in particular in the

NOTE Confidence: 0.894753195

00:33:59.290 --> 00:34:00.798 field of biomedical ethics.

NOTE Confidence: 0.894753195

00:34:00.800 --> 00:34:02.656 So bringing her interests

NOTE Confidence: 0.894753195

00:34:02.656 --> 00:34:03.670 together is perfect.

NOTE Confidence: 0.894753195

00:34:03.670 --> 00:34:05.595 This is the perfect setting for that.

NOTE Confidence: 0.894753195

00:34:05.600 --> 00:34:06.979 We're delighted to have a few minutes

NOTE Confidence: 0.894753195

00:34:06.979 --> 00:34:08.240 to listen to Doctor Sarah Ho.

NOTE Confidence: 0.894753195

00:34:08.240 --> 00:34:08.440 Thanks.

NOTE Confidence: 0.883552398

00:34:15.840 --> 00:34:19.040 Can everyone hear me? OK, great.

NOTE Confidence: 0.883552398

00:34:19.040 --> 00:34:21.910 Thank you for that very kind introduction  
NOTE Confidence: 0.883552398

00:34:21.910 --> 00:34:23.676 and thanks again to my colleague Dr.  
NOTE Confidence: 0.883552398

00:34:23.680 --> 00:34:25.120 Weimer for that incredible talk.  
NOTE Confidence: 0.883552398

00:34:25.120 --> 00:34:26.936 I I have to say that is it's  
NOTE Confidence: 0.883552398

00:34:26.936 --> 00:34:28.996 going to be a tough act to follow.  
NOTE Confidence: 0.883552398

00:34:29.000 --> 00:34:32.060 But I I'm going to try to piggyback on  
NOTE Confidence: 0.883552398

00:34:32.060 --> 00:34:35.248 a lot of the the points that she raised  
NOTE Confidence: 0.883552398

00:34:35.248 --> 00:34:38.057 you know with with some ethical analysis  
NOTE Confidence: 0.883552398

00:34:38.057 --> 00:34:40.745 to think about and challenge some of  
NOTE Confidence: 0.883552398

00:34:40.745 --> 00:34:42.840 the the more historical assumptions  
NOTE Confidence: 0.883552398

00:34:42.840 --> 00:34:45.480 about the treatment of this disease.  
NOTE Confidence: 0.883552398

00:34:45.480 --> 00:34:47.568 And what might be a a more ethical  
NOTE Confidence: 0.883552398

00:34:47.568 --> 00:34:49.679 and and also more medically accurate  
NOTE Confidence: 0.883552398

00:34:49.679 --> 00:34:52.395 way to to approach the treatment of  
NOTE Confidence: 0.883552398

00:34:52.395 --> 00:34:54.260 injection drug use related infective  
NOTE Confidence: 0.883552398

00:34:54.260 --> 00:34:57.200 endocarditis or as I will also say IDU i.e.

NOTE Confidence: 0.883552398

00:34:57.200 --> 00:35:00.200 because that is quite a mouthful.

NOTE Confidence: 0.883552398

00:35:00.200 --> 00:35:02.680 So I do not hey,

NOTE Confidence: 0.883552398

00:35:02.680 --> 00:35:04.280 one second let me this will be better.

NOTE Confidence: 0.969591403333333

00:35:06.760 --> 00:35:07.279 I have no

NOTE Confidence: 0.89823052

00:35:07.280 --> 00:35:08.880 conflicts of interest to disclose,

NOTE Confidence: 0.859582048888889

00:35:09.920 --> 00:35:12.839 but I will disclose that Doctor Wyman

NOTE Confidence: 0.859582048888889

00:35:12.839 --> 00:35:15.888 and I in addition to some other members

NOTE Confidence: 0.859582048888889

00:35:15.888 --> 00:35:20.040 of the meet that that she mentioned last

NOTE Confidence: 0.859582048888889

00:35:20.040 --> 00:35:22.840 year published this piece reviewing a lot

NOTE Confidence: 0.859582048888889

00:35:22.840 --> 00:35:24.880 of what I'm going to talk about today.

NOTE Confidence: 0.859582048888889

00:35:24.880 --> 00:35:27.238 So you can see that for for further details.

NOTE Confidence: 0.859582048888889

00:35:27.240 --> 00:35:29.440 So most of this is pulled from there.

NOTE Confidence: 0.859582048888889

00:35:29.440 --> 00:35:33.056 So just very briefly going through

NOTE Confidence: 0.859582048888889

00:35:33.056 --> 00:35:34.784 just some introductory points that I'm

NOTE Confidence: 0.859582048888889

00:35:34.784 --> 00:35:36.662 not going to belabor because Doctor

NOTE Confidence: 0.859582048888889

00:35:36.662 --> 00:35:38.232 Weimer covered them so beautifully.  
NOTE Confidence: 0.859582048888889

00:35:38.240 --> 00:35:40.050 Ongoing opiate, the ongoing opioid  
NOTE Confidence: 0.859582048888889

00:35:40.050 --> 00:35:42.343 epidemic has precipitated a a really  
NOTE Confidence: 0.859582048888889

00:35:42.343 --> 00:35:44.019 strikingly increasing burden of  
NOTE Confidence: 0.859582048888889

00:35:44.019 --> 00:35:46.114 injection drug use related infected  
NOTE Confidence: 0.859582048888889

00:35:46.176 --> 00:35:47.846 endocarditis and which actually now  
NOTE Confidence: 0.859582048888889

00:35:47.846 --> 00:35:50.416 accounts for a third of all valve  
NOTE Confidence: 0.859582048888889

00:35:50.416 --> 00:35:52.656 surgeries performed for endocarditis in  
NOTE Confidence: 0.859582048888889

00:35:52.656 --> 00:35:55.959 the US which is just staggeringly huge.  
NOTE Confidence: 0.859582048888889

00:35:55.960 --> 00:35:58.577 Like with many chronic diseases there  
NOTE Confidence: 0.859582048888889

00:35:58.577 --> 00:36:00.599 that are relapsing remitting in nature,  
NOTE Confidence: 0.859582048888889

00:36:00.600 --> 00:36:02.889 there is a high risk of recurrence  
NOTE Confidence: 0.859582048888889

00:36:02.889 --> 00:36:05.230 in these patients that often can  
NOTE Confidence: 0.859582048888889

00:36:05.230 --> 00:36:06.954 require repeat valve replacement.  
NOTE Confidence: 0.859582048888889

00:36:06.960 --> 00:36:09.312 And at least historically we've often  
NOTE Confidence: 0.859582048888889

00:36:09.312 --> 00:36:11.723 heard of of reoperation being denied

NOTE Confidence: 0.859582048888889  
00:36:11.723 --> 00:36:14.039 on the basis of purported futility,  
NOTE Confidence: 0.859582048888889  
00:36:14.040 --> 00:36:16.049 which we're going to touch upon a  
NOTE Confidence: 0.859582048888889  
00:36:16.049 --> 00:36:18.057 little bit later given the increased  
NOTE Confidence: 0.859582048888889  
00:36:18.057 --> 00:36:20.235 risk of recurrent injection drug use.  
NOTE Confidence: 0.859582048888889  
00:36:20.240 --> 00:36:20.320 All  
NOTE Confidence: 0.878623900769231  
00:36:22.680 --> 00:36:24.871 right. So let's talk again a little  
NOTE Confidence: 0.878623900769231  
00:36:24.871 --> 00:36:27.158 bit about the nature of addiction.  
NOTE Confidence: 0.878623900769231  
00:36:27.160 --> 00:36:28.522 I won't belabor this because Doctor  
NOTE Confidence: 0.878623900769231  
00:36:28.522 --> 00:36:29.760 Weimer covered it so nicely.  
NOTE Confidence: 0.878623900769231  
00:36:29.760 --> 00:36:31.392 But again, focusing on the definition  
NOTE Confidence: 0.878623900769231  
00:36:31.392 --> 00:36:33.696 of addiction as a treatable and chronic  
NOTE Confidence: 0.878623900769231  
00:36:33.696 --> 00:36:35.626 medical disease that involves complex  
NOTE Confidence: 0.878623900769231  
00:36:35.626 --> 00:36:37.200 interactions among brain circuits,  
NOTE Confidence: 0.878623900769231  
00:36:37.200 --> 00:36:39.048 genetics, the environment and  
NOTE Confidence: 0.878623900769231  
00:36:39.048 --> 00:36:40.434 individual life experiences.  
NOTE Confidence: 0.878623900769231

00:36:40.440 --> 00:36:41.920 So addiction's a medical disease  
NOTE Confidence: 0.7945163

00:36:44.680 --> 00:36:46.422 too often, I I think.  
NOTE Confidence: 0.7945163

00:36:46.422 --> 00:36:49.674 And and this is slowly changing,  
NOTE Confidence: 0.7945163

00:36:49.680 --> 00:36:51.880 but I think it's too often treated implicitly  
NOTE Confidence: 0.7945163

00:36:51.880 --> 00:36:54.236 if not explicitly as as a moral failing.  
NOTE Confidence: 0.7945163

00:36:54.240 --> 00:36:56.211 I I think we've gotten to a point where  
NOTE Confidence: 0.7945163

00:36:56.211 --> 00:36:58.312 it's not often explicitly cast in that way.  
NOTE Confidence: 0.7945163

00:36:58.312 --> 00:37:00.235 But I I think there's still a lot  
NOTE Confidence: 0.7945163

00:37:00.235 --> 00:37:02.412 of implicit bias in the way that we  
NOTE Confidence: 0.7945163

00:37:02.412 --> 00:37:03.797 speak about about these patients.  
NOTE Confidence: 0.7945163

00:37:03.800 --> 00:37:06.544 And you know I've learned so much  
NOTE Confidence: 0.7945163

00:37:06.544 --> 00:37:09.044 from Doctor Weimer and and I'm sure  
NOTE Confidence: 0.7945163

00:37:09.044 --> 00:37:11.424 I was guilty of this at at at times  
NOTE Confidence: 0.7945163

00:37:11.424 --> 00:37:13.242 as well because it's so the the the  
NOTE Confidence: 0.7945163

00:37:13.242 --> 00:37:14.832 what makes implicit bias so pernicious  
NOTE Confidence: 0.7945163

00:37:14.832 --> 00:37:16.664 is that of course you're not you're

NOTE Confidence: 0.7945163

00:37:16.664 --> 00:37:19.312 not aware of it because it's so baked

NOTE Confidence: 0.7945163

00:37:19.312 --> 00:37:21.632 into the the systemic limitations

NOTE Confidence: 0.7945163

00:37:21.632 --> 00:37:24.880 and discrimination that exist.

NOTE Confidence: 0.7945163

00:37:24.880 --> 00:37:27.292 And you know I I also think that

NOTE Confidence: 0.7945163

00:37:27.292 --> 00:37:29.336 that part of the reason that that

NOTE Confidence: 0.7945163

00:37:29.336 --> 00:37:31.628 the stigma has been so persistent is

NOTE Confidence: 0.7945163

00:37:31.628 --> 00:37:34.530 because the the nature of addiction

NOTE Confidence: 0.7945163

00:37:34.530 --> 00:37:37.672 is so it's it can be so devastating

NOTE Confidence: 0.7945163

00:37:37.672 --> 00:37:39.520 that that we often have.

NOTE Confidence: 0.7945163

00:37:39.520 --> 00:37:41.844 This has been well described in in

NOTE Confidence: 0.7945163

00:37:41.844 --> 00:37:44.079 in psychology that you know that we

NOTE Confidence: 0.7945163

00:37:44.079 --> 00:37:46.160 have a cognitive bias to think that

NOTE Confidence: 0.7945163

00:37:46.160 --> 00:37:48.560 when really terrible things happen

NOTE Confidence: 0.7945163

00:37:48.560 --> 00:37:50.510 they we want to think that they

NOTE Confidence: 0.7945163

00:37:50.510 --> 00:37:52.160 don't happen to quote good people.

NOTE Confidence: 0.7945163

00:37:52.160 --> 00:37:54.278 Because the idea that this kind  
NOTE Confidence: 0.7945163

00:37:54.278 --> 00:37:56.160 of thing could happen to me,  
NOTE Confidence: 0.7945163

00:37:56.160 --> 00:37:57.705 that's so terrifying that we don't  
NOTE Confidence: 0.7945163

00:37:57.705 --> 00:37:59.000 want to think about that, that that's,  
NOTE Confidence: 0.7945163

00:37:59.000 --> 00:38:00.608 you know, that's why, for example,  
NOTE Confidence: 0.7945163

00:38:00.608 --> 00:38:02.596 there's a lot of stigma against poverty.  
NOTE Confidence: 0.7945163

00:38:02.600 --> 00:38:04.838 This idea that, well, you know,  
NOTE Confidence: 0.7945163

00:38:04.840 --> 00:38:06.352 these people are in poverty because  
NOTE Confidence: 0.7945163

00:38:06.352 --> 00:38:07.360 they made bad choices,  
NOTE Confidence: 0.7945163

00:38:07.360 --> 00:38:09.580 not because they were constrained  
NOTE Confidence: 0.7945163

00:38:09.580 --> 00:38:11.356 by different life circumstances,  
NOTE Confidence: 0.7945163

00:38:11.360 --> 00:38:14.318 because it's it's very, it's it,  
NOTE Confidence: 0.7945163

00:38:14.320 --> 00:38:15.616 there's a lot of cognitive distance  
NOTE Confidence: 0.7945163

00:38:15.616 --> 00:38:17.080 that comes from and a lot of fear,  
NOTE Confidence: 0.7945163

00:38:17.080 --> 00:38:18.879 frankly, that comes from the idea that,  
NOTE Confidence: 0.7945163

00:38:18.880 --> 00:38:20.320 you know, if if I,



NOTE Confidence: 0.7945163

00:38:20.320 --> 00:38:22.866 if it were not for these accidents

NOTE Confidence: 0.7945163

00:38:22.866 --> 00:38:23.398 of fortune,

NOTE Confidence: 0.7945163

00:38:23.398 --> 00:38:25.560 maybe I would have ended up like this.

NOTE Confidence: 0.7945163

00:38:25.560 --> 00:38:26.320 For a lot of people,

NOTE Confidence: 0.7945163

00:38:26.320 --> 00:38:27.830 that's that's just too harrowing

NOTE Confidence: 0.7945163

00:38:27.830 --> 00:38:28.434 to contemplate.

NOTE Confidence: 0.7945163

00:38:28.440 --> 00:38:30.051 And it's easier to think, well,

NOTE Confidence: 0.7945163

00:38:30.051 --> 00:38:32.757 I would never be like this.

NOTE Confidence: 0.7945163

00:38:32.760 --> 00:38:33.280 And so I think we,

NOTE Confidence: 0.7945163

00:38:33.280 --> 00:38:34.520 we really need to interrogate

NOTE Confidence: 0.7945163

00:38:34.520 --> 00:38:35.512 that within ourselves the,

NOTE Confidence: 0.7945163

00:38:35.520 --> 00:38:38.520 the discomfort that that we feel

NOTE Confidence: 0.7945163

00:38:38.520 --> 00:38:40.192 realizing that, you know, no,

NOTE Confidence: 0.7945163

00:38:40.192 --> 00:38:41.979 no one chooses to have an addiction, right.

NOTE Confidence: 0.7945163

00:38:41.979 --> 00:38:42.636 That's not some.

NOTE Confidence: 0.7945163

00:38:42.636 --> 00:38:44.200 That's not a goal that people have.  
NOTE Confidence: 0.7945163

00:38:44.200 --> 00:38:47.000 They they fall into that.  
NOTE Confidence: 0.7945163

00:38:47.000 --> 00:38:49.572 Now you can say, well, you know,  
NOTE Confidence: 0.7945163

00:38:49.572 --> 00:38:51.036 addiction is, you know,  
NOTE Confidence: 0.7945163

00:38:51.040 --> 00:38:52.790 it at least begins as the result  
NOTE Confidence: 0.7945163

00:38:52.790 --> 00:38:54.040 of of unwise choices.  
NOTE Confidence: 0.7945163

00:38:54.040 --> 00:38:56.020 Even if once you are struggling  
NOTE Confidence: 0.7945163

00:38:56.020 --> 00:38:56.680 with addiction,  
NOTE Confidence: 0.7945163

00:38:56.680 --> 00:38:57.056 you know,  
NOTE Confidence: 0.7945163

00:38:57.056 --> 00:38:58.560 it's no longer really a choice to use.  
NOTE Confidence: 0.7945163

00:38:58.560 --> 00:39:03.038 And OK that's that's fair to an extent.  
NOTE Confidence: 0.7945163

00:39:03.040 --> 00:39:05.753 But I think that number one again  
NOTE Confidence: 0.7945163

00:39:05.753 --> 00:39:07.985 we have to recognize that that  
NOTE Confidence: 0.7945163

00:39:07.985 --> 00:39:09.840 while free will is important to the  
NOTE Confidence: 0.7945163

00:39:09.840 --> 00:39:11.879 degree of free will that you have  
NOTE Confidence: 0.7945163

00:39:11.879 --> 00:39:13.334 is typically constrained by the

NOTE Confidence: 0.7945163

00:39:13.392 --> 00:39:14.952 systemic limitations in which you

NOTE Confidence: 0.7945163

00:39:14.952 --> 00:39:16.811 live in which you've been raised

NOTE Confidence: 0.7945163

00:39:16.811 --> 00:39:18.557 in which you continue to operate.

NOTE Confidence: 0.7945163

00:39:18.560 --> 00:39:22.240 And realizing that that often

NOTE Confidence: 0.7945163

00:39:22.240 --> 00:39:23.545 people's it's really hard to

NOTE Confidence: 0.7945163

00:39:23.545 --> 00:39:24.850 understand why people make the

NOTE Confidence: 0.8693314175

00:39:24.902 --> 00:39:26.407 choices they do not understanding

NOTE Confidence: 0.8693314175

00:39:26.407 --> 00:39:27.912 the circumstances that they're in.

NOTE Confidence: 0.83819042

00:39:29.040 --> 00:39:31.640 And I and I think equally importantly

NOTE Confidence: 0.82383775

00:39:31.640 --> 00:39:32.912 the the same can be said

NOTE Confidence: 0.82383775

00:39:32.912 --> 00:39:33.760 of many chronic diseases.

NOTE Confidence: 0.82383775

00:39:33.760 --> 00:39:35.560 You know certainly in the United

NOTE Confidence: 0.82383775

00:39:35.560 --> 00:39:37.468 States and in the developed world

NOTE Confidence: 0.82383775

00:39:37.468 --> 00:39:39.412 most of the diseases that we

NOTE Confidence: 0.82383775

00:39:39.412 --> 00:39:41.440 treat are diseases of lifestyle.

NOTE Confidence: 0.82383775

00:39:41.440 --> 00:39:43.512 The the number one cause of of  
NOTE Confidence: 0.82383775

00:39:43.512 --> 00:39:45.602 mortality in the US and worldwide  
NOTE Confidence: 0.82383775

00:39:45.602 --> 00:39:47.492 is cardiovascular disease And of  
NOTE Confidence: 0.82383775

00:39:47.492 --> 00:39:49.988 course I'm a cardiologist you know  
NOTE Confidence: 0.82383775

00:39:49.988 --> 00:39:51.958 a lot of cardiovascular disease  
NOTE Confidence: 0.82383775

00:39:51.958 --> 00:39:54.583 is the result of an unhealthy  
NOTE Confidence: 0.82383775

00:39:54.583 --> 00:39:57.812 lifestyle and and I often we we,  
NOTE Confidence: 0.82383775

00:39:57.812 --> 00:40:00.080 we sort of use that term interchangeably  
NOTE Confidence: 0.82383775

00:40:00.142 --> 00:40:02.158 with unhealthy lifestyle choices.  
NOTE Confidence: 0.82383775

00:40:02.160 --> 00:40:03.896 But I want to be careful about even  
NOTE Confidence: 0.82383775

00:40:03.896 --> 00:40:05.466 using that term because we also again  
NOTE Confidence: 0.82383775

00:40:05.466 --> 00:40:07.378 we live in a system that really makes  
NOTE Confidence: 0.82383775

00:40:07.378 --> 00:40:08.932 it the path of greatest resistance  
NOTE Confidence: 0.82383775

00:40:08.932 --> 00:40:10.864 to make the healthiest choices.  
NOTE Confidence: 0.82383775

00:40:10.864 --> 00:40:13.912 And you know often the default pathway  
NOTE Confidence: 0.82383775

00:40:13.912 --> 00:40:16.786 is eating unhealthy processed food not

NOTE Confidence: 0.82383775

00:40:16.786 --> 00:40:19.360 getting enough fruits and vegetables.

NOTE Confidence: 0.82383775

00:40:19.360 --> 00:40:21.792 You know, we we've come a long way

NOTE Confidence: 0.82383775

00:40:21.792 --> 00:40:23.918 with with with tobacco smoking,

NOTE Confidence: 0.82383775

00:40:23.920 --> 00:40:25.635 but you know the lack of physical

NOTE Confidence: 0.82383775

00:40:25.635 --> 00:40:26.840 activity and a lack of.

NOTE Confidence: 0.82383775

00:40:26.840 --> 00:40:27.456 Access,

NOTE Confidence: 0.82383775

00:40:27.456 --> 00:40:30.368 whether spatial or financial or

NOTE Confidence: 0.82383775

00:40:30.368 --> 00:40:32.160 educational to healthy patterns

NOTE Confidence: 0.82383775

00:40:32.160 --> 00:40:34.400 of eating is is really,

NOTE Confidence: 0.82383775

00:40:34.400 --> 00:40:36.080 I would argue another epidemic

NOTE Confidence: 0.82383775

00:40:36.080 --> 00:40:38.056 that our society is dealing with

NOTE Confidence: 0.82383775

00:40:38.056 --> 00:40:40.940 and yet we we that doesn't carry

NOTE Confidence: 0.82383775

00:40:40.940 --> 00:40:43.740 the same stigma that that patients

NOTE Confidence: 0.82383775

00:40:43.740 --> 00:40:45.640 with addict addiction often face.

NOTE Confidence: 0.82383775

00:40:45.640 --> 00:40:47.964 And so it's really important I think

NOTE Confidence: 0.82383775

00:40:47.964 --> 00:40:50.552 that you know we we understand that  
NOTE Confidence: 0.82383775

00:40:50.552 --> 00:40:52.826 that just because someone is making  
NOTE Confidence: 0.82383775

00:40:52.897 --> 00:40:55.505 a choice that maybe is not in their  
NOTE Confidence: 0.82383775

00:40:55.505 --> 00:40:57.567 best interest that really doesn't  
NOTE Confidence: 0.82383775

00:40:57.567 --> 00:41:00.381 have any bearing on our professional  
NOTE Confidence: 0.82383775

00:41:00.381 --> 00:41:02.164 responsibility as physicians or  
NOTE Confidence: 0.82383775

00:41:02.164 --> 00:41:04.244 as other clinicians or healthcare  
NOTE Confidence: 0.82383775

00:41:04.244 --> 00:41:06.479 providers or a society really to  
NOTE Confidence: 0.82383775

00:41:06.479 --> 00:41:08.432 make sure that we treat patients with  
NOTE Confidence: 0.82383775

00:41:08.432 --> 00:41:09.939 both compassion and with evidence  
NOTE Confidence: 0.82383775

00:41:09.939 --> 00:41:11.434 based intervention such as those  
NOTE Confidence: 0.82383775

00:41:11.434 --> 00:41:13.280 that that Doctor Weimer discussed.  
NOTE Confidence: 0.907816278333333

00:41:15.320 --> 00:41:17.581 And you know, if we are interested  
NOTE Confidence: 0.907816278333333

00:41:17.581 --> 00:41:19.440 in talking about poor choices,  
NOTE Confidence: 0.907816278333333

00:41:19.440 --> 00:41:21.620 then I think we would be remiss if  
NOTE Confidence: 0.907816278333333

00:41:21.620 --> 00:41:23.347 we didn't mention the fact that the

NOTE Confidence: 0.907816278333333

00:41:23.347 --> 00:41:25.482 opioid addiction crisis has been

NOTE Confidence: 0.907816278333333

00:41:25.482 --> 00:41:28.119 largely fueled by misleading claims by

NOTE Confidence: 0.907816278333333

00:41:28.119 --> 00:41:30.274 both by the Pharmaceutical industry.

NOTE Confidence: 0.907816278333333

00:41:30.280 --> 00:41:32.074 I'm sure everyone's heard about what

NOTE Confidence: 0.907816278333333

00:41:32.074 --> 00:41:33.760 what's happened with the Sacklers.

NOTE Confidence: 0.907816278333333

00:41:33.760 --> 00:41:35.503 And you know, the fact that when

NOTE Confidence: 0.907816278333333

00:41:35.503 --> 00:41:37.200 you're only faced with paying fines,

NOTE Confidence: 0.907816278333333

00:41:37.200 --> 00:41:38.940 when you have what seemed like

NOTE Confidence: 0.907816278333333

00:41:38.940 --> 00:41:41.037 bottomless pits of money and there are

NOTE Confidence: 0.907816278333333

00:41:41.037 --> 00:41:42.795 no real consequences like jail time.

NOTE Confidence: 0.907816278333333

00:41:42.800 --> 00:41:45.249 It's it's kind of striking the

NOTE Confidence: 0.907816278333333

00:41:45.249 --> 00:41:47.223 lack of consequences that that some

NOTE Confidence: 0.907816278333333

00:41:47.223 --> 00:41:49.142 people face versus the the incredible

NOTE Confidence: 0.907816278333333

00:41:49.142 --> 00:41:50.897 consequences that result from not

NOTE Confidence: 0.907816278333333

00:41:50.897 --> 00:41:53.004 just the the scourge of addiction

NOTE Confidence: 0.907816278333333

00:41:53.004 --> 00:41:54.996 but also the stigma that exists  
NOTE Confidence: 0.9078162783333333

00:41:55.000 --> 00:41:56.792 and the often the lack of resources  
NOTE Confidence: 0.9078162783333333

00:41:56.792 --> 00:41:58.639 that it that exists to treat it.  
NOTE Confidence: 0.9078162783333333

00:41:58.640 --> 00:41:59.632 And then of course,  
NOTE Confidence: 0.9078162783333333

00:41:59.632 --> 00:42:00.872 physician over prescribing as well.  
NOTE Confidence: 0.9078162783333333

00:42:00.880 --> 00:42:01.528 You know,  
NOTE Confidence: 0.9078162783333333

00:42:01.528 --> 00:42:03.148 whether that's because physicians were  
NOTE Confidence: 0.9078162783333333

00:42:03.148 --> 00:42:04.972 also misled about the importance of  
NOTE Confidence: 0.9078162783333333

00:42:04.972 --> 00:42:06.676 of adequate pain control versus just  
NOTE Confidence: 0.9078162783333333

00:42:06.676 --> 00:42:08.760 it being the path of least resistance.  
NOTE Confidence: 0.9078162783333333

00:42:08.760 --> 00:42:09.910 When someone asks for something  
NOTE Confidence: 0.9078162783333333

00:42:09.910 --> 00:42:11.318 prescribing it that that's a little  
NOTE Confidence: 0.9078162783333333

00:42:11.318 --> 00:42:12.795 bit beyond the scope of today's talk.  
NOTE Confidence: 0.9078162783333333

00:42:12.800 --> 00:42:15.075 But I think it's important to understand  
NOTE Confidence: 0.9078162783333333

00:42:15.075 --> 00:42:18.670 that the the opioid epidemic is very  
NOTE Confidence: 0.9078162783333333

00:42:18.670 --> 00:42:21.265 multifactorial and isn't simply a



NOTE Confidence: 0.907816278333333

00:42:21.265 --> 00:42:23.785 product of of individual decision making.

NOTE Confidence: 0.907816278333333

00:42:23.785 --> 00:42:26.360 Because like I said people,

NOTE Confidence: 0.907816278333333

00:42:26.360 --> 00:42:28.702 people do not choose this and it's

NOTE Confidence: 0.907816278333333

00:42:28.702 --> 00:42:30.459 really complex how how it happens and

NOTE Confidence: 0.907816278333333

00:42:30.459 --> 00:42:32.317 can vary a lot between individuals.

NOTE Confidence: 0.883634236666667

00:42:34.280 --> 00:42:35.516 So I want to talk about

NOTE Confidence: 0.838528271

00:42:36.520 --> 00:42:38.480 first you know sort of some some

NOTE Confidence: 0.838528271

00:42:38.480 --> 00:42:39.320 justice considerations right.

NOTE Confidence: 0.838528271

00:42:39.320 --> 00:42:41.196 That's one of our kind of main

NOTE Confidence: 0.838528271

00:42:41.196 --> 00:42:42.400 principles in biomedical ethics.

NOTE Confidence: 0.838528271

00:42:42.400 --> 00:42:44.008 We talk about justice or the

NOTE Confidence: 0.838528271

00:42:44.008 --> 00:42:45.376 imperative to treat patients both

NOTE Confidence: 0.838528271

00:42:45.376 --> 00:42:46.560 rationally and fairly right.

NOTE Confidence: 0.838528271

00:42:46.560 --> 00:42:48.100 I've, I've made some comparisons

NOTE Confidence: 0.838528271

00:42:48.100 --> 00:42:49.640 with other chronic diseases and

NOTE Confidence: 0.838528271

00:42:49.697 --> 00:42:50.999 I I will continue to do so.

NOTE Confidence: 0.838528271

00:42:51.000 --> 00:42:54.142 So you know we've argued that PCI

NOTE Confidence: 0.838528271

00:42:54.142 --> 00:42:56.746 stands for percutaneous coronary

NOTE Confidence: 0.838528271

00:42:56.746 --> 00:42:58.516 intervention which is basically

NOTE Confidence: 0.838528271

00:42:58.516 --> 00:43:00.004 angioplasty and stentine for

NOTE Confidence: 0.838528271

00:43:00.004 --> 00:43:02.189 blockages in in heart arteries for

NOTE Confidence: 0.838528271

00:43:02.189 --> 00:43:04.516 the for the non medical audience or

NOTE Confidence: 0.838528271

00:43:04.516 --> 00:43:06.412 for the first year medical students

NOTE Confidence: 0.838528271

00:43:06.412 --> 00:43:08.359 who haven't had homeo basis yet.

NOTE Confidence: 0.838528271

00:43:08.360 --> 00:43:10.980 So you know we are it would be a

NOTE Confidence: 0.838528271

00:43:10.980 --> 00:43:12.840 rational to perform to stent arteries

NOTE Confidence: 0.838528271

00:43:12.840 --> 00:43:14.760 in a patient with stable angina

NOTE Confidence: 0.838528271

00:43:14.760 --> 00:43:16.549 meaning chest pain that's stable not

NOTE Confidence: 0.838528271

00:43:16.549 --> 00:43:18.778 because of you know a heart attack

NOTE Confidence: 0.838528271

00:43:18.778 --> 00:43:20.688 without providing any medical therapy

NOTE Confidence: 0.838528271

00:43:20.688 --> 00:43:22.226 to optimize their hemodynamics,

NOTE Confidence: 0.838528271

00:43:22.226 --> 00:43:24.156 meaning optimizing their blood flow,

NOTE Confidence: 0.838528271

00:43:24.160 --> 00:43:25.126 their blood pressure,

NOTE Confidence: 0.838528271

00:43:25.126 --> 00:43:27.058 their heart function and to prevent

NOTE Confidence: 0.838528271

00:43:27.058 --> 00:43:28.099 underlying disease progression

NOTE Confidence: 0.838528271

00:43:28.099 --> 00:43:29.759 or progression of the plaque.

NOTE Confidence: 0.838528271

00:43:29.760 --> 00:43:31.586 And so basically you know the there

NOTE Confidence: 0.838528271

00:43:31.586 --> 00:43:33.398 are very clear guidelines that yes,

NOTE Confidence: 0.838528271

00:43:33.400 --> 00:43:34.930 you're going to stent someone who's

NOTE Confidence: 0.838528271

00:43:34.930 --> 00:43:36.640 coming in with a heart attack.

NOTE Confidence: 0.838528271

00:43:36.640 --> 00:43:38.999 But in someone with just kind of

NOTE Confidence: 0.838528271

00:43:38.999 --> 00:43:41.007 state chronic stable chest pain it

NOTE Confidence: 0.838528271

00:43:41.007 --> 00:43:43.303 it would be really kind of silly to

NOTE Confidence: 0.838528271

00:43:43.303 --> 00:43:45.613 treat you know a focal manifestation

NOTE Confidence: 0.838528271

00:43:45.613 --> 00:43:47.568 of a systemic disease without

NOTE Confidence: 0.838528271

00:43:47.641 --> 00:43:49.926 providing systemic treatment of that

NOTE Confidence: 0.838528271

00:43:49.926 --> 00:43:52.072 disease with antiplatelet agents,

NOTE Confidence: 0.838528271

00:43:52.072 --> 00:43:54.544 anti hypertensive agents, you know,

NOTE Confidence: 0.838528271

00:43:54.544 --> 00:43:56.180 statin therapy etcetera, etcetera.

NOTE Confidence: 0.838528271

00:43:56.180 --> 00:43:59.952 And so you know similarly as

NOTE Confidence: 0.838528271

00:43:59.952 --> 00:44:01.040 Doctor Weimer said it,

NOTE Confidence: 0.838528271

00:44:01.040 --> 00:44:03.974 it would be crazy kind of it would

NOTE Confidence: 0.838528271

00:44:03.974 --> 00:44:05.809 be irrational really to perform

NOTE Confidence: 0.838528271

00:44:05.809 --> 00:44:07.732 a valve replacement for IDU i.e.

NOTE Confidence: 0.838528271

00:44:07.732 --> 00:44:09.162 without at all addressing the

NOTE Confidence: 0.838528271

00:44:09.162 --> 00:44:11.171 underlying cause of the illness with

NOTE Confidence: 0.838528271

00:44:11.171 --> 00:44:12.635 evidence based addiction treatment.

NOTE Confidence: 0.838528271

00:44:12.640 --> 00:44:13.918 So it's just it you know,

NOTE Confidence: 0.838528271

00:44:13.920 --> 00:44:16.284 I think it's helpful again because

NOTE Confidence: 0.838528271

00:44:16.284 --> 00:44:18.200 there is so much historical stigma

NOTE Confidence: 0.838528271

00:44:18.200 --> 00:44:19.968 about the treatment of addiction and

NOTE Confidence: 0.838528271

00:44:19.968 --> 00:44:21.704 a lot of I think therapeutic nihilism

NOTE Confidence: 0.838528271

00:44:21.704 --> 00:44:23.517 on on behalf of of clinicians.

NOTE Confidence: 0.838528271

00:44:23.520 --> 00:44:26.088 I think it's important to think

NOTE Confidence: 0.838528271

00:44:26.088 --> 00:44:27.828 about maybe comparable conditions

NOTE Confidence: 0.838528271

00:44:27.828 --> 00:44:30.444 in cardiology or in medicine in

NOTE Confidence: 0.838528271

00:44:30.444 --> 00:44:32.692 general to to really go through that

NOTE Confidence: 0.838528271

00:44:32.692 --> 00:44:34.258 thought experiment and and think

NOTE Confidence: 0.838528271

00:44:34.258 --> 00:44:35.772 about why why we would expect things

NOTE Confidence: 0.838528271

00:44:35.772 --> 00:44:37.604 to get better if we don't treat the

NOTE Confidence: 0.838528271

00:44:37.604 --> 00:44:38.829 underlying cause in one condition

NOTE Confidence: 0.838528271

00:44:38.829 --> 00:44:40.279 when when we wouldn't otherwise.

NOTE Confidence: 0.838528271

00:44:40.280 --> 00:44:43.982 So you know furthermore we argue

NOTE Confidence: 0.838528271

00:44:43.982 --> 00:44:46.437 that it's unjust to categorically

NOTE Confidence: 0.838528271

00:44:46.440 --> 00:44:47.938 that there may be some cases where

NOTE Confidence: 0.838528271

00:44:47.938 --> 00:44:49.399 the harm may outweigh the benefit.

NOTE Confidence: 0.838528271

00:44:49.400 --> 00:44:51.717 But just to sort of knee jerk

NOTE Confidence: 0.838528271

00:44:51.717 --> 00:44:53.643 refuse a repeat valve replacement  
NOTE Confidence: 0.838528271

00:44:53.643 --> 00:44:55.988 in a patient with IDID i.e.  
NOTE Confidence: 0.838528271

00:44:55.988 --> 00:44:57.872 when few people would hesitate for  
NOTE Confidence: 0.838528271

00:44:57.872 --> 00:45:00.097 example to perform repeat angioplasty and  
NOTE Confidence: 0.838528271

00:45:00.097 --> 00:45:02.800 stentine in patients who continue to smoke.  
NOTE Confidence: 0.838528271

00:45:02.800 --> 00:45:04.704 We know smoking is a huge risk  
NOTE Confidence: 0.838528271

00:45:04.704 --> 00:45:06.400 factor for coronary artery disease.  
NOTE Confidence: 0.838528271

00:45:06.400 --> 00:45:08.395 But we wouldn't somehow say to someone,  
NOTE Confidence: 0.838528271

00:45:08.400 --> 00:45:09.210 well, you know,  
NOTE Confidence: 0.838528271

00:45:09.210 --> 00:45:10.830 your angina's back and we've got  
NOTE Confidence: 0.838528271

00:45:10.830 --> 00:45:12.144 it's optimized on medications  
NOTE Confidence: 0.838528271

00:45:12.144 --> 00:45:13.799 but you won't quit smoking.  
NOTE Confidence: 0.838528271

00:45:13.800 --> 00:45:16.158 So you know you don't want to help yourself.  
NOTE Confidence: 0.838528271

00:45:16.160 --> 00:45:17.864 So we're not going to put another stent  
NOTE Confidence: 0.838528271

00:45:17.864 --> 00:45:19.958 in you that that that just doesn't happen.  
NOTE Confidence: 0.838528271

00:45:19.960 --> 00:45:20.791 And you know,

NOTE Confidence: 0.838528271

00:45:20.791 --> 00:45:22.730 we we do hear sometimes about the

NOTE Confidence: 0.906492115

00:45:22.793 --> 00:45:24.952 imperative to judiciously allocate resources.

NOTE Confidence: 0.906492115

00:45:24.952 --> 00:45:27.736 But again that that resource you

NOTE Confidence: 0.906492115

00:45:27.736 --> 00:45:30.677 know that in the absence of a truly

NOTE Confidence: 0.906492115

00:45:30.677 --> 00:45:32.721 scarce resource like solid organ

NOTE Confidence: 0.906492115

00:45:32.721 --> 00:45:34.605 transplants or perhaps ventilators

NOTE Confidence: 0.906492115

00:45:34.605 --> 00:45:37.528 in you know at the peak of a COVID

NOTE Confidence: 0.906492115

00:45:37.528 --> 00:45:39.178 pandemic valve replacement isn't like

NOTE Confidence: 0.906492115

00:45:39.178 --> 00:45:42.580 that And so you know we we we don't

NOTE Confidence: 0.906492115

00:45:42.676 --> 00:45:45.360 have to ration prosthetic valves

NOTE Confidence: 0.906492115

00:45:45.360 --> 00:45:47.268 certainly it is important to weigh the

NOTE Confidence: 0.906492115

00:45:47.268 --> 00:45:48.839 risks and benefits in these patients.

NOTE Confidence: 0.906492115

00:45:48.840 --> 00:45:51.080 So it just like we shouldn't knee

NOTE Confidence: 0.906492115

00:45:51.080 --> 00:45:53.952 jerk say well you know we don't we

NOTE Confidence: 0.906492115

00:45:53.952 --> 00:45:55.792 don't do repeat valve replacement

NOTE Confidence: 0.906492115

00:45:55.860 --> 00:45:58.010 in in patients who who continue

NOTE Confidence: 0.906492115

00:45:58.010 --> 00:46:01.400 to inject drugs to it it it

NOTE Confidence: 0.7061801838

00:46:03.920 --> 00:46:05.120 but it's really important to

NOTE Confidence: 0.7061801838

00:46:05.120 --> 00:46:06.838 consider it on a case by case

NOTE Confidence: 0.7061801838

00:46:06.838 --> 00:46:08.248 basis basically and and way that

NOTE Confidence: 0.7061801838

00:46:08.248 --> 00:46:09.918 risk and benefit in in each case.

NOTE Confidence: 0.8456581335

00:46:12.360 --> 00:46:15.285 So moving on to talk about some of the

NOTE Confidence: 0.8456581335

00:46:15.285 --> 00:46:17.534 futility related considerations in in

NOTE Confidence: 0.8456581335

00:46:17.534 --> 00:46:20.312 the in the management of endocarditis.

NOTE Confidence: 0.8456581335

00:46:20.320 --> 00:46:23.384 Futility is a tough term and I know Doctor

NOTE Confidence: 0.8456581335

00:46:23.384 --> 00:46:25.880 Mercurio actually talks about this in

NOTE Confidence: 0.8456581335

00:46:25.962 --> 00:46:28.838 the professional responsibility course

NOTE Confidence: 0.8456581335

00:46:28.840 --> 00:46:30.358 for the first year medical students.

NOTE Confidence: 0.8456581335

00:46:30.360 --> 00:46:32.792 But you know the the question of futility

NOTE Confidence: 0.8456581335

00:46:32.792 --> 00:46:35.006 is very fraud and often often whether

NOTE Confidence: 0.8456581335

00:46:35.006 --> 00:46:37.127 or not something is futile is not



NOTE Confidence: 0.8456581335  
00:46:37.127 --> 00:46:39.324 something intrinsic to with the proposed  
NOTE Confidence: 0.8456581335  
00:46:39.324 --> 00:46:41.159 intervention itself but rather related  
NOTE Confidence: 0.8456581335  
00:46:41.217 --> 00:46:43.393 to what is the goal of that intervention.  
NOTE Confidence: 0.8456581335  
00:46:43.400 --> 00:46:44.620 And so it's really important  
NOTE Confidence: 0.8456581335  
00:46:44.620 --> 00:46:45.840 to keep that in mind.  
NOTE Confidence: 0.8456581335  
00:46:45.840 --> 00:46:46.220 Furthermore,  
NOTE Confidence: 0.8456581335  
00:46:46.220 --> 00:46:49.590 when we argue on the grounds of, you know,  
NOTE Confidence: 0.8456581335  
00:46:49.590 --> 00:46:51.720 what we described as psychosocial futility,  
NOTE Confidence: 0.8456581335  
00:46:51.720 --> 00:46:52.720 in this case, you know,  
NOTE Confidence: 0.8456581335  
00:46:52.720 --> 00:46:53.972 the idea that, well,  
NOTE Confidence: 0.8456581335  
00:46:53.972 --> 00:46:56.240 we don't want to replace the valve  
NOTE Confidence: 0.8456581335  
00:46:56.240 --> 00:46:57.842 because we think the patient's just  
NOTE Confidence: 0.8456581335  
00:46:57.842 --> 00:46:59.599 going to keep using drugs anyway,  
NOTE Confidence: 0.8456581335  
00:46:59.600 --> 00:47:02.264 that that can really again be fraught with  
NOTE Confidence: 0.8456581335  
00:47:02.264 --> 00:47:04.480 implicit bias and with value judgments.  
NOTE Confidence: 0.8456581335

00:47:04.480 --> 00:47:06.472 So any questions of futility  
NOTE Confidence: 0.8456581335

00:47:06.472 --> 00:47:07.720 should really be focused,  
NOTE Confidence: 0.8456581335

00:47:07.720 --> 00:47:09.659 refocused on what are the patient goals  
NOTE Confidence: 0.8456581335

00:47:09.659 --> 00:47:12.011 and then what are the direct risks and  
NOTE Confidence: 0.8456581335

00:47:12.011 --> 00:47:14.000 benefits of the intervention in question.  
NOTE Confidence: 0.8456581335

00:47:14.000 --> 00:47:15.968 So you know if a patient's  
NOTE Confidence: 0.8456581335

00:47:15.968 --> 00:47:17.822 presenting with recurrent IDU i.e.  
NOTE Confidence: 0.8456581335

00:47:17.822 --> 00:47:19.977 And it's complicated by valvular  
NOTE Confidence: 0.8456581335

00:47:19.977 --> 00:47:22.310 dysfunction with heart failure or  
NOTE Confidence: 0.8456581335

00:47:22.310 --> 00:47:24.720 septic emboli or persistent bacteremia,  
NOTE Confidence: 0.8456581335

00:47:24.720 --> 00:47:26.869 and they express the goal of short  
NOTE Confidence: 0.8456581335

00:47:26.869 --> 00:47:28.572 term survival and a willingness  
NOTE Confidence: 0.8456581335

00:47:28.572 --> 00:47:30.372 to engage in addiction treatment  
NOTE Confidence: 0.8456581335

00:47:30.372 --> 00:47:32.519 to address the underlying cause.  
NOTE Confidence: 0.8456581335

00:47:32.520 --> 00:47:34.580 It's really problematic and inaccurate  
NOTE Confidence: 0.8456581335

00:47:34.580 --> 00:47:35.900 to deny surgical intervention

NOTE Confidence: 0.8456581335

00:47:35.900 --> 00:47:37.760 on the grounds of futility.

NOTE Confidence: 0.8456581335

00:47:37.760 --> 00:47:39.440 Unless of course the risk of death

NOTE Confidence: 0.8456581335

00:47:39.440 --> 00:47:40.793 or disability from the intervention

NOTE Confidence: 0.8456581335

00:47:40.793 --> 00:47:42.851 itself outweighs the risk of death or

NOTE Confidence: 0.8456581335

00:47:42.851 --> 00:47:44.593 disability from treating it conservatively

NOTE Confidence: 0.8456581335

00:47:44.593 --> 00:47:45.993 with medical management alone.

NOTE Confidence: 0.901210925217391

00:47:48.280 --> 00:47:50.050 And furthermore, any claim of futility

NOTE Confidence: 0.901210925217391

00:47:50.050 --> 00:47:52.001 is invalid if the patients aren't

NOTE Confidence: 0.901210925217391

00:47:52.001 --> 00:47:54.149 offered or don't receive evidence based

NOTE Confidence: 0.901210925217391

00:47:54.149 --> 00:47:56.239 treatment of the underlying addiction.

NOTE Confidence: 0.901210925217391

00:47:56.240 --> 00:47:57.800 So again, that's like saying,

NOTE Confidence: 0.901210925217391

00:47:57.800 --> 00:48:00.840 you know, it's an intervention,

NOTE Confidence: 0.901210925217391

00:48:00.840 --> 00:48:02.492 another cardiac intervention is

NOTE Confidence: 0.901210925217391

00:48:02.492 --> 00:48:04.557 for coronary diseases is futile.

NOTE Confidence: 0.901210925217391

00:48:04.560 --> 00:48:06.359 Well, the stent didn't fix things well,

NOTE Confidence: 0.901210925217391

00:48:06.360 --> 00:48:07.836 you didn't prescribe them anti platelets.  
NOTE Confidence: 0.901210925217391

00:48:07.840 --> 00:48:09.380 So yeah, they had,  
NOTE Confidence: 0.901210925217391

00:48:09.380 --> 00:48:10.920 they had stent thrombosis.  
NOTE Confidence: 0.901210925217391

00:48:10.920 --> 00:48:12.650 That doesn't mean that the  
NOTE Confidence: 0.901210925217391

00:48:12.650 --> 00:48:14.034 stenting process was futile.  
NOTE Confidence: 0.901210925217391

00:48:14.040 --> 00:48:16.510 It means that the patient's  
NOTE Confidence: 0.901210925217391

00:48:16.510 --> 00:48:18.486 underlying conditions weren't managed  
NOTE Confidence: 0.901210925217391

00:48:18.486 --> 00:48:20.360 appropriately and very predictably.  
NOTE Confidence: 0.901210925217391

00:48:20.360 --> 00:48:22.558 This happened at just like very predictably.  
NOTE Confidence: 0.901210925217391

00:48:22.560 --> 00:48:24.560 If you don't manage someone's  
NOTE Confidence: 0.901210925217391

00:48:24.560 --> 00:48:26.392 addiction at all, they're going,  
NOTE Confidence: 0.901210925217391

00:48:26.392 --> 00:48:28.604 they're very likely going to have a  
NOTE Confidence: 0.901210925217391

00:48:28.604 --> 00:48:30.558 relapse that's that's to be expected.  
NOTE Confidence: 0.901210925217391

00:48:30.560 --> 00:48:32.394 So again, addiction is a chronic illness.  
NOTE Confidence: 0.901210925217391

00:48:32.400 --> 00:48:35.000 I know we keep all the key points.  
NOTE Confidence: 0.901210925217391

00:48:35.000 --> 00:48:36.440 We try to repeat multiple times.

NOTE Confidence: 0.901210925217391

00:48:36.440 --> 00:48:38.114 Addiction is a chronic illness for

NOTE Confidence: 0.901210925217391

00:48:38.114 --> 00:48:39.518 which the potential for relapse

NOTE Confidence: 0.901210925217391

00:48:39.518 --> 00:48:42.473 must be anticipated and just as

NOTE Confidence: 0.901210925217391

00:48:42.473 --> 00:48:43.957 importantly must be mitigated.

NOTE Confidence: 0.901210925217391

00:48:43.960 --> 00:48:45.172 As Doctor Weimer said,

NOTE Confidence: 0.901210925217391

00:48:45.172 --> 00:48:46.384 through these outpatient programs

NOTE Confidence: 0.901210925217391

00:48:46.384 --> 00:48:48.337 for patients are not just started on

NOTE Confidence: 0.901210925217391

00:48:48.337 --> 00:48:49.632 medications but also maintained all

NOTE Confidence: 0.854743675

00:48:51.520 --> 00:48:52.600 right. So what about

NOTE Confidence: 0.970407126

00:48:52.600 --> 00:48:54.160 the concept of autonomy right?

NOTE Confidence: 0.970407126

00:48:54.160 --> 00:48:56.110 Or the right patients rights

NOTE Confidence: 0.970407126

00:48:56.110 --> 00:48:57.280 to self determination?

NOTE Confidence: 0.970407126

00:48:57.280 --> 00:48:59.620 Again, if patients express a

NOTE Confidence: 0.970407126

00:48:59.620 --> 00:49:01.900 sincere desire to recover from their

NOTE Confidence: 0.970407126

00:49:01.900 --> 00:49:04.120 endocarditis and from their addiction,

NOTE Confidence: 0.970407126

00:49:04.120 --> 00:49:05.360 they shouldn't be denied  
NOTE Confidence: 0.970407126

00:49:05.360 --> 00:49:06.600 surgical or intervention that  
NOTE Confidence: 0.970407126

00:49:06.600 --> 00:49:07.840 would otherwise be indicated.  
NOTE Confidence: 0.970407126

00:49:07.840 --> 00:49:09.436 And that's of course in the  
NOTE Confidence: 0.970407126

00:49:09.436 --> 00:49:10.234 absence of contraindications,  
NOTE Confidence: 0.970407126

00:49:10.240 --> 00:49:11.218 right you you,  
NOTE Confidence: 0.970407126

00:49:11.218 --> 00:49:13.174 you don't necessarily have the right  
NOTE Confidence: 0.970407126

00:49:13.174 --> 00:49:15.415 to to insist upon a treatment if if  
NOTE Confidence: 0.970407126

00:49:15.415 --> 00:49:17.543 the risk of that treatment clearly  
NOTE Confidence: 0.970407126

00:49:17.543 --> 00:49:20.075 outweighs the benefit of that treatment.  
NOTE Confidence: 0.970407126

00:49:20.080 --> 00:49:22.270 But we're talking about medical  
NOTE Confidence: 0.970407126

00:49:22.270 --> 00:49:24.022 or surgical contraindications to  
NOTE Confidence: 0.970407126

00:49:24.022 --> 00:49:26.810 that surgery itself, not not,  
NOTE Confidence: 0.970407126

00:49:26.810 --> 00:49:30.800 not predictions of potential for relapse,  
NOTE Confidence: 0.970407126

00:49:30.800 --> 00:49:34.040 again without treating the underlying cause.  
NOTE Confidence: 0.970407126

00:49:34.040 --> 00:49:35.876 And then as as we heard earlier as well,

NOTE Confidence: 0.970407126

00:49:35.880 --> 00:49:38.655 patients unwilling to accept certain

NOTE Confidence: 0.970407126

00:49:38.655 --> 00:49:40.875 medical or surgical treatments,

NOTE Confidence: 0.970407126

00:49:40.880 --> 00:49:42.992 we should still offer certain treatments

NOTE Confidence: 0.970407126

00:49:42.992 --> 00:49:45.300 that they might be willing to accept

NOTE Confidence: 0.970407126

00:49:45.300 --> 00:49:47.742 and avoid this sort of all or nothing

NOTE Confidence: 0.970407126

00:49:47.742 --> 00:49:50.230 stance because there's still a lot of

NOTE Confidence: 0.970407126

00:49:50.230 --> 00:49:52.264 harm reduction that we can provide.

NOTE Confidence: 0.970407126

00:49:52.264 --> 00:49:54.848 And in addition to the mitigation of

NOTE Confidence: 0.970407126

00:49:54.848 --> 00:49:56.840 some medical complications especially

NOTE Confidence: 0.970407126

00:49:56.840 --> 00:49:58.832 for less advanced endocarditis.

NOTE Confidence: 0.970407126

00:49:58.840 --> 00:49:59.998 That being said,

NOTE Confidence: 0.970407126

00:50:00.000 --> 00:50:01.650 you know as as we've discussed

NOTE Confidence: 0.970407126

00:50:01.650 --> 00:50:03.332 autonomy doesn't mean you can do

NOTE Confidence: 0.970407126

00:50:03.332 --> 00:50:04.916 whatever you want whenever you want.

NOTE Confidence: 0.970407126

00:50:04.920 --> 00:50:06.918 And so sometimes it is necessary

NOTE Confidence: 0.970407126

00:50:06.918 --> 00:50:08.880 to set boundaries on behavior.

NOTE Confidence: 0.970407126

00:50:08.880 --> 00:50:11.304 I think another reason often that

NOTE Confidence: 0.970407126

00:50:11.304 --> 00:50:13.417 another thing that drives stigma

NOTE Confidence: 0.970407126

00:50:13.417 --> 00:50:15.937 of of patients who struggle with

NOTE Confidence: 0.970407126

00:50:15.937 --> 00:50:19.198 addiction is that by its very nature

NOTE Confidence: 0.970407126

00:50:19.200 --> 00:50:20.980 addiction is very challenging.

NOTE Confidence: 0.970407126

00:50:20.980 --> 00:50:24.283 It it and it's alterations of brain

NOTE Confidence: 0.970407126

00:50:24.283 --> 00:50:26.680 chemistry and just the absolute

NOTE Confidence: 0.868091222307692

00:50:28.760 --> 00:50:30.320 just the how, how difficult it

NOTE Confidence: 0.868091222307692

00:50:30.320 --> 00:50:32.399 can be and how how just painful,

NOTE Confidence: 0.868091222307692

00:50:32.400 --> 00:50:33.225 viscerally challenging it

NOTE Confidence: 0.868091222307692

00:50:33.225 --> 00:50:34.875 can be to be in withdrawal.

NOTE Confidence: 0.868091222307692

00:50:34.880 --> 00:50:37.610 Patients often may result to to

NOTE Confidence: 0.868091222307692

00:50:37.610 --> 00:50:39.998 desperate means to just alleviate

NOTE Confidence: 0.868091222307692

00:50:39.998 --> 00:50:43.400 those symptoms and to to feel normal.

NOTE Confidence: 0.868091222307692

00:50:43.400 --> 00:50:44.636 And so you know if a,



NOTE Confidence: 0.868091222307692  
00:50:44.640 --> 00:50:46.560 if a patient has someone who's  
NOTE Confidence: 0.868091222307692  
00:50:46.560 --> 00:50:48.363 coming into the hospital and  
NOTE Confidence: 0.868091222307692  
00:50:48.363 --> 00:50:49.758 bringing drug paraphernalia,  
NOTE Confidence: 0.868091222307692  
00:50:49.760 --> 00:50:51.888 it's OK to set a boundary and say  
NOTE Confidence: 0.868091222307692  
00:50:51.888 --> 00:50:54.080 the this person can't visit if  
NOTE Confidence: 0.868091222307692  
00:50:54.080 --> 00:50:55.616 they clearly have demonstrated  
NOTE Confidence: 0.868091222307692  
00:50:55.616 --> 00:50:57.862 that they are on that they're  
NOTE Confidence: 0.868091222307692  
00:50:57.862 --> 00:50:59.298 continuing to actively impede  
NOTE Confidence: 0.868091222307692  
00:50:59.298 --> 00:51:01.396 the proper care of the patient.  
NOTE Confidence: 0.868091222307692  
00:51:01.400 --> 00:51:05.106 But at the same time often they're because  
NOTE Confidence: 0.868091222307692  
00:51:05.106 --> 00:51:07.158 being in the hospital for patients  
NOTE Confidence: 0.868091222307692  
00:51:07.158 --> 00:51:09.365 is a time where patients often feel  
NOTE Confidence: 0.868091222307692  
00:51:09.365 --> 00:51:11.559 like they aren't in control as much.  
NOTE Confidence: 0.868091222307692  
00:51:11.560 --> 00:51:12.834 And and that's not just a feeling.  
NOTE Confidence: 0.868091222307692  
00:51:12.840 --> 00:51:14.147 I think that's also true, right.  
NOTE Confidence: 0.868091222307692

00:51:14.147 --> 00:51:16.283 When you're in the hospital you you don't  
NOTE Confidence: 0.868091222307692

00:51:16.283 --> 00:51:18.514 have as much control as you normally would.  
NOTE Confidence: 0.868091222307692

00:51:18.520 --> 00:51:20.816 I I think it's very natural for  
NOTE Confidence: 0.868091222307692

00:51:20.816 --> 00:51:22.912 patients to seek as much control  
NOTE Confidence: 0.868091222307692

00:51:22.912 --> 00:51:25.060 as possible and I think often  
NOTE Confidence: 0.868091222307692

00:51:25.132 --> 00:51:27.355 overwhelmed floor staff or unit staff  
NOTE Confidence: 0.868091222307692

00:51:27.355 --> 00:51:29.389 can feel like they need to assert  
NOTE Confidence: 0.868091222307692

00:51:29.389 --> 00:51:31.541 control and often we can see sort of  
NOTE Confidence: 0.868091222307692

00:51:31.607 --> 00:51:33.597 this devolving battle for control.  
NOTE Confidence: 0.868091222307692

00:51:33.600 --> 00:51:34.864 So it's it's really,  
NOTE Confidence: 0.868091222307692

00:51:34.864 --> 00:51:36.444 really important that when boundaries  
NOTE Confidence: 0.868091222307692

00:51:36.444 --> 00:51:38.504 are set that they're that they're  
NOTE Confidence: 0.868091222307692

00:51:38.504 --> 00:51:40.189 clearly articulated in the rationale  
NOTE Confidence: 0.868091222307692

00:51:40.243 --> 00:51:42.109 and their scope and that they're  
NOTE Confidence: 0.868091222307692

00:51:42.109 --> 00:51:43.636 limited simply to protective measures  
NOTE Confidence: 0.868091222307692

00:51:43.636 --> 00:51:45.568 and and it's really important to avoid

NOTE Confidence: 0.868091222307692  
00:51:45.568 --> 00:51:47.408 sort of punitive intent or just to  
NOTE Confidence: 0.868091222307692  
00:51:47.408 --> 00:51:49.225 set a boundary to show well that's  
NOTE Confidence: 0.868091222307692  
00:51:49.225 --> 00:51:51.087 because I said so because we're in  
NOTE Confidence: 0.868091222307692  
00:51:51.087 --> 00:51:53.240 charge and we're going to say how it goes.  
NOTE Confidence: 0.868091222307692  
00:51:53.240 --> 00:51:54.962 And so it's it's really important  
NOTE Confidence: 0.868091222307692  
00:51:54.962 --> 00:51:56.914 to to be firm with boundaries  
NOTE Confidence: 0.868091222307692  
00:51:56.914 --> 00:51:59.116 but to also understand what the,  
NOTE Confidence: 0.868091222307692  
00:51:59.120 --> 00:52:01.458 what the point of those boundaries is  
NOTE Confidence: 0.868091222307692  
00:52:01.458 --> 00:52:04.004 and that you know it it avoiding that  
NOTE Confidence: 0.868091222307692  
00:52:04.004 --> 00:52:06.818 sort of control power struggle that I  
NOTE Confidence: 0.868091222307692  
00:52:06.818 --> 00:52:09.478 think sometimes we we've seen happen.  
NOTE Confidence: 0.868091222307692  
00:52:09.480 --> 00:52:10.760 So that's an important consideration.  
NOTE Confidence: 0.868091222307692  
00:52:10.760 --> 00:52:13.680 So we heard about some of the  
NOTE Confidence: 0.868091222307692  
00:52:13.680 --> 00:52:15.835 updated guidelines that I'm going  
NOTE Confidence: 0.868091222307692  
00:52:15.835 --> 00:52:17.559 to go through briefly.  
NOTE Confidence: 0.868091222307692

00:52:17.560 --> 00:52:18.973 So in 2020,  
NOTE Confidence: 0.868091222307692

00:52:18.973 --> 00:52:21.799 the ACAHA guidelines were updated to  
NOTE Confidence: 0.868091222307692

00:52:21.799 --> 00:52:24.400 include recommendations about IDUID  
NOTE Confidence: 0.868091222307692

00:52:24.400 --> 00:52:26.080 which were absent from earlier guidelines.  
NOTE Confidence: 0.868091222307692

00:52:26.080 --> 00:52:28.396 And basically it just very importantly,  
NOTE Confidence: 0.868091222307692

00:52:28.400 --> 00:52:29.840 these guidelines recommended consultation  
NOTE Confidence: 0.868091222307692

00:52:29.840 --> 00:52:32.000 with addiction medicine to discuss the  
NOTE Confidence: 0.868091222307692

00:52:32.052 --> 00:52:33.720 long term prognosis for the patients,  
NOTE Confidence: 0.868091222307692

00:52:33.720 --> 00:52:35.910 refraining from actions that risk  
NOTE Confidence: 0.868091222307692

00:52:35.910 --> 00:52:37.662 reinfection before repeat surgical  
NOTE Confidence: 0.868091222307692

00:52:37.662 --> 00:52:38.920 intervention is considered.  
NOTE Confidence: 0.868091222307692

00:52:38.920 --> 00:52:40.605 So again underscoring the critical  
NOTE Confidence: 0.868091222307692

00:52:40.605 --> 00:52:41.953 importance of addiction medicine  
NOTE Confidence: 0.868091222307692

00:52:41.953 --> 00:52:43.598 to treat the underlying cost.  
NOTE Confidence: 0.868091222307692

00:52:43.600 --> 00:52:45.720 As we've heard beyond prognostication,  
NOTE Confidence: 0.868091222307692

00:52:45.720 --> 00:52:47.052 addiction medicine specialist can

NOTE Confidence: 0.868091222307692

00:52:47.052 --> 00:52:49.050 offer treatment that may reduce the

NOTE Confidence: 0.868091222307692

00:52:49.104 --> 00:52:50.550 likelihood of recurrent use by as

NOTE Confidence: 0.868091222307692

00:52:50.550 --> 00:52:52.688 much as 50% and not just recurrent

NOTE Confidence: 0.868091222307692

00:52:52.688 --> 00:52:54.800 use but also all 'cause mortality.

NOTE Confidence: 0.868091222307692

00:52:54.800 --> 00:52:57.937 As as we've heard And so in the scientific

NOTE Confidence: 0.868091222307692

00:52:57.937 --> 00:52:59.479 statement that we already heard about,

NOTE Confidence: 0.868091222307692

00:52:59.480 --> 00:53:01.552 I just I think this this piece

NOTE Confidence: 0.868091222307692

00:53:01.552 --> 00:53:02.800 is really important here.

NOTE Confidence: 0.868091222307692

00:53:02.800 --> 00:53:04.265 A detailed discussion with the

NOTE Confidence: 0.868091222307692

00:53:04.265 --> 00:53:06.066 patient and the endocarditis team is

NOTE Confidence: 0.868091222307692

00:53:06.066 --> 00:53:07.506 warranted about the surgical risks

NOTE Confidence: 0.868091222307692

00:53:07.506 --> 00:53:09.038 and prognosis among those deemed

NOTE Confidence: 0.868091222307692

00:53:09.038 --> 00:53:10.678 candidates for repeat valve surgery.

NOTE Confidence: 0.868091222307692

00:53:10.680 --> 00:53:12.269 Just as it is for people with

NOTE Confidence: 0.868091222307692

00:53:12.269 --> 00:53:13.960 IEEE who do not inject drugs,

NOTE Confidence: 0.868091222307692

00:53:13.960 --> 00:53:15.384 proceeding with another operation  
NOTE Confidence: 0.868091222307692

00:53:15.384 --> 00:53:17.520 requires a plan for treatment of  
NOTE Confidence: 0.897673485909091

00:53:17.576 --> 00:53:19.301 the addiction supported by addiction  
NOTE Confidence: 0.897673485909091

00:53:19.301 --> 00:53:21.840 trained clinicians and as a team decision.  
NOTE Confidence: 0.897673485909091

00:53:21.840 --> 00:53:23.800 So it's a critical addition.  
NOTE Confidence: 0.897673485909091

00:53:23.800 --> 00:53:26.292 And so you know we think of this as sort  
NOTE Confidence: 0.897673485909091

00:53:26.292 --> 00:53:28.360 of a a stepwise framework for approaching  
NOTE Confidence: 0.897673485909091

00:53:28.360 --> 00:53:30.360 these often very complex patients.  
NOTE Confidence: 0.897673485909091

00:53:30.360 --> 00:53:32.733 The first step is just like with  
NOTE Confidence: 0.897673485909091

00:53:32.733 --> 00:53:34.680 other proposed medical interventions,  
NOTE Confidence: 0.897673485909091

00:53:34.680 --> 00:53:36.336 we consider the medical and surgical  
NOTE Confidence: 0.897673485909091

00:53:36.336 --> 00:53:38.221 risks and benefits in determining whether  
NOTE Confidence: 0.897673485909091

00:53:38.221 --> 00:53:40.031 surgical intervention is likely to  
NOTE Confidence: 0.897673485909091

00:53:40.031 --> 00:53:42.079 improve the patient's short term outcome.  
NOTE Confidence: 0.897673485909091

00:53:42.080 --> 00:53:45.270 The short term outcome not not invoking  
NOTE Confidence: 0.897673485909091

00:53:45.270 --> 00:53:48.360 potential for quote futility later on.

NOTE Confidence: 0.897673485909091  
00:53:48.360 --> 00:53:50.547 And then the next step is to consider how  
NOTE Confidence: 0.897673485909091  
00:53:50.547 --> 00:53:52.749 best to manage the patient's addiction in  
NOTE Confidence: 0.897673485909091  
00:53:52.749 --> 00:53:55.080 order to optimize those long term outcomes.  
NOTE Confidence: 0.897673485909091  
00:53:55.080 --> 00:53:57.144 And that's where again our addiction  
NOTE Confidence: 0.897673485909091  
00:53:57.144 --> 00:53:58.783 medicine colleagues come in And  
NOTE Confidence: 0.897673485909091  
00:53:58.783 --> 00:54:00.098 rather than setting some absolute  
NOTE Confidence: 0.897673485909091  
00:54:00.098 --> 00:54:01.840 number of RE operations that should  
NOTE Confidence: 0.897673485909091  
00:54:01.840 --> 00:54:02.800 be considered acceptable,  
NOTE Confidence: 0.897673485909091  
00:54:02.800 --> 00:54:03.376 once again,  
NOTE Confidence: 0.897673485909091  
00:54:03.376 --> 00:54:05.104 you know this really critical concept  
NOTE Confidence: 0.897673485909091  
00:54:05.104 --> 00:54:07.019 that we hear in in medicine and  
NOTE Confidence: 0.897673485909091  
00:54:07.019 --> 00:54:09.045 medical ethics all the time is we we  
NOTE Confidence: 0.897673485909091  
00:54:09.045 --> 00:54:10.634 need to balance the risks versus the  
NOTE Confidence: 0.897673485909091  
00:54:10.640 --> 00:54:12.944 benefits in each individual case as  
NOTE Confidence: 0.897673485909091  
00:54:12.944 --> 00:54:14.480 the most important consideration.  
NOTE Confidence: 0.897673485909091

00:54:14.480 --> 00:54:17.488 And I should say not just the risks  
NOTE Confidence: 0.897673485909091

00:54:17.488 --> 00:54:19.128 and benefits as far as medical  
NOTE Confidence: 0.897673485909091

00:54:19.128 --> 00:54:19.794 facts are concerned,  
NOTE Confidence: 0.897673485909091

00:54:19.800 --> 00:54:22.758 but also take into account the  
NOTE Confidence: 0.897673485909091

00:54:22.760 --> 00:54:25.080 patient's priorities, goals and values.  
NOTE Confidence: 0.897673485909091

00:54:25.080 --> 00:54:27.190 Because again these these patients  
NOTE Confidence: 0.897673485909091

00:54:27.190 --> 00:54:29.446 are often struggling with very  
NOTE Confidence: 0.897673485909091

00:54:29.446 --> 00:54:31.144 complex social situations.  
NOTE Confidence: 0.897673485909091

00:54:31.144 --> 00:54:34.219 And so it's easy I think for us sometimes  
NOTE Confidence: 0.897673485909091

00:54:34.219 --> 00:54:35.953 as clinicians to have blinders on  
NOTE Confidence: 0.897673485909091

00:54:35.953 --> 00:54:37.927 and be hyper focused on the medical  
NOTE Confidence: 0.897673485909091

00:54:37.988 --> 00:54:39.998 facts which are incredibly important.  
NOTE Confidence: 0.897673485909091

00:54:40.000 --> 00:54:42.170 But we also need to consider the  
NOTE Confidence: 0.897673485909091

00:54:42.170 --> 00:54:44.265 patient priorities and what might be a  
NOTE Confidence: 0.897673485909091

00:54:44.265 --> 00:54:46.232 burden to patients might not seem like  
NOTE Confidence: 0.897673485909091

00:54:46.232 --> 00:54:48.232 such a burden to us and vice versa.



NOTE Confidence: 0.897673485909091

00:54:48.240 --> 00:54:50.508 So it's important to sort of consider

NOTE Confidence: 0.897673485909091

00:54:50.508 --> 00:54:52.356 that not everyone's weighing of risks

NOTE Confidence: 0.897673485909091

00:54:52.356 --> 00:54:54.614 and benefits may may be the same

NOTE Confidence: 0.897673485909091

00:54:54.614 --> 00:54:56.238 depending on their circumstances.

NOTE Confidence: 0.897673485909091

00:54:56.240 --> 00:54:58.275 So just to summarize some of the

NOTE Confidence: 0.897673485909091

00:54:58.275 --> 00:55:00.200 key points or what we'll call the

NOTE Confidence: 0.897673485909091

00:55:00.200 --> 00:55:01.911 medical and ethical best practices

NOTE Confidence: 0.897673485909091

00:55:01.911 --> 00:55:04.119 in the management of these patients.

NOTE Confidence: 0.897673485909091

00:55:04.120 --> 00:55:06.752 Worth noting that in a 2016 study

NOTE Confidence: 0.897673485909091

00:55:06.752 --> 00:55:08.085 which now is not,

NOTE Confidence: 0.897673485909091

00:55:08.085 --> 00:55:09.520 you know again not that long ago,

NOTE Confidence: 0.897673485909091

00:55:09.520 --> 00:55:11.193 although I think the field has really

NOTE Confidence: 0.897673485909091

00:55:11.193 --> 00:55:12.917 advanced by leaps and bounds since then.

NOTE Confidence: 0.897673485909091

00:55:12.920 --> 00:55:16.224 But in 2016 only 24% of patients

NOTE Confidence: 0.897673485909091

00:55:16.224 --> 00:55:17.860 presenting with IDU i.e.

NOTE Confidence: 0.897673485909091

00:55:17.860 --> 00:55:19.660 received inpatient addiction medicine  
NOTE Confidence: 0.897673485909091

00:55:19.660 --> 00:55:21.460 consultation and addiction was  
NOTE Confidence: 0.897673485909091

00:55:21.525 --> 00:55:23.520 mentioned at only 56% of the discharge  
NOTE Confidence: 0.897673485909091

00:55:23.520 --> 00:55:24.520 summaries for these patients.  
NOTE Confidence: 0.897673485909091

00:55:24.520 --> 00:55:27.680 So lots, lots of progress to be made,  
NOTE Confidence: 0.897673485909091

00:55:27.680 --> 00:55:29.570 although I think we have made quite  
NOTE Confidence: 0.897673485909091

00:55:29.570 --> 00:55:31.000 a bit of progress.  
NOTE Confidence: 0.897673485909091

00:55:31.000 --> 00:55:32.644 The medical team has an obligation  
NOTE Confidence: 0.897673485909091

00:55:32.644 --> 00:55:34.042 to provide evidence based addiction  
NOTE Confidence: 0.897673485909091

00:55:34.042 --> 00:55:36.050 care just as we have an obligation to  
NOTE Confidence: 0.897673485909091

00:55:36.050 --> 00:55:37.652 provide evidence based care in general  
NOTE Confidence: 0.897673485909091

00:55:37.652 --> 00:55:39.608 to patients when they come to us.  
NOTE Confidence: 0.897673485909091

00:55:39.608 --> 00:55:41.228 And the health system furthermore  
NOTE Confidence: 0.897673485909091

00:55:41.228 --> 00:55:43.082 has an obligation, we would argue,  
NOTE Confidence: 0.897673485909091

00:55:43.082 --> 00:55:44.552 to ensure adequate mechanisms and  
NOTE Confidence: 0.897673485909091

00:55:44.552 --> 00:55:46.376 pathways to ensure robust transition

NOTE Confidence: 0.897673485909091  
00:55:46.376 --> 00:55:47.558 to outpatient treatment.  
NOTE Confidence: 0.897673485909091  
00:55:47.560 --> 00:55:48.995 And social support as as we've heard,  
NOTE Confidence: 0.897673485909091  
00:55:49.000 --> 00:55:52.510 is so important for for sustained  
NOTE Confidence: 0.897673485909091  
00:55:52.510 --> 00:55:55.800 treatment of a chronic disease,  
NOTE Confidence: 0.897673485909091  
00:55:55.800 --> 00:55:58.560 until patients have initiated treatment,  
NOTE Confidence: 0.897673485909091  
00:55:58.560 --> 00:56:00.032 it can be really difficult to predict the  
NOTE Confidence: 0.897673485909091  
00:56:00.032 --> 00:56:01.280 likelihood of substance use occurrence.  
NOTE Confidence: 0.897673485909091  
00:56:01.280 --> 00:56:03.764 So we should avoid making vague  
NOTE Confidence: 0.897673485909091  
00:56:03.764 --> 00:56:05.420 predictions and generalizations because  
NOTE Confidence: 0.908853058333333  
00:56:05.487 --> 00:56:07.999 of what we assume is a foregone conclusion.  
NOTE Confidence: 0.908853058333333  
00:56:08.000 --> 00:56:09.200 Avoiding assumptions in general  
NOTE Confidence: 0.908853058333333  
00:56:09.200 --> 00:56:11.000 is is good practice in medicine,  
NOTE Confidence: 0.908853058333333  
00:56:11.000 --> 00:56:14.266 although again we we tend to take  
NOTE Confidence: 0.908853058333333  
00:56:14.266 --> 00:56:16.268 a lot of cognitive shortcuts and  
NOTE Confidence: 0.908853058333333  
00:56:16.268 --> 00:56:18.963 so just being mindful of of the  
NOTE Confidence: 0.908853058333333

00:56:18.963 --> 00:56:21.315 assumptions we might be tempted to make.

NOTE Confidence: 0.908853058333333

00:56:21.320 --> 00:56:22.688 And then finally patients

NOTE Confidence: 0.908853058333333

00:56:22.688 --> 00:56:24.398 presenting with recurrent IDU i.e.

NOTE Confidence: 0.908853058333333

00:56:24.400 --> 00:56:26.055 Should be evaluated by a

NOTE Confidence: 0.908853058333333

00:56:26.055 --> 00:56:26.717 multidisciplinary team,

NOTE Confidence: 0.908853058333333

00:56:26.720 --> 00:56:28.824 ideally including addiction medic

NOTE Confidence: 0.908853058333333

00:56:28.824 --> 00:56:30.808 medicine specialists, ID specialists,

NOTE Confidence: 0.908853058333333

00:56:30.808 --> 00:56:32.200 infectious disease specialists,

NOTE Confidence: 0.908853058333333

00:56:32.200 --> 00:56:33.952 cardiac surgeons, cardiologists,

NOTE Confidence: 0.908853058333333

00:56:33.952 --> 00:56:35.120 hospitals, nurses,

NOTE Confidence: 0.908853058333333

00:56:35.120 --> 00:56:38.246 social workers and and really any

NOTE Confidence: 0.908853058333333

00:56:38.246 --> 00:56:41.484 anyone else who can provide both

NOTE Confidence: 0.908853058333333

00:56:41.484 --> 00:56:43.304 their expertise and and their

NOTE Confidence: 0.908853058333333

00:56:43.304 --> 00:56:45.216 compassion in treating these very

NOTE Confidence: 0.908853058333333

00:56:45.216 --> 00:56:47.256 complex and vulnerable patients who

NOTE Confidence: 0.908853058333333

00:56:47.256 --> 00:56:49.050 again deserve compassion and care

NOTE Confidence: 0.908853058333333

00:56:49.050 --> 00:56:50.835 just as all of our patients do.

NOTE Confidence: 0.908853058333333

00:56:50.840 --> 00:56:51.680 Thank you very much.

NOTE Confidence: 0.89634318

00:56:58.960 --> 00:57:00.520 Thank you so much, Sarah.

NOTE Confidence: 0.89634318

00:57:00.520 --> 00:57:01.636 I wonder if there's a way

NOTE Confidence: 0.900811014166667

00:57:04.400 --> 00:57:06.003 to turn up some lights up here

NOTE Confidence: 0.900811014166667

00:57:06.003 --> 00:57:08.000 so we can get a see our speakers

NOTE Confidence: 0.900811014166667

00:57:08.000 --> 00:57:09.600 as we start asking questions.

NOTE Confidence: 0.900811014166667

00:57:09.600 --> 00:57:12.701 I don't see the this has changed

NOTE Confidence: 0.900811014166667

00:57:12.701 --> 00:57:15.638 since the last time I drove it.

NOTE Confidence: 0.900811014166667

00:57:15.640 --> 00:57:17.180 I'm here. I don't know if you

NOTE Confidence: 0.900811014166667

00:57:17.180 --> 00:57:18.822 know how we can bring the lights

NOTE Confidence: 0.900811014166667

00:57:18.822 --> 00:57:20.640 up on this thing or if we can.

NOTE Confidence: 0.900811014166667

00:57:20.640 --> 00:57:21.396 OK, say it again.

NOTE Confidence: 0.900811014166667

00:57:21.396 --> 00:57:23.039 So we can't really bring it up on this.

NOTE Confidence: 0.900811014166667

00:57:23.040 --> 00:57:24.360 I can watch with the lights,

NOTE Confidence: 0.900811014166667

00:57:24.360 --> 00:57:26.575 but it's almost guarantee you  
NOTE Confidence: 0.900811014166667

00:57:26.575 --> 00:57:28.080 just want to dim the lights in  
NOTE Confidence: 0.900811014166667

00:57:28.080 --> 00:57:30.512 the whole bit And here you go to,  
NOTE Confidence: 0.900811014166667

00:57:30.512 --> 00:57:31.248 oh, it's over here. All right.  
NOTE Confidence: 0.900811014166667

00:57:31.248 --> 00:57:31.680 There we go.  
NOTE Confidence: 0.900811014166667

00:57:31.680 --> 00:57:32.676 I want to give you this.  
NOTE Confidence: 0.900811014166667

00:57:32.680 --> 00:57:33.320 This is for the chat.  
NOTE Confidence: 0.900811014166667

00:57:33.320 --> 00:57:33.520 If  
NOTE Confidence: 0.636290994285714

00:57:34.560 --> 00:57:36.037 if we can also just pull chairs  
NOTE Confidence: 0.859621426153846

00:57:36.080 --> 00:57:37.214 up here, there's a little bit more  
NOTE Confidence: 0.859621426153846

00:57:37.214 --> 00:57:38.160 light there and grab the mic.  
NOTE Confidence: 0.859621426153846

00:57:38.160 --> 00:57:39.680 Would that be better if  
NOTE Confidence: 0.965114818333333

00:57:39.680 --> 00:57:41.876 that's the best option we have.  
NOTE Confidence: 0.965114818333333

00:57:41.880 --> 00:57:42.864 And the chat, the people aren't  
NOTE Confidence: 0.965114818333333

00:57:42.864 --> 00:57:43.850 coming in on chat. I mean,  
NOTE Confidence: 0.965114818333333

00:57:43.850 --> 00:57:44.840 they're coming in on Q&A. What?

NOTE Confidence: 0.821767118181818

00:57:49.080 --> 00:57:50.949 So we we're going to do a

NOTE Confidence: 0.821767118181818

00:57:50.949 --> 00:57:52.080 couple different things here.

NOTE Confidence: 0.821767118181818

00:57:52.080 --> 00:57:56.560 One is I need to see the the Q&A portion.

NOTE Confidence: 0.821767118181818

00:57:56.560 --> 00:57:59.116 The other is for the folks in the audience.

NOTE Confidence: 0.821767118181818

00:57:59.120 --> 00:58:00.656 Please wait until the someone brings

NOTE Confidence: 0.821767118181818

00:58:00.656 --> 00:58:02.546 you a microphone if you have a question

NOTE Confidence: 0.821767118181818

00:58:02.546 --> 00:58:04.239 so that the folks on Zoom can hear.

NOTE Confidence: 0.821767118181818

00:58:04.240 --> 00:58:06.354 OK, that's perfect. Thank you so much.

NOTE Confidence: 0.821767118181818

00:58:06.360 --> 00:58:10.112 And I'm going to thank you 2 for what was.

NOTE Confidence: 0.821767118181818

00:58:10.112 --> 00:58:13.346 Yeah, that's better. Oh, oh, there we go.

NOTE Confidence: 0.821767118181818

00:58:13.346 --> 00:58:15.968 Now we're lit up. Now we're lit up.

NOTE Confidence: 0.821767118181818

00:58:15.968 --> 00:58:17.895 So something for everyone.

NOTE Confidence: 0.821767118181818

00:58:17.895 --> 00:58:21.030 It's a little something for the students

NOTE Confidence: 0.821767118181818

00:58:21.030 --> 00:58:22.560 and perhaps others in the owner.

NOTE Confidence: 0.821767118181818

00:58:22.560 --> 00:58:24.318 It's just a couple words about

NOTE Confidence: 0.821767118181818

00:58:24.318 --> 00:58:26.054 culture and something that you guys

NOTE Confidence: 0.821767118181818

00:58:26.054 --> 00:58:27.566 may remember that we talked about

NOTE Confidence: 0.821767118181818

00:58:27.566 --> 00:58:29.518 in the course a couple months ago.

NOTE Confidence: 0.821767118181818

00:58:29.520 --> 00:58:30.521 It's been a long time since I

NOTE Confidence: 0.821767118181818

00:58:30.521 --> 00:58:31.798 was on an adult medical service.

NOTE Confidence: 0.821767118181818

00:58:31.800 --> 00:58:33.774 I was an intern on adult medical

NOTE Confidence: 0.821767118181818

00:58:33.774 --> 00:58:35.840 service during the grant administration.

NOTE Confidence: 0.821767118181818

00:58:35.840 --> 00:58:39.432 And at the time there was,

NOTE Confidence: 0.821767118181818

00:58:39.432 --> 00:58:41.160 there was a culture and I and I,

NOTE Confidence: 0.821767118181818

00:58:41.160 --> 00:58:42.240 and it's fascinating to me here,

NOTE Confidence: 0.821767118181818

00:58:42.240 --> 00:58:44.837 is that I suspected some of this

NOTE Confidence: 0.821767118181818

00:58:44.837 --> 00:58:46.728 culture persists and the culture

NOTE Confidence: 0.821767118181818

00:58:46.728 --> 00:58:49.780 was a culture of resentment to

NOTE Confidence: 0.821767118181818

00:58:49.780 --> 00:58:52.848 people who used illegal drugs.

NOTE Confidence: 0.821767118181818

00:58:52.848 --> 00:58:56.933 And and that resentment I think

NOTE Confidence: 0.821767118181818



00:58:56.933 --> 00:58:59.488 clearly affected among many of  
NOTE Confidence: 0.821767118181818

00:58:59.488 --> 00:59:01.240 us the way they were treated,  
NOTE Confidence: 0.821767118181818

00:59:01.240 --> 00:59:02.524 the way they were spoken about  
NOTE Confidence: 0.821767118181818

00:59:02.524 --> 00:59:03.960 and the way we considered.  
NOTE Confidence: 0.821767118181818

00:59:03.960 --> 00:59:06.120 And so I appreciated the analogy  
NOTE Confidence: 0.821767118181818

00:59:06.120 --> 00:59:08.316 that you drew with heart disease,  
NOTE Confidence: 0.821767118181818

00:59:08.320 --> 00:59:10.264 with other heart disease related to  
NOTE Confidence: 0.821767118181818

00:59:10.264 --> 00:59:12.479 smoking or related to other lifestyle  
NOTE Confidence: 0.958095526666667

00:59:14.960 --> 00:59:17.438 choices or other aspects of lifestyle.  
NOTE Confidence: 0.958095526666667

00:59:17.440 --> 00:59:18.520 I mean, I think that's important.  
NOTE Confidence: 0.958095526666667

00:59:18.520 --> 00:59:19.820 Remember, we talked about when  
NOTE Confidence: 0.958095526666667

00:59:19.820 --> 00:59:21.720 you see somebody, when you get to  
NOTE Confidence: 0.958095526666667

00:59:21.720 --> 00:59:23.400 justice and we talk about equality,  
NOTE Confidence: 0.958095526666667

00:59:23.400 --> 00:59:24.864 say when you see somebody being  
NOTE Confidence: 0.958095526666667

00:59:24.864 --> 00:59:25.840 treated as something less,  
NOTE Confidence: 0.958095526666667

00:59:25.840 --> 00:59:28.360 you have to ask yourself why that might be.

NOTE Confidence: 0.958095526666667  
00:59:28.360 --> 00:59:29.080 And you got, of course,  
NOTE Confidence: 0.958095526666667  
00:59:29.080 --> 00:59:29.950 importantly as physicians,  
NOTE Confidence: 0.958095526666667  
00:59:29.950 --> 00:59:31.400 we got to ask ourselves,  
NOTE Confidence: 0.958095526666667  
00:59:31.400 --> 00:59:33.479 am I actually taking part in that?  
NOTE Confidence: 0.958095526666667  
00:59:33.480 --> 00:59:35.420 Is there something different about  
NOTE Confidence: 0.958095526666667  
00:59:35.420 --> 00:59:37.360 people who use intravenous drugs,  
NOTE Confidence: 0.958095526666667  
00:59:37.360 --> 00:59:38.896 illicit drugs, illegal drugs,  
NOTE Confidence: 0.958095526666667  
00:59:38.896 --> 00:59:40.335 heroin, whatever we want to talk  
NOTE Confidence: 0.958095526666667  
00:59:40.335 --> 00:59:41.719 about whatever term we want to use?  
NOTE Confidence: 0.958095526666667  
00:59:41.720 --> 00:59:43.208 Is there something about the way  
NOTE Confidence: 0.958095526666667  
00:59:43.208 --> 00:59:45.400 we approach these folks that is  
NOTE Confidence: 0.958095526666667  
00:59:45.400 --> 00:59:47.800 inherently different and unfair?  
NOTE Confidence: 0.958095526666667  
00:59:47.800 --> 00:59:49.393 And so I think that you both gave us  
NOTE Confidence: 0.958095526666667  
00:59:49.393 --> 00:59:51.198 a lot to think about in that regard.  
NOTE Confidence: 0.933998148888889  
00:59:53.360 --> 00:59:55.418 It's about the culture and it's about  
NOTE Confidence: 0.933998148888889

00:59:55.418 --> 00:59:57.579 seeing a group of people who are  
NOTE Confidence: 0.933998148888889

00:59:57.579 --> 00:59:59.794 treated as something less and and  
NOTE Confidence: 0.933998148888889

00:59:59.794 --> 01:00:02.279 sometimes blamed for their misfortune.  
NOTE Confidence: 0.933998148888889

01:00:02.280 --> 01:00:04.881 That said, I I want to talk about a  
NOTE Confidence: 0.933998148888889

01:00:04.881 --> 01:00:07.137 specific example that you raced, Melissa,  
NOTE Confidence: 0.933998148888889

01:00:07.137 --> 01:00:10.153 in the case of the surgeon in Knoxville.  
NOTE Confidence: 0.933998148888889

01:00:10.160 --> 01:00:11.610 Who decided that he wasn't  
NOTE Confidence: 0.933998148888889

01:00:11.610 --> 01:00:13.480 going to fix the valve again,  
NOTE Confidence: 0.933998148888889

01:00:13.480 --> 01:00:14.652 replace the valve again.  
NOTE Confidence: 0.933998148888889

01:00:14.652 --> 01:00:16.410 And that was the most difficult  
NOTE Confidence: 0.933998148888889

01:00:16.466 --> 01:00:18.085 decision I ever had to made make.  
NOTE Confidence: 0.933998148888889

01:00:18.085 --> 01:00:19.315 And that wasn't that long ago.  
NOTE Confidence: 0.933998148888889

01:00:19.320 --> 01:00:22.050 I don't think that case that you  
NOTE Confidence: 0.933998148888889

01:00:22.050 --> 01:00:25.280 described 2018. Yeah.  
NOTE Confidence: 0.933998148888889

01:00:25.280 --> 01:00:27.114 And so the my question about that  
NOTE Confidence: 0.933998148888889

01:00:27.114 --> 01:00:29.392 case and you might know or or if you

NOTE Confidence: 0.933998148888889  
01:00:29.392 --> 01:00:31.320 want to comment on this in general,  
NOTE Confidence: 0.933998148888889  
01:00:31.320 --> 01:00:33.756 is one thing that fascinated me was,  
NOTE Confidence: 0.933998148888889  
01:00:33.760 --> 01:00:35.040 and I see this from time to time,  
NOTE Confidence: 0.933998148888889  
01:00:35.040 --> 01:00:37.240 that did that individual surgeon,  
NOTE Confidence: 0.933998148888889  
01:00:37.240 --> 01:00:38.514 you actually get to make the decision.  
NOTE Confidence: 0.933998148888889  
01:00:38.520 --> 01:00:40.389 I get it that an individual surgeon  
NOTE Confidence: 0.933998148888889  
01:00:40.389 --> 01:00:42.439 may be able to make the decision,  
NOTE Confidence: 0.933998148888889  
01:00:42.440 --> 01:00:43.916 I'm not going to do this.  
NOTE Confidence: 0.933998148888889  
01:00:43.920 --> 01:00:45.425 But of course what I'd be wondering  
NOTE Confidence: 0.933998148888889  
01:00:45.425 --> 01:00:47.058 if I got my medical ethics hat  
NOTE Confidence: 0.933998148888889  
01:00:47.058 --> 01:00:48.770 on is what was the patient made  
NOTE Confidence: 0.933998148888889  
01:00:48.770 --> 01:00:50.276 aware of what his options were?  
NOTE Confidence: 0.933998148888889  
01:00:50.280 --> 01:00:51.180 Was there somebody else in  
NOTE Confidence: 0.933998148888889  
01:00:51.180 --> 01:00:52.080 the hospital could do it?  
NOTE Confidence: 0.933998148888889  
01:00:52.080 --> 01:00:53.403 Was there another hospital 1/2 an hour  
NOTE Confidence: 0.933998148888889

01:00:53.403 --> 01:00:54.877 down the road that would have done it?  
NOTE Confidence: 0.933998148888889

01:00:54.880 --> 01:00:56.320 You know how much of this was done.  
NOTE Confidence: 0.933998148888889

01:00:56.320 --> 01:00:58.234 But are these decisions which I  
NOTE Confidence: 0.933998148888889

01:00:58.234 --> 01:01:00.560 take it are still sometimes made,  
NOTE Confidence: 0.933998148888889

01:01:00.560 --> 01:01:02.611 which is to say not to do  
NOTE Confidence: 0.933998148888889

01:01:02.611 --> 01:01:04.178 a repeat valve replacement.  
NOTE Confidence: 0.933998148888889

01:01:04.178 --> 01:01:06.134 Are these decisions commonly  
NOTE Confidence: 0.933998148888889

01:01:06.134 --> 01:01:08.880 made by an individual clinician?  
NOTE Confidence: 0.933998148888889

01:01:08.880 --> 01:01:11.680 How often is is, are other groups involved?  
NOTE Confidence: 0.933998148888889

01:01:11.680 --> 01:01:13.280 And it's very end Sarah,  
NOTE Confidence: 0.933998148888889

01:01:13.280 --> 01:01:15.320 you you spoke about the various  
NOTE Confidence: 0.933998148888889

01:01:15.320 --> 01:01:16.680 team you wanted involved,  
NOTE Confidence: 0.933998148888889

01:01:16.680 --> 01:01:19.112 but if there's a decision not to give  
NOTE Confidence: 0.933998148888889

01:01:19.112 --> 01:01:21.998 someone a potentially life saving treatment,  
NOTE Confidence: 0.933998148888889

01:01:22.000 --> 01:01:23.834 it fascinates me to wonder who makes  
NOTE Confidence: 0.933998148888889

01:01:23.834 --> 01:01:25.502 that decision and does the patient

NOTE Confidence: 0.933998148888889

01:01:25.502 --> 01:01:27.152 know what their other options are?

NOTE Confidence: 0.933998148888889

01:01:27.160 --> 01:01:27.708 That by the way,

NOTE Confidence: 0.933998148888889

01:01:27.708 --> 01:01:28.393 we won't do it here.

NOTE Confidence: 0.933998148888889

01:01:28.400 --> 01:01:29.324 They might do it,

NOTE Confidence: 0.933998148888889

01:01:29.324 --> 01:01:31.068 you know at Columbia or in Boston

NOTE Confidence: 0.933998148888889

01:01:31.068 --> 01:01:32.558 or at Hartford or whatever.

NOTE Confidence: 0.894580173636364

01:01:36.120 --> 01:01:39.200 Well, I I can tell you that you know in past,

NOTE Confidence: 0.894580173636364

01:01:39.200 --> 01:01:41.402 yes, it's been an individual person

NOTE Confidence: 0.894580173636364

01:01:41.402 --> 01:01:43.958 and I I've been on both sides.

NOTE Confidence: 0.894580173636364

01:01:43.960 --> 01:01:45.946 I've been on the pre multidisciplinary

NOTE Confidence: 0.894580173636364

01:01:45.946 --> 01:01:48.443 team side and I now that we

NOTE Confidence: 0.894580173636364

01:01:48.443 --> 01:01:49.915 have a multidisciplinary team,

NOTE Confidence: 0.894580173636364

01:01:49.920 --> 01:01:51.624 I think it's improved.

NOTE Confidence: 0.894580173636364

01:01:51.624 --> 01:01:52.859 But historically, yes,

NOTE Confidence: 0.894580173636364

01:01:52.859 --> 01:01:55.133 it's been up to an individual

NOTE Confidence: 0.894580173636364

01:01:55.133 --> 01:01:57.199 person to make a decision.  
NOTE Confidence: 0.894580173636364

01:01:57.200 --> 01:01:59.028 I think, you know,  
NOTE Confidence: 0.894580173636364

01:01:59.028 --> 01:02:01.313 teams might invoke an ethical  
NOTE Confidence: 0.894580173636364

01:02:01.313 --> 01:02:03.692 consult or maybe they would they  
NOTE Confidence: 0.894580173636364

01:02:03.692 --> 01:02:06.839 would ask for for an ethics consult.  
NOTE Confidence: 0.894580173636364

01:02:06.840 --> 01:02:09.348 But I think that's why teams  
NOTE Confidence: 0.894580173636364

01:02:09.348 --> 01:02:10.602 like the multidisciplinary  
NOTE Confidence: 0.894580173636364

01:02:10.602 --> 01:02:12.438 endocarditis team are so important,  
NOTE Confidence: 0.894580173636364

01:02:12.440 --> 01:02:16.980 so that we can talk about what's going  
NOTE Confidence: 0.894580173636364

01:02:16.980 --> 01:02:20.040 on and really flesh out implicit  
NOTE Confidence: 0.894580173636364

01:02:20.040 --> 01:02:22.878 explicit bias and all the medical,  
NOTE Confidence: 0.894580173636364

01:02:22.880 --> 01:02:24.360 surgical complications.  
NOTE Confidence: 0.894580173636364

01:02:24.360 --> 01:02:28.350 And what I've seen through the  
NOTE Confidence: 0.894580173636364

01:02:28.350 --> 01:02:31.918 evolution of my career is that there's  
NOTE Confidence: 0.894580173636364

01:02:31.918 --> 01:02:35.264 a lot of experiences that can come  
NOTE Confidence: 0.894580173636364

01:02:35.264 --> 01:02:38.477 from all of us meeting together,

NOTE Confidence: 0.894580173636364

01:02:38.480 --> 01:02:41.200 where I learn a lot from the surgeons.

NOTE Confidence: 0.894580173636364

01:02:41.200 --> 01:02:45.718 I know more about cardiac surgery

NOTE Confidence: 0.894580173636364

01:02:45.720 --> 01:02:48.636 than I know about diabetes care,

NOTE Confidence: 0.894580173636364

01:02:48.640 --> 01:02:48.947 right?

NOTE Confidence: 0.894580173636364

01:02:48.947 --> 01:02:51.710 Like I can talk to my patients about exactly

NOTE Confidence: 0.894580173636364

01:02:51.771 --> 01:02:54.116 what's going to happen when they're in,

NOTE Confidence: 0.894580173636364

01:02:54.120 --> 01:02:54.762 you know,

NOTE Confidence: 0.894580173636364

01:02:54.762 --> 01:02:56.688 having their cardiac surgery because I'm

NOTE Confidence: 0.894580173636364

01:02:56.688 --> 01:02:58.757 seeing the patients like right after,

NOTE Confidence: 0.894580173636364

01:02:58.760 --> 01:03:00.985 I'm talking to the surgeon

NOTE Confidence: 0.894580173636364

01:03:00.985 --> 01:03:02.566 right after the surgery.

NOTE Confidence: 0.894580173636364

01:03:02.566 --> 01:03:05.310 So all to say that I think there's

NOTE Confidence: 0.894580173636364

01:03:05.387 --> 01:03:08.307 so much value of the face to face

NOTE Confidence: 0.894580173636364

01:03:08.307 --> 01:03:09.579 conversation and unfortunately

NOTE Confidence: 0.894580173636364

01:03:09.579 --> 01:03:12.834 sometimes some of these life or death

NOTE Confidence: 0.894580173636364



01:03:12.840 --> 01:03:17.440 decisions were basically being made in  
NOTE Confidence: 0.894580173636364

01:03:17.440 --> 01:03:20.104 a chart note without any conversation.  
NOTE Confidence: 0.894580173636364

01:03:20.104 --> 01:03:22.960 And so you couldn't know like why  
NOTE Confidence: 0.894580173636364

01:03:23.035 --> 01:03:25.315 is the surgeon saying this isn't.  
NOTE Confidence: 0.894580173636364

01:03:25.320 --> 01:03:27.000 I don't want to proceed with this  
NOTE Confidence: 0.894580173636364

01:03:27.000 --> 01:03:28.399 surgery and what I've what I've  
NOTE Confidence: 0.894580173636364

01:03:28.399 --> 01:03:30.155 come to know is that most of the  
NOTE Confidence: 0.894580173636364

01:03:30.155 --> 01:03:31.440 time that they're saying no,  
NOTE Confidence: 0.894580173636364

01:03:31.440 --> 01:03:35.640 it's it's for a really you know,  
NOTE Confidence: 0.894580173636364

01:03:35.640 --> 01:03:37.080 specific reason.  
NOTE Confidence: 0.894580173636364

01:03:37.080 --> 01:03:38.280 So I don't know, Sarah,  
NOTE Confidence: 0.894580173636364

01:03:38.280 --> 01:03:40.200 if you want to talk about your  
NOTE Confidence: 0.894580173636364

01:03:40.200 --> 01:03:41.800 experience or if you think we do this.  
NOTE Confidence: 0.894580173636364

01:03:41.800 --> 01:03:41.996 Well,  
NOTE Confidence: 0.894580173636364

01:03:41.996 --> 01:03:43.564 I don't want to make it sound like  
NOTE Confidence: 0.894580173636364

01:03:43.564 --> 01:03:45.061 we never have conflict because

NOTE Confidence: 0.894580173636364  
 01:03:45.061 --> 01:03:46.313 we certainly have conflict.  
 NOTE Confidence: 0.894580173636364  
 01:03:46.320 --> 01:03:48.540 And we sometimes ask for second  
 NOTE Confidence: 0.894580173636364  
 01:03:48.540 --> 01:03:50.360 opinions or we sometimes say,  
 NOTE Confidence: 0.894580173636364  
 01:03:50.360 --> 01:03:51.184 you know,  
 NOTE Confidence: 0.894580173636364  
 01:03:51.184 --> 01:03:52.832 somebody should consider going  
 NOTE Confidence: 0.894580173636364  
 01:03:52.832 --> 01:03:54.859 to another institution and we  
 NOTE Confidence: 0.894580173636364  
 01:03:54.859 --> 01:03:56.399 have had patients leave to,  
 NOTE Confidence: 0.894580173636364  
 01:03:56.400 --> 01:03:59.074 to try to go to other institutions.  
 NOTE Confidence: 0.894580173636364  
 01:03:59.080 --> 01:04:00.455 I would say our institution  
 NOTE Confidence: 0.894580173636364  
 01:04:00.455 --> 01:04:01.555 is actually quite liberal.  
 NOTE Confidence: 0.894580173636364  
 01:04:01.560 --> 01:04:04.960 And so it doesn't happen that often anymore,  
 NOTE Confidence: 0.894580173636364  
 01:04:04.960 --> 01:04:07.920 but it certainly happened before.  
 NOTE Confidence: 0.894580173636364  
 01:04:07.920 --> 01:04:08.200 Yeah,  
 NOTE Confidence: 0.934208452  
 01:04:08.200 --> 01:04:12.280 I I would. I would tend to agree with that.  
 NOTE Confidence: 0.934208452  
 01:04:12.280 --> 01:04:14.445 You know thinking about my  
 NOTE Confidence: 0.934208452

01:04:14.445 --> 01:04:16.992 experience as a fellow which was  
NOTE Confidence: 0.934208452

01:04:16.992 --> 01:04:19.472 you know as over 10 years ago,  
NOTE Confidence: 0.934208452

01:04:19.472 --> 01:04:22.280 I guess I finished 1010 years ago.  
NOTE Confidence: 0.934208452

01:04:22.280 --> 01:04:23.304 The approach was very  
NOTE Confidence: 0.934208452

01:04:23.304 --> 01:04:24.840 different than than it is now.  
NOTE Confidence: 0.934208452

01:04:24.840 --> 01:04:26.500 And I actually remember  
NOTE Confidence: 0.934208452

01:04:26.500 --> 01:04:28.160 being involved as this.  
NOTE Confidence: 0.934208452

01:04:28.160 --> 01:04:30.144 This is how I sort of first became  
NOTE Confidence: 0.934208452

01:04:30.144 --> 01:04:33.017 introduced to this area where I was  
NOTE Confidence: 0.934208452

01:04:33.017 --> 01:04:35.786 on a a cardiology consult team with a  
NOTE Confidence: 0.934208452

01:04:35.786 --> 01:04:38.378 patient in this in in a situation like  
NOTE Confidence: 0.934208452

01:04:38.378 --> 01:04:41.156 this where he had already had surgery,  
NOTE Confidence: 0.934208452

01:04:41.160 --> 01:04:45.106 he had recurrent IDU i.e.  
NOTE Confidence: 0.934208452

01:04:45.106 --> 01:04:47.008 And two surgeons had actually  
NOTE Confidence: 0.934208452

01:04:47.008 --> 01:04:48.418 declined to operate and then  
NOTE Confidence: 0.934208452

01:04:48.418 --> 01:04:50.040 an ethics consult was called.

NOTE Confidence: 0.934208452  
01:04:50.040 --> 01:04:53.040 And then ultimately,  
NOTE Confidence: 0.934208452  
01:04:53.040 --> 01:04:55.300 you know, basically they,  
NOTE Confidence: 0.934208452  
01:04:55.300 --> 01:04:57.480 they said sort of you know,  
NOTE Confidence: 0.934208452  
01:04:57.480 --> 01:04:59.316 along the lines of what what we said that,  
NOTE Confidence: 0.934208452  
01:04:59.320 --> 01:05:00.720 you know if there's not,  
NOTE Confidence: 0.934208452  
01:05:00.720 --> 01:05:03.280 if there's not an absolute,  
NOTE Confidence: 0.934208452  
01:05:03.280 --> 01:05:03.852 you know,  
NOTE Confidence: 0.934208452  
01:05:03.852 --> 01:05:05.854 if the risk benefit ratio would normally  
NOTE Confidence: 0.934208452  
01:05:05.854 --> 01:05:08.037 favor surgical management of this disease,  
NOTE Confidence: 0.934208452  
01:05:08.040 --> 01:05:09.063 then you know,  
NOTE Confidence: 0.934208452  
01:05:09.063 --> 01:05:11.450 it shouldn't be declined just because of  
NOTE Confidence: 0.934208452  
01:05:11.517 --> 01:05:14.740 the risk of of substance use recurrence.  
NOTE Confidence: 0.934208452  
01:05:14.740 --> 01:05:17.915 And so someone did actually  
NOTE Confidence: 0.934208452  
01:05:17.920 --> 01:05:18.850 provide that surgery,  
NOTE Confidence: 0.934208452  
01:05:18.850 --> 01:05:20.710 but it's unclear whether he was  
NOTE Confidence: 0.934208452

01:05:20.710 --> 01:05:22.470 actually hooked up well with  
NOTE Confidence: 0.934208452

01:05:22.470 --> 01:05:23.520 addiction medicine treatment.  
NOTE Confidence: 0.934208452

01:05:23.520 --> 01:05:26.823 And so he did come back and so that  
NOTE Confidence: 0.934208452

01:05:26.823 --> 01:05:28.916 that was that was kind of what happened.  
NOTE Confidence: 0.934208452

01:05:28.920 --> 01:05:29.502 And so,  
NOTE Confidence: 0.934208452

01:05:29.502 --> 01:05:29.793 yeah,  
NOTE Confidence: 0.934208452

01:05:29.793 --> 01:05:32.548 I mean the the our discussions in the  
NOTE Confidence: 0.934208452

01:05:32.548 --> 01:05:35.076 multidisciplinary team often are you know,  
NOTE Confidence: 0.934208452

01:05:35.076 --> 01:05:36.921 we don't necessarily always have  
NOTE Confidence: 0.934208452

01:05:36.921 --> 01:05:38.836 consensus and they often are messy.  
NOTE Confidence: 0.934208452

01:05:38.840 --> 01:05:40.716 But I I mean I think that's  
NOTE Confidence: 0.934208452

01:05:40.720 --> 01:05:41.840 that actually is a positive.  
NOTE Confidence: 0.934208452

01:05:41.840 --> 01:05:43.700 If everyone always agreed on everything  
NOTE Confidence: 0.934208452

01:05:43.700 --> 01:05:45.375 that means that probably there  
NOTE Confidence: 0.934208452

01:05:45.375 --> 01:05:46.907 aren't enough diverse perspectives  
NOTE Confidence: 0.934208452

01:05:46.907 --> 01:05:48.439 represented because these cases

NOTE Confidence: 0.934208452

01:05:48.439 --> 01:05:50.160 aren't always easy and it's not

NOTE Confidence: 0.934208452

01:05:50.160 --> 01:05:51.560 like Oh well automatically OK,

NOTE Confidence: 0.934208452

01:05:51.560 --> 01:05:52.872 someone has bad endocarditis,

NOTE Confidence: 0.934208452

01:05:52.872 --> 01:05:54.512 we're going to do surgery.

NOTE Confidence: 0.934208452

01:05:54.520 --> 01:05:57.556 I I agree that typically that is the

NOTE Confidence: 0.934208452

01:05:57.556 --> 01:05:59.680 route that we try to go when it's indicated.

NOTE Confidence: 0.934208452

01:05:59.680 --> 01:06:01.720 But there are cases where patients,

NOTE Confidence: 0.934208452

01:06:01.720 --> 01:06:04.888 if patients are just not willing and and

NOTE Confidence: 0.934208452

01:06:04.888 --> 01:06:08.319 not able to engage in a plan for treatment,

NOTE Confidence: 0.934208452

01:06:08.320 --> 01:06:09.855 we realized that sometimes we

NOTE Confidence: 0.934208452

01:06:09.855 --> 01:06:11.390 can leave patients worse off

NOTE Confidence: 0.934208452

01:06:11.448 --> 01:06:12.876 if if we perform a surgery.

NOTE Confidence: 0.934208452

01:06:12.880 --> 01:06:15.442 So it's not there's not A1 size

NOTE Confidence: 0.934208452

01:06:15.442 --> 01:06:17.959 fits all approach to these patients.

NOTE Confidence: 0.934208452

01:06:17.960 --> 01:06:18.692 But yeah,

NOTE Confidence: 0.934208452

01:06:18.692 --> 01:06:20.416 I I think it's it,  
NOTE Confidence: 0.934208452

01:06:20.416 --> 01:06:21.440 it's definitely gotten better  
NOTE Confidence: 0.934208452

01:06:21.440 --> 01:06:23.095 but it's still a very challenging  
NOTE Confidence: 0.934208452

01:06:23.095 --> 01:06:24.399 population to care for.  
NOTE Confidence: 0.800286324

01:06:25.000 --> 01:06:27.016 OK. We got a few people already  
NOTE Confidence: 0.800286324

01:06:27.016 --> 01:06:28.464 who want to has questions.  
NOTE Confidence: 0.800286324

01:06:28.464 --> 01:06:30.508 So we're going to start with one  
NOTE Confidence: 0.800286324

01:06:30.508 --> 01:06:32.319 with Doctor Tolson 2 and three.  
NOTE Confidence: 0.800286324

01:06:32.320 --> 01:06:33.480 Let's start first with Ben.  
NOTE Confidence: 0.612607962

01:06:33.840 --> 01:06:35.600 Thanks. So, so great talk.  
NOTE Confidence: 0.612607962

01:06:35.600 --> 01:06:36.910 I I really appreciate the points  
NOTE Confidence: 0.612607962

01:06:36.910 --> 01:06:39.280 particularly that you know patients  
NOTE Confidence: 0.612607962

01:06:39.280 --> 01:06:42.480 must have access to addiction medicine  
NOTE Confidence: 0.612607962

01:06:42.480 --> 01:06:48.080 treatment and and two that that that  
NOTE Confidence: 0.612607962

01:06:48.080 --> 01:06:53.240 bias needs to be put aside at the  
NOTE Confidence: 0.612607962

01:06:53.240 --> 01:06:57.860 same time you know so so we we had a

NOTE Confidence: 0.612607962

01:06:57.860 --> 01:06:59.785 recent ethics consultation around a

NOTE Confidence: 0.612607962

01:06:59.785 --> 01:07:02.439 very difficult case of a patient who

NOTE Confidence: 0.612607962

01:07:02.440 --> 01:07:06.999 had received full addiction medicine

NOTE Confidence: 0.612607962

01:07:07.000 --> 01:07:11.024 services and you know in that in that

NOTE Confidence: 0.612607962

01:07:11.024 --> 01:07:12.204 case the patient eventually decided

NOTE Confidence: 0.612607962

01:07:12.204 --> 01:07:13.638 that she didn't want the treatment

NOTE Confidence: 0.612607962

01:07:13.638 --> 01:07:16.100 and and so there was consensus and and

NOTE Confidence: 0.612607962

01:07:16.100 --> 01:07:19.082 and there was no disagreement but I

NOTE Confidence: 0.612607962

01:07:19.082 --> 01:07:21.609 could imagine that that having gone a

NOTE Confidence: 0.612607962

01:07:21.609 --> 01:07:24.433 very different way and I can imagine

NOTE Confidence: 0.612607962

01:07:24.433 --> 01:07:26.896 an argument based not on bias not

NOTE Confidence: 0.612607962

01:07:26.896 --> 01:07:31.720 on stigma but on life expectancy for

NOTE Confidence: 0.612607962

01:07:31.720 --> 01:07:34.808 severe opiate use disorder that has

NOTE Confidence: 0.612607962

01:07:34.808 --> 01:07:36.866 been refractory to treatment through

NOTE Confidence: 0.612607962

01:07:36.866 --> 01:07:39.675 multiple rounds of prior endocarditis.

NOTE Confidence: 0.612607962



01:07:39.675 --> 01:07:42.945 The argument being that the patient  
NOTE Confidence: 0.612607962

01:07:42.945 --> 01:07:46.038 has a six month life expectancy.  
NOTE Confidence: 0.612607962

01:07:46.040 --> 01:07:48.680 We wouldn't offer the surgery to  
NOTE Confidence: 0.612607962

01:07:48.680 --> 01:07:51.072 somebody with advanced cancer had  
NOTE Confidence: 0.612607962

01:07:51.072 --> 01:07:53.880 a life expectancy in that range.  
NOTE Confidence: 0.612607962

01:07:53.880 --> 01:07:56.267 So we similarly not because of the  
NOTE Confidence: 0.612607962

01:07:56.267 --> 01:07:58.797 kind of chronic illness that she has,  
NOTE Confidence: 0.612607962

01:07:58.800 --> 01:08:01.136 but because she has a chronic life  
NOTE Confidence: 0.612607962

01:08:01.136 --> 01:08:02.744 limiting illness with a six month  
NOTE Confidence: 0.612607962

01:08:02.744 --> 01:08:03.280 life expectancy.  
NOTE Confidence: 0.612607962

01:08:03.280 --> 01:08:04.876 We should not be offering surgery.  
NOTE Confidence: 0.5871830125

01:08:06.440 --> 01:08:07.440 We we we avoided  
NOTE Confidence: 0.961943246666667

01:08:07.440 --> 01:08:08.880 that whole debate in this case.  
NOTE Confidence: 0.961943246666667

01:08:08.880 --> 01:08:11.193 But, but I could very well imagine it a  
NOTE Confidence: 0.961943246666667

01:08:11.193 --> 01:08:13.374 case where the patient very much would  
NOTE Confidence: 0.961943246666667

01:08:13.374 --> 01:08:15.484 want surgery and we would not offer

NOTE Confidence: 0.961943246666667  
01:08:15.484 --> 01:08:18.000 it based on that kind of rationale.  
NOTE Confidence: 0.961943246666667  
01:08:18.000 --> 01:08:19.104 I'm, I'm curious how,  
NOTE Confidence: 0.961943246666667  
01:08:19.104 --> 01:08:21.411 how you would approach a case like that  
NOTE Confidence: 0.961943246666667  
01:08:21.411 --> 01:08:23.476 where the patient was very much saying,  
NOTE Confidence: 0.961943246666667  
01:08:23.480 --> 01:08:25.040 I will do treatment,  
NOTE Confidence: 0.961943246666667  
01:08:25.040 --> 01:08:27.440 I want the surgery and.  
NOTE Confidence: 0.77514527  
01:08:27.440 --> 01:08:28.400 And what would you do then?  
NOTE Confidence: 0.60309408  
01:08:30.520 --> 01:08:32.840 It it, I mean it it to to.  
NOTE Confidence: 0.60309408  
01:08:32.840 --> 01:08:34.920 Yeah, right there, please.  
NOTE Confidence: 0.60309408  
01:08:34.920 --> 01:08:36.718 Next, I mean, I would add to that a bit,  
NOTE Confidence: 0.60309408  
01:08:36.720 --> 01:08:37.875 'cause I think it's a great question,  
NOTE Confidence: 0.60309408  
01:08:37.880 --> 01:08:39.406 Ben, is that is there some threshold  
NOTE Confidence: 0.60309408  
01:08:39.406 --> 01:08:40.678 that we reach where we say,  
NOTE Confidence: 0.60309408  
01:08:40.680 --> 01:08:42.423 yeah, we're we we as a hospital  
NOTE Confidence: 0.60309408  
01:08:42.423 --> 01:08:44.040 are willing to do the surgery,  
NOTE Confidence: 0.60309408

01:08:44.040 --> 01:08:45.734 but do we reach a threshold perhaps  
NOTE Confidence: 0.60309408

01:08:45.734 --> 01:08:46.921 based on prognosis for survival  
NOTE Confidence: 0.60309408

01:08:46.921 --> 01:08:48.569 where we say we're at a point now  
NOTE Confidence: 0.60309408

01:08:48.619 --> 01:08:50.278 where we no longer make it available.  
NOTE Confidence: 0.941238038

01:08:52.520 --> 01:08:55.180 So unfortunately, that's not an  
NOTE Confidence: 0.941238038

01:08:55.180 --> 01:08:57.840 uncommon situation that we encounter.  
NOTE Confidence: 0.941238038

01:08:57.840 --> 01:09:02.039 I can say one one thing that's been really  
NOTE Confidence: 0.941238038

01:09:02.039 --> 01:09:05.231 interesting as well is that we get to  
NOTE Confidence: 0.941238038

01:09:05.231 --> 01:09:08.224 know these patients really well, right.  
NOTE Confidence: 0.941238038

01:09:08.224 --> 01:09:10.960 They're in the hospital for a very long time.  
NOTE Confidence: 0.941238038

01:09:10.960 --> 01:09:13.920 Our team sees them daily.  
NOTE Confidence: 0.941238038

01:09:13.920 --> 01:09:15.480 We get to know their family,  
NOTE Confidence: 0.941238038

01:09:15.480 --> 01:09:16.560 we get to know them,  
NOTE Confidence: 0.941238038

01:09:16.560 --> 01:09:20.160 we get to know lots of things about them.  
NOTE Confidence: 0.941238038

01:09:20.160 --> 01:09:22.785 So I think though we're  
NOTE Confidence: 0.941238038

01:09:22.785 --> 01:09:24.360 not outpatient clinicians,

NOTE Confidence: 0.941238038

01:09:24.360 --> 01:09:26.397 we're not seeing them outside the hospital.

NOTE Confidence: 0.941238038

01:09:26.400 --> 01:09:28.752 We might know them better than

NOTE Confidence: 0.941238038

01:09:28.752 --> 01:09:30.764 anyone outside the hospital, right.

NOTE Confidence: 0.941238038

01:09:30.764 --> 01:09:33.428 And sometimes and in particular the

NOTE Confidence: 0.941238038

01:09:33.428 --> 01:09:36.040 patient that you were mentioning,

NOTE Confidence: 0.941238038

01:09:36.040 --> 01:09:37.880 we were her thread.

NOTE Confidence: 0.941238038

01:09:37.880 --> 01:09:39.720 We were the clinicians,

NOTE Confidence: 0.941238038

01:09:39.720 --> 01:09:42.126 the addiction medicine team who was

NOTE Confidence: 0.941238038

01:09:42.126 --> 01:09:44.879 treating her for the last two years,

NOTE Confidence: 0.941238038

01:09:44.880 --> 01:09:47.920 not anyone outside the hospital.

NOTE Confidence: 0.941238038

01:09:47.920 --> 01:09:51.552 So you know I think it's an opportunity

NOTE Confidence: 0.941238038

01:09:51.552 --> 01:09:53.600 for us to talk with the patient,

NOTE Confidence: 0.941238038

01:09:53.600 --> 01:09:56.876 really provide some hard information to

NOTE Confidence: 0.941238038

01:09:56.876 --> 01:10:01.638 them to say I hear what you're saying,

NOTE Confidence: 0.941238038

01:10:01.640 --> 01:10:04.676 you want everything done for you.

NOTE Confidence: 0.941238038

01:10:04.680 --> 01:10:08.382 Let's talk about how things have  
NOTE Confidence: 0.941238038

01:10:08.382 --> 01:10:11.506 been going and just recognize the  
NOTE Confidence: 0.941238038

01:10:11.506 --> 01:10:13.616 discrepancy and just really helping  
NOTE Confidence: 0.941238038

01:10:13.616 --> 01:10:16.118 them work through that discrepancy  
NOTE Confidence: 0.941238038

01:10:16.120 --> 01:10:18.318 and how we can best treat them  
NOTE Confidence: 0.941238038

01:10:18.318 --> 01:10:20.735 and and they they are going to  
NOTE Confidence: 0.941238038

01:10:20.735 --> 01:10:22.835 have to walk through some take  
NOTE Confidence: 0.941238038

01:10:22.916 --> 01:10:25.396 some real difficult steps forward.  
NOTE Confidence: 0.941238038

01:10:25.400 --> 01:10:28.095 And in that case that you discussed  
NOTE Confidence: 0.941238038

01:10:28.095 --> 01:10:31.362 like I was not in favor of that patient  
NOTE Confidence: 0.941238038

01:10:31.362 --> 01:10:34.008 having surgery because I knew how  
NOTE Confidence: 0.941238038

01:10:34.008 --> 01:10:36.240 incredibly challenging it would be for her.  
NOTE Confidence: 0.941238038

01:10:36.240 --> 01:10:38.320 I knew how much pain she would have.  
NOTE Confidence: 0.941238038

01:10:38.320 --> 01:10:40.651 I knew that we would not be able to  
NOTE Confidence: 0.941238038

01:10:40.651 --> 01:10:42.955 give her enough opioids to treat her  
NOTE Confidence: 0.941238038

01:10:42.955 --> 01:10:45.119 pain or non opioids or anything.

NOTE Confidence: 0.941238038

01:10:45.120 --> 01:10:48.720 So I think that perspectives helps,

NOTE Confidence: 0.941238038

01:10:48.720 --> 01:10:54.156 but these are heart wrenching situations.

NOTE Confidence: 0.941238038

01:10:54.160 --> 01:10:56.072 These are young people.

NOTE Confidence: 0.941238038

01:10:56.072 --> 01:10:59.758 These are people less than 40 years of

NOTE Confidence: 0.941238038

01:10:59.758 --> 01:11:02.836 age and they are dying with young kids.

NOTE Confidence: 0.941238038

01:11:02.840 --> 01:11:07.120 I mean it's heart wrenching and I remember,

NOTE Confidence: 0.941238038

01:11:07.120 --> 01:11:07.860 you know,

NOTE Confidence: 0.941238038

01:11:07.860 --> 01:11:10.780 all of these cases I remember and

NOTE Confidence: 0.941238038

01:11:10.780 --> 01:11:14.280 they really profoundly affect me.

NOTE Confidence: 0.941238038

01:11:14.280 --> 01:11:15.240 So I I don't know.

NOTE Confidence: 0.941238038

01:11:15.240 --> 01:11:17.364 It's hard to say every single

NOTE Confidence: 0.941238038

01:11:17.364 --> 01:11:19.264 case because every single case

NOTE Confidence: 0.941238038

01:11:19.264 --> 01:11:20.518 is so individualized.

NOTE Confidence: 0.941238038

01:11:20.520 --> 01:11:22.080 But.

NOTE Confidence: 0.941238038

01:11:22.080 --> 01:11:24.928 But we do have to have some hard

NOTE Confidence: 0.941238038

01:11:24.928 --> 01:11:25.640 conversations sometimes.  
NOTE Confidence: 0.941238038

01:11:25.640 --> 01:11:27.998 And and yes, addiction treatment works,  
NOTE Confidence: 0.941238038

01:11:28.000 --> 01:11:30.000 but sometimes it doesn't.  
NOTE Confidence: 0.490040043333333

01:11:31.720 --> 01:11:33.796 Can we have Here is next,  
NOTE Confidence: 0.490040043333333

01:11:33.800 --> 01:11:35.440 please. Yeah. Doctor  
NOTE Confidence: 0.74297042

01:11:35.440 --> 01:11:36.520 Hole, you mentioned sort  
NOTE Confidence: 0.74297042

01:11:36.520 --> 01:11:37.920 of a distinction. Hold  
NOTE Confidence: 0.786934812

01:11:37.920 --> 01:11:40.640 it a little closer, please. Oh, isn't it? Oh,  
NOTE Confidence: 0.49091655

01:11:40.880 --> 01:11:43.760 it's on. OK. You mentioned a  
NOTE Confidence: 0.49091655

01:11:43.760 --> 01:11:45.653 distinction of prosthetic valves.  
NOTE Confidence: 0.49091655

01:11:45.653 --> 01:11:48.171 Unlike solid organs like not  
NOTE Confidence: 0.49091655

01:11:48.171 --> 01:11:49.999 being a scarce resource,  
NOTE Confidence: 0.49091655

01:11:50.000 --> 01:11:55.600 I'm curious if I if I I VDU related,  
NOTE Confidence: 0.49091655

01:11:55.600 --> 01:11:57.278 whatever if I gotcha.  
NOTE Confidence: 0.49091655

01:11:57.278 --> 01:11:59.517 If it ever gets bad enough that like a  
NOTE Confidence: 0.49091655

01:11:59.517 --> 01:12:01.200 full heart transplant is required and

NOTE Confidence: 0.49091655

01:12:01.200 --> 01:12:04.080 if so do your ethical considerations

NOTE Confidence: 0.49091655

01:12:04.080 --> 01:12:07.800 change related to this that that

NOTE Confidence: 0.9625731875

01:12:07.800 --> 01:12:10.240 is a great question.

NOTE Confidence: 0.9625731875

01:12:10.240 --> 01:12:13.120 You know, I I don't ever recall

NOTE Confidence: 0.93232161

01:12:13.120 --> 01:12:15.600 a case where that happened.

NOTE Confidence: 0.7806673275

01:12:17.400 --> 01:12:18.720 You know, I so

NOTE Confidence: 0.8924075492

01:12:18.720 --> 01:12:21.261 you know, usually a heart transplant is

NOTE Confidence: 0.8924075492

01:12:21.261 --> 01:12:22.974 something that's considered for someone

NOTE Confidence: 0.8924075492

01:12:22.974 --> 01:12:25.230 who has you know end stage heart failure

NOTE Confidence: 0.8924075492

01:12:25.286 --> 01:12:27.236 that's refractory to other measures.

NOTE Confidence: 0.8924075492

01:12:27.240 --> 01:12:31.084 And so you know the criteria for solid

NOTE Confidence: 0.8924075492

01:12:31.084 --> 01:12:32.560 organ transplant are pretty strict.

NOTE Confidence: 0.8924075492

01:12:32.560 --> 01:12:34.468 Sometimes there can be some variability

NOTE Confidence: 0.8924075492

01:12:34.468 --> 01:12:36.094 but for example abstinence from

NOTE Confidence: 0.8924075492

01:12:36.094 --> 01:12:38.740 smoking is required. So I, I, I'm,

NOTE Confidence: 0.8924075492



01:12:38.740 --> 01:12:42.000 I'm speaking in in theory because again,  
NOTE Confidence: 0.8924075492

01:12:42.000 --> 01:12:44.440 I have not encountered this.  
NOTE Confidence: 0.8924075492

01:12:44.440 --> 01:12:46.285 But you know if if you required six months  
NOTE Confidence: 0.8924075492

01:12:46.285 --> 01:12:49.320 of abstinence from smoking, you know,  
NOTE Confidence: 0.8924075492

01:12:49.320 --> 01:12:52.240 I, I I can't imagine a scenario where  
NOTE Confidence: 0.8924075492

01:12:52.240 --> 01:12:54.915 you wouldn't want to see six months  
NOTE Confidence: 0.8924075492

01:12:54.915 --> 01:12:58.200 of abstinence from from IV drug use.  
NOTE Confidence: 0.8924075492

01:12:58.200 --> 01:13:01.000 You know, again not not in a punitive  
NOTE Confidence: 0.8924075492

01:13:01.000 --> 01:13:02.995 way but simply in a maximizing the  
NOTE Confidence: 0.8924075492

01:13:02.995 --> 01:13:05.439 utility of a very scarce resource way.  
NOTE Confidence: 0.8924075492

01:13:05.440 --> 01:13:07.084 Although again that can be very  
NOTE Confidence: 0.8924075492

01:13:07.084 --> 01:13:09.093 ethically fraud Like that is not a  
NOTE Confidence: 0.8924075492

01:13:09.093 --> 01:13:10.533 straightforward calculus in all cases  
NOTE Confidence: 0.8924075492

01:13:10.533 --> 01:13:12.199 because again you know when when  
NOTE Confidence: 0.8924075492

01:13:12.199 --> 01:13:13.753 you stricter you make the criteria,  
NOTE Confidence: 0.8924075492

01:13:13.760 --> 01:13:15.720 the more likely you are to marginalized

NOTE Confidence: 0.8924075492

01:13:15.720 --> 01:13:16.560 already vulnerable population.

NOTE Confidence: 0.8924075492

01:13:16.560 --> 01:13:16.916 So I.

NOTE Confidence: 0.8924075492

01:13:16.916 --> 01:13:18.162 So I recognize that it's not Oh

NOTE Confidence: 0.8924075492

01:13:18.162 --> 01:13:19.662 well that's easy like just you know

NOTE Confidence: 0.8924075492

01:13:19.662 --> 01:13:21.200 handle that what is the right time?

NOTE Confidence: 0.8924075492

01:13:21.200 --> 01:13:22.663 Is 6 months the right amount of

NOTE Confidence: 0.8924075492

01:13:22.663 --> 01:13:24.439 time Like is it should it be longer.

NOTE Confidence: 0.8924075492

01:13:24.440 --> 01:13:27.520 And so it's it's a difficult conversation.

NOTE Confidence: 0.8924075492

01:13:27.520 --> 01:13:28.726 You know there,

NOTE Confidence: 0.8924075492

01:13:28.726 --> 01:13:31.540 there are other therapies for end stage

NOTE Confidence: 0.8924075492

01:13:31.618 --> 01:13:34.640 heart failure besides transplant like

NOTE Confidence: 0.8924075492

01:13:34.640 --> 01:13:37.885 inotropic therapy like IV inotropic

NOTE Confidence: 0.8924075492

01:13:37.885 --> 01:13:41.035 therapy and left ventricular cyst devices.

NOTE Confidence: 0.8924075492

01:13:41.040 --> 01:13:43.408 Again I I can't imagine that that an

NOTE Confidence: 0.8924075492

01:13:43.408 --> 01:13:45.742 LVAD or left ventricular cyst device

NOTE Confidence: 0.8924075492

01:13:45.742 --> 01:13:48.342 that's that's very prone to you know  
NOTE Confidence: 0.8924075492

01:13:48.342 --> 01:13:49.597 that's another huge foreign body.  
NOTE Confidence: 0.8924075492

01:13:49.600 --> 01:13:51.400 So the issue of infection would  
NOTE Confidence: 0.8924075492

01:13:51.400 --> 01:13:54.388 would be a a big issue and I I can't  
NOTE Confidence: 0.8924075492

01:13:54.388 --> 01:13:56.221 say I've ever seen that either.  
NOTE Confidence: 0.8924075492

01:13:56.221 --> 01:13:58.949 And so again I'm this is all in  
NOTE Confidence: 0.8924075492

01:13:58.949 --> 01:14:01.661 theory but usually you know valvular  
NOTE Confidence: 0.8924075492

01:14:01.661 --> 01:14:03.830 disease if if treated early enough  
NOTE Confidence: 0.8924075492

01:14:03.830 --> 01:14:05.931 hopefully you can prevent heart failure  
NOTE Confidence: 0.8924075492

01:14:05.931 --> 01:14:08.206 from happening and even if you do  
NOTE Confidence: 0.8924075492

01:14:08.206 --> 01:14:10.149 develop heart failure from that there  
NOTE Confidence: 0.8924075492

01:14:10.149 --> 01:14:11.752 often are a lot of really effective  
NOTE Confidence: 0.8924075492

01:14:11.752 --> 01:14:12.798 medical therapies to reverse it.  
NOTE Confidence: 0.8924075492

01:14:12.800 --> 01:14:15.464 But in theory could you know long standing  
NOTE Confidence: 0.8924075492

01:14:15.464 --> 01:14:17.439 valvular disease lead to heart failure?  
NOTE Confidence: 0.8924075492

01:14:17.440 --> 01:14:18.065 Absolutely.

NOTE Confidence: 0.8924075492

01:14:18.065 --> 01:14:23.056 In fact an an older practice was you know

NOTE Confidence: 0.8924075492

01:14:23.056 --> 01:14:25.520 the the the right ventricle gets no love.

NOTE Confidence: 0.8924075492

01:14:25.520 --> 01:14:27.578 Well some some of the the cardiologists

NOTE Confidence: 0.8924075492

01:14:27.578 --> 01:14:29.800 in the audience can can appreciate that.

NOTE Confidence: 0.8924075492

01:14:29.800 --> 01:14:31.431 But you know the the the left

NOTE Confidence: 0.8924075492

01:14:31.431 --> 01:14:32.440 ventricle as you like,

NOTE Confidence: 0.8924075492

01:14:32.440 --> 01:14:34.253 that's the main pumping Chamber of the

NOTE Confidence: 0.8924075492

01:14:34.253 --> 01:14:36.157 heart that pumps blood through the body.

NOTE Confidence: 0.8924075492

01:14:36.160 --> 01:14:37.435 The right ventricle pumps blood

NOTE Confidence: 0.8924075492

01:14:37.435 --> 01:14:38.200 into the lungs.

NOTE Confidence: 0.8924075492

01:14:38.200 --> 01:14:39.175 It doesn't have to generate

NOTE Confidence: 0.8924075492

01:14:39.175 --> 01:14:39.955 as high a pressure.

NOTE Confidence: 0.8924075492

01:14:39.960 --> 01:14:42.800 So you know one of the valves that

NOTE Confidence: 0.8924075492

01:14:42.800 --> 01:14:45.368 that controls blood flow between the

NOTE Confidence: 0.8924075492

01:14:45.368 --> 01:14:48.032 right atrium and the right ventricle,

NOTE Confidence: 0.8924075492

01:14:48.040 --> 01:14:48.883 the tricuspid valve,  
NOTE Confidence: 0.8924075492

01:14:48.883 --> 01:14:51.451 is often in one of the first to be  
NOTE Confidence: 0.8924075492

01:14:51.451 --> 01:14:52.664 infected with injection drug use.  
NOTE Confidence: 0.8924075492

01:14:52.664 --> 01:14:54.622 And an old practice was to simply remove  
NOTE Confidence: 0.8924075492

01:14:54.622 --> 01:14:56.337 that valve and not put anything back  
NOTE Confidence: 0.8924075492

01:14:56.337 --> 01:14:58.097 if it was infected with endocarditis  
NOTE Confidence: 0.8924075492

01:14:58.097 --> 01:14:59.557 because the the thinking was,  
NOTE Confidence: 0.8924075492

01:14:59.560 --> 01:15:01.254 well if there's not a valve there  
NOTE Confidence: 0.8924075492

01:15:01.254 --> 01:15:02.640 to be infected then that's,  
NOTE Confidence: 0.914744520909091

01:15:02.640 --> 01:15:04.662 you know, then patients are less  
NOTE Confidence: 0.914744520909091

01:15:04.662 --> 01:15:06.640 at risk of developing recurrent  
NOTE Confidence: 0.914744520909091

01:15:06.640 --> 01:15:07.980 endocarditis and you don't really  
NOTE Confidence: 0.914744520909091

01:15:07.980 --> 01:15:09.612 need your tricuspid valve that much  
NOTE Confidence: 0.914744520909091

01:15:09.612 --> 01:15:11.118 because it's a lower pressure system.  
NOTE Confidence: 0.914744520909091

01:15:11.120 --> 01:15:12.587 So yeah you can get a little bit of  
NOTE Confidence: 0.914744520909091

01:15:12.587 --> 01:15:13.640 congestion but it's not a big deal.

NOTE Confidence: 0.914744520909091  
01:15:13.640 --> 01:15:15.362 But actually that's you know that's  
NOTE Confidence: 0.914744520909091  
01:15:15.362 --> 01:15:17.072 not that's not really accurate and  
NOTE Confidence: 0.914744520909091  
01:15:17.072 --> 01:15:18.836 and you do need a tricuspid valve  
NOTE Confidence: 0.914744520909091  
01:15:18.836 --> 01:15:20.924 and right sided heart failure is a  
NOTE Confidence: 0.914744520909091  
01:15:20.924 --> 01:15:22.766 very real problematic entity and and  
NOTE Confidence: 0.914744520909091  
01:15:22.766 --> 01:15:25.350 so that that's it's not that that is  
NOTE Confidence: 0.914744520909091  
01:15:25.426 --> 01:15:27.850 an impossible consideration but I I  
NOTE Confidence: 0.914744520909091  
01:15:27.850 --> 01:15:30.713 think typically I I have not seen a  
NOTE Confidence: 0.914744520909091  
01:15:30.713 --> 01:15:33.474 case like that and and I think there  
NOTE Confidence: 0.914744520909091  
01:15:33.474 --> 01:15:35.959 would be pretty stringent criteria  
NOTE Confidence: 0.914744520909091  
01:15:35.960 --> 01:15:38.350 beyond simply the individual risk  
NOTE Confidence: 0.914744520909091  
01:15:38.350 --> 01:15:41.196 benefit ratio for that patient but  
NOTE Confidence: 0.914744520909091  
01:15:41.196 --> 01:15:43.986 also criteria to make sure that that an  
NOTE Confidence: 0.914744520909091  
01:15:43.986 --> 01:15:45.624 organ transplant is being get offered  
NOTE Confidence: 0.914744520909091  
01:15:45.624 --> 01:15:47.522 to someone who will be able to be a  
NOTE Confidence: 0.914744520909091

01:15:47.522 --> 01:15:49.159 steward of of that scarce resource.  
NOTE Confidence: 0.914744520909091

01:15:49.160 --> 01:15:51.368 And I and I think that is fundamentally  
NOTE Confidence: 0.914744520909091

01:15:51.368 --> 01:15:53.370 different from something like a valve  
NOTE Confidence: 0.914744520909091

01:15:53.370 --> 01:15:54.904 replacement and people will argue  
NOTE Confidence: 0.914744520909091

01:15:54.904 --> 01:15:56.300 well you know we practice medicine  
NOTE Confidence: 0.914744520909091

01:15:56.300 --> 01:15:58.331 in the US as if we had unlimited  
NOTE Confidence: 0.914744520909091

01:15:58.331 --> 01:16:00.145 resources and and you know that that  
NOTE Confidence: 0.914744520909091

01:16:00.145 --> 01:16:01.969 is true sometimes unfortunately and  
NOTE Confidence: 0.914744520909091

01:16:01.969 --> 01:16:05.527 and that that has problems of its own  
NOTE Confidence: 0.914744520909091

01:16:05.527 --> 01:16:07.624 right because you know things like  
NOTE Confidence: 0.914744520909091

01:16:07.624 --> 01:16:09.084 prenatal care and vaccinations like  
NOTE Confidence: 0.914744520909091

01:16:09.084 --> 01:16:10.966 those we we should be crushing it  
NOTE Confidence: 0.914744520909091

01:16:10.966 --> 01:16:12.839 and we are not crushing it on that.  
NOTE Confidence: 0.914744520909091

01:16:12.840 --> 01:16:13.233 But,  
NOTE Confidence: 0.914744520909091

01:16:13.233 --> 01:16:15.198 but is it really like  
NOTE Confidence: 0.7765105725

01:16:15.200 --> 01:16:16.600 is it the is

NOTE Confidence: 0.835763705

01:16:17.680 --> 01:16:19.250 it's it's hard to take a leap from that to

NOTE Confidence: 0.835763705

01:16:19.296 --> 01:16:21.064 saying well then we shouldn't do as many

NOTE Confidence: 0.835763705

01:16:21.064 --> 01:16:22.260 valve replacements because like people

NOTE Confidence: 0.835763705

01:16:22.260 --> 01:16:23.912 aren't getting up prenatal care like those,

NOTE Confidence: 0.835763705

01:16:23.920 --> 01:16:25.200 those those are separate issues.

NOTE Confidence: 0.835763705

01:16:25.200 --> 01:16:27.000 And you know if we want to talk about how we,

NOTE Confidence: 0.835763705

01:16:27.000 --> 01:16:28.504 you know allocate healthcare,

NOTE Confidence: 0.835763705

01:16:28.504 --> 01:16:30.760 how we ration healthcare because I've

NOTE Confidence: 0.835763705

01:16:30.822 --> 01:16:32.400 argued like ration is a dirty word in

NOTE Confidence: 0.835763705

01:16:32.400 --> 01:16:33.920 in the US like we don't ration care.

NOTE Confidence: 0.835763705

01:16:33.920 --> 01:16:35.640 Like we do ration care,

NOTE Confidence: 0.835763705

01:16:35.640 --> 01:16:37.512 we ration care on based on

NOTE Confidence: 0.835763705

01:16:37.512 --> 01:16:38.760 patient's ability to pay.

NOTE Confidence: 0.835763705

01:16:38.760 --> 01:16:42.156 But I think that's really conflating

NOTE Confidence: 0.835763705

01:16:42.160 --> 01:16:43.920 11 problem with another problem.

NOTE Confidence: 0.835763705



01:16:43.920 --> 01:16:46.160 And it's important not to sort of  
NOTE Confidence: 0.835763705

01:16:46.160 --> 01:16:47.651 like sublimate our frustration  
NOTE Confidence: 0.835763705

01:16:47.651 --> 01:16:50.738 with patients into you know into  
NOTE Confidence: 0.835763705

01:16:50.738 --> 01:16:53.373 discussions about like are we using  
NOTE Confidence: 0.835763705

01:16:53.373 --> 01:16:55.239 resources as as best we could.  
NOTE Confidence: 0.835763705

01:16:55.240 --> 01:16:56.320 But again, a,  
NOTE Confidence: 0.835763705

01:16:56.320 --> 01:16:58.840 a solid organ transplant is different because  
NOTE Confidence: 0.835763705

01:16:58.840 --> 01:17:00.400 when you offer an organ to one patient,  
NOTE Confidence: 0.835763705

01:17:00.400 --> 01:17:01.448 that's there's another patient  
NOTE Confidence: 0.835763705

01:17:01.448 --> 01:17:02.758 who's not getting that organ.  
NOTE Confidence: 0.835763705

01:17:02.760 --> 01:17:04.416 And so that does change the  
NOTE Confidence: 0.835763705

01:17:04.416 --> 01:17:05.520 calculus a little bit.  
NOTE Confidence: 0.786413425

01:17:06.080 --> 01:17:08.535 So I want to, I want to get to a couple  
NOTE Confidence: 0.786413425

01:17:08.535 --> 01:17:10.595 more questions before we're done.  
NOTE Confidence: 0.786413425

01:17:10.600 --> 01:17:12.328 The gentleman in the scarf and then the  
NOTE Confidence: 0.786413425

01:17:12.328 --> 01:17:13.905 gentleman in the back in the black coat

NOTE Confidence: 0.786413425

01:17:13.905 --> 01:17:15.676 and then the lady here in the blue jacket.

NOTE Confidence: 0.786413425

01:17:15.680 --> 01:17:17.080 I want to try and get to all three within.

NOTE Confidence: 0.786413425

01:17:17.080 --> 01:17:18.076 We got about 10 minutes left.

NOTE Confidence: 0.786413425

01:17:18.080 --> 01:17:19.232 Go ahead, please.

NOTE Confidence: 0.786413425

01:17:19.232 --> 01:17:20.900 Thank you. And this briefly,

NOTE Confidence: 0.786413425

01:17:20.900 --> 01:17:22.806 are you just with the whole the

NOTE Confidence: 0.786413425

01:17:22.806 --> 01:17:24.636 multidisciplinary approach and you mentioned,

NOTE Confidence: 0.786413425

01:17:24.640 --> 01:17:27.193 you know, the utility of having addiction

NOTE Confidence: 0.786413425

01:17:27.193 --> 01:17:28.824 consult program as part of like the

NOTE Confidence: 0.786413425

01:17:28.824 --> 01:17:30.878 way the health system addresses this issue.

NOTE Confidence: 0.786413425

01:17:30.880 --> 01:17:33.848 Are you finding that just from an

NOTE Confidence: 0.786413425

01:17:33.848 --> 01:17:35.120 infectious disease perspective,

NOTE Confidence: 0.786413425

01:17:35.120 --> 01:17:36.065 initiating conversations like

NOTE Confidence: 0.786413425

01:17:36.065 --> 01:17:37.640 this or helping other systems,

NOTE Confidence: 0.786413425

01:17:37.640 --> 01:17:40.133 it may not be as far along as,

NOTE Confidence: 0.786413425

01:17:40.133 --> 01:17:43.757 you know, places like Yale and you know,  
NOTE Confidence: 0.786413425

01:17:43.760 --> 01:17:45.385 other locations that do this  
NOTE Confidence: 0.786413425

01:17:45.385 --> 01:17:46.617 because you know, some,  
NOTE Confidence: 0.786413425

01:17:46.617 --> 01:17:48.159 some hospitals don't even have addiction  
NOTE Confidence: 0.786413425

01:17:48.159 --> 01:17:49.546 consult services and then they don't  
NOTE Confidence: 0.786413425

01:17:49.546 --> 01:17:51.120 know what to do with patients like this.  
NOTE Confidence: 0.786413425

01:17:51.120 --> 01:17:52.560 So they may be forced to this problem,  
NOTE Confidence: 0.786413425

01:17:52.560 --> 01:17:52.866 you know,  
NOTE Confidence: 0.786413425

01:17:52.866 --> 01:17:53.478 at a higher extent.  
NOTE Confidence: 0.92381632

01:17:55.880 --> 01:17:58.840 Yeah, I mean I I think it's kind of raising  
NOTE Confidence: 0.92381632

01:17:58.840 --> 01:18:03.440 the the standard of care. So you know,  
NOTE Confidence: 0.92381632

01:18:03.440 --> 01:18:05.440 addiction consult services cost money.  
NOTE Confidence: 0.92381632

01:18:05.440 --> 01:18:07.438 It costs money to hire, you know,  
NOTE Confidence: 0.92381632

01:18:07.438 --> 01:18:09.352 a physician who has this expertise  
NOTE Confidence: 0.92381632

01:18:09.352 --> 01:18:11.839 or to to train people up to do it.  
NOTE Confidence: 0.92381632

01:18:11.840 --> 01:18:14.078 There are definitely models that can

NOTE Confidence: 0.92381632

01:18:14.078 --> 01:18:16.640 be adapted that are less expensive.

NOTE Confidence: 0.92381632

01:18:16.640 --> 01:18:18.705 So maybe training hospitalists to

NOTE Confidence: 0.92381632

01:18:18.705 --> 01:18:21.400 have this expertise or if you have

NOTE Confidence: 0.92381632

01:18:21.400 --> 01:18:23.620 a psychiatric consult service,

NOTE Confidence: 0.92381632

01:18:23.620 --> 01:18:25.840 maybe having those psychiatrists

NOTE Confidence: 0.92381632

01:18:25.840 --> 01:18:26.952 provide the addiction care,

NOTE Confidence: 0.92381632

01:18:26.952 --> 01:18:29.320 which is the model in in many places.

NOTE Confidence: 0.92381632

01:18:29.320 --> 01:18:31.748 So they're definitely different

NOTE Confidence: 0.92381632

01:18:31.748 --> 01:18:36.440 models of care that can be provided.

NOTE Confidence: 0.92381632

01:18:36.440 --> 01:18:39.156 As far as having a multidisciplinary group,

NOTE Confidence: 0.92381632

01:18:39.160 --> 01:18:42.256 I think, I think it,

NOTE Confidence: 0.92381632

01:18:42.256 --> 01:18:43.705 you know, it was funny.

NOTE Confidence: 0.92381632

01:18:43.705 --> 01:18:45.080 Before I came to Yale,

NOTE Confidence: 0.92381632

01:18:45.080 --> 01:18:46.565 the first people who reached

NOTE Confidence: 0.92381632

01:18:46.565 --> 01:18:48.880 out to me I hadn't even started

NOTE Confidence: 0.92381632

01:18:48.880 --> 01:18:49.764 were the cardiac surgeons.  
NOTE Confidence: 0.92381632

01:18:49.764 --> 01:18:51.559 They sent me an e-mail and they said,  
NOTE Confidence: 0.92381632

01:18:51.560 --> 01:18:53.840 we're so excited you're coming.  
NOTE Confidence: 0.92381632

01:18:53.840 --> 01:18:56.456 They wanted to meet with me  
NOTE Confidence: 0.92381632

01:18:56.456 --> 01:18:58.920 before I even started my job.  
NOTE Confidence: 0.92381632

01:18:58.920 --> 01:19:00.636 Arnor Gerson, who's not here anymore,  
NOTE Confidence: 0.92381632

01:19:00.640 --> 01:19:01.408 but, you know,  
NOTE Confidence: 0.92381632

01:19:01.408 --> 01:19:03.600 he was one of the first people I met.  
NOTE Confidence: 0.92381632

01:19:03.600 --> 01:19:05.556 He said, we want you here.  
NOTE Confidence: 0.92381632

01:19:05.560 --> 01:19:07.352 We need your help.  
NOTE Confidence: 0.92381632

01:19:07.352 --> 01:19:11.310 So I think if if you know it doesn't have  
NOTE Confidence: 0.92381632

01:19:11.310 --> 01:19:13.536 to be a addiction medicine specialist,  
NOTE Confidence: 0.92381632

01:19:13.536 --> 01:19:15.556 but somebody with addiction expertise,  
NOTE Confidence: 0.92381632

01:19:15.560 --> 01:19:18.000 if they can partner with the cardiac surgeon.  
NOTE Confidence: 0.92381632

01:19:18.000 --> 01:19:19.640 I think the cardiac surgeons  
NOTE Confidence: 0.92381632

01:19:19.640 --> 01:19:21.280 are asking for this help.

NOTE Confidence: 0.92381632

01:19:21.280 --> 01:19:22.728 I think if you went to any cardiac

NOTE Confidence: 0.92381632

01:19:22.728 --> 01:19:23.860 surgeon they would say, yeah,

NOTE Confidence: 0.92381632

01:19:23.860 --> 01:19:27.554 I have no idea what to do, I need help.

NOTE Confidence: 0.92381632

01:19:27.554 --> 01:19:29.744 So there certainly are systems

NOTE Confidence: 0.92381632

01:19:29.744 --> 01:19:32.614 around the nation to to provide

NOTE Confidence: 0.92381632

01:19:32.614 --> 01:19:34.526 teleconsult or other expertise

NOTE Confidence: 0.92381632

01:19:34.526 --> 01:19:37.680 even in places that don't have it.

NOTE Confidence: 0.92381632

01:19:37.680 --> 01:19:39.367 But I think it's I think we

NOTE Confidence: 0.92381632

01:19:39.367 --> 01:19:40.640 need our cardiac surgeons,

NOTE Confidence: 0.92381632

01:19:40.640 --> 01:19:43.062 our cardiologists to say just like you

NOTE Confidence: 0.92381632

01:19:43.062 --> 01:19:45.519 know the doctor Pollard in Knoxville,

NOTE Confidence: 0.92381632

01:19:45.520 --> 01:19:45.940 TN.

NOTE Confidence: 0.92381632

01:19:45.940 --> 01:19:48.880 I need this care in my hospital

NOTE Confidence: 0.92381632

01:19:48.880 --> 01:19:50.959 to do a good job.

NOTE Confidence: 0.92381632

01:19:50.960 --> 01:19:52.880 So I think people need to

NOTE Confidence: 0.92381632

01:19:52.880 --> 01:19:54.560 start requiring this of their  
NOTE Confidence: 0.95490848

01:19:54.560 --> 01:19:56.558 health systems. Thank  
NOTE Confidence: 0.89887619

01:19:56.560 --> 01:19:59.270 you. Speaking of cardiac surgeons, Dr.  
NOTE Confidence: 0.89887619

01:19:59.270 --> 01:20:04.288 Thompson. Yeah, so Mark and I go way back,  
NOTE Confidence: 0.89887619

01:20:04.288 --> 01:20:06.280 but never mind that Doctor Thompson.  
NOTE Confidence: 0.750908652222222

01:20:11.560 --> 01:20:14.116 I I retired from practice a couple years ago,  
NOTE Confidence: 0.750908652222222

01:20:14.120 --> 01:20:16.712 and one of the last heart transplants we  
NOTE Confidence: 0.750908652222222

01:20:16.712 --> 01:20:19.880 did before I retired was in a patient with  
NOTE Confidence: 0.750908652222222

01:20:19.880 --> 01:20:24.010 complex endocarditis that had destroyed  
NOTE Confidence: 0.750908652222222

01:20:24.010 --> 01:20:26.640 the the fibrous skeleton of the heart.  
NOTE Confidence: 0.750908652222222

01:20:26.640 --> 01:20:28.320 So there was no there was  
NOTE Confidence: 0.750908652222222

01:20:28.320 --> 01:20:29.680 no way to reconstruct it.  
NOTE Confidence: 0.750908652222222

01:20:29.680 --> 01:20:31.972 It just destroyed the aorta vitral  
NOTE Confidence: 0.750908652222222

01:20:31.972 --> 01:20:34.772 curtain and the only way the only way  
NOTE Confidence: 0.750908652222222

01:20:34.772 --> 01:20:37.417 to get out of this problem was going to  
NOTE Confidence: 0.750908652222222

01:20:37.417 --> 01:20:41.720 be to do a transplant and and we and

NOTE Confidence: 0.750908652222222

01:20:41.720 --> 01:20:44.758 we did and and the patient did fine.

NOTE Confidence: 0.750908652222222

01:20:44.760 --> 01:20:47.334 Now that that patient would have

NOTE Confidence: 0.750908652222222

01:20:47.334 --> 01:20:50.743 been turned down if they if that

NOTE Confidence: 0.750908652222222

01:20:50.743 --> 01:20:53.317 endocarditis was due to IV drug use.

NOTE Confidence: 0.750908652222222

01:20:53.320 --> 01:20:58.040 So why is that why is that ethical

NOTE Confidence: 0.750908652222222

01:20:58.040 --> 01:21:02.001 to to make that decision and and and

NOTE Confidence: 0.750908652222222

01:21:02.001 --> 01:21:04.245 I can tell you that the patient I

NOTE Confidence: 0.750908652222222

01:21:04.245 --> 01:21:06.316 remember the patient came in sick so

NOTE Confidence: 0.750908652222222

01:21:06.316 --> 01:21:08.842 we didn't have the I mean he came in

NOTE Confidence: 0.750908652222222

01:21:08.842 --> 01:21:10.848 desperately I'll so we didn't have

NOTE Confidence: 0.750908652222222

01:21:10.848 --> 01:21:13.010 we didn't have a chance to really

NOTE Confidence: 0.750908652222222

01:21:13.010 --> 01:21:15.572 do it you know to do it the the

NOTE Confidence: 0.750908652222222

01:21:15.572 --> 01:21:17.888 usual careful evaluation of of how

NOTE Confidence: 0.750908652222222

01:21:17.888 --> 01:21:20.200 responsible they were So so we don't

NOTE Confidence: 0.750908652222222

01:21:20.200 --> 01:21:22.305 really know that this guy is going

NOTE Confidence: 0.750908652222222



01:21:22.305 --> 01:21:24.553 to have is going to have this hard  
NOTE Confidence: 0.750908652222222

01:21:24.560 --> 01:21:27.174 and is going to be compliant but we  
NOTE Confidence: 0.750908652222222

01:21:27.174 --> 01:21:29.470 did we did that we did the operation  
NOTE Confidence: 0.750908652222222

01:21:29.543 --> 01:21:31.829 and he did fine but say say he was  
NOTE Confidence: 0.750908652222222

01:21:31.829 --> 01:21:34.360 non compliant Why would it be ethical  
NOTE Confidence: 0.750908652222222

01:21:34.360 --> 01:21:37.545 to say just because it's IV drug  
NOTE Confidence: 0.750908652222222

01:21:37.545 --> 01:21:39.476 abuse that you can't do a transplant.  
NOTE Confidence: 0.894062028

01:21:42.760 --> 01:21:46.824 Well again I I think it's that's a  
NOTE Confidence: 0.894062028

01:21:46.824 --> 01:21:49.148 really complex scenario and I don't  
NOTE Confidence: 0.894062028

01:21:49.148 --> 01:21:51.578 think there's a neat clear cut like  
NOTE Confidence: 0.894062028

01:21:51.578 --> 01:21:53.558 well this is definitely ethical.  
NOTE Confidence: 0.894062028

01:21:53.560 --> 01:21:56.045 This is definitely not ethical as you  
NOTE Confidence: 0.894062028

01:21:56.045 --> 01:21:58.145 identified it's you know you have you  
NOTE Confidence: 0.894062028

01:21:58.145 --> 01:21:59.530 have competing and moral imperatives  
NOTE Confidence: 0.894062028

01:21:59.585 --> 01:22:01.049 you have the imperative to provide  
NOTE Confidence: 0.894062028

01:22:01.049 --> 01:22:03.079 the best care to the patient in front.

NOTE Confidence: 0.894062028

01:22:03.080 --> 01:22:06.112 Of you. But you know there's also the

NOTE Confidence: 0.894062028

01:22:06.112 --> 01:22:08.992 imperative to make sure that an organ

NOTE Confidence: 0.894062028

01:22:08.992 --> 01:22:11.449 that that our medical resources scarce

NOTE Confidence: 0.894062028

01:22:11.449 --> 01:22:14.153 the solid organs is is going to be

NOTE Confidence: 0.894062028

01:22:14.160 --> 01:22:16.986 distributed in in a way that is is fair

NOTE Confidence: 0.894062028

01:22:16.986 --> 01:22:19.719 and also and also maximizes utility.

NOTE Confidence: 0.894062028

01:22:19.720 --> 01:22:24.790 So you know I I I I think as as unsatisfying

NOTE Confidence: 0.894062028

01:22:24.790 --> 01:22:27.055 as this answer is I you know I I think

NOTE Confidence: 0.894062028

01:22:27.055 --> 01:22:28.798 it's going to be very context dependent.

NOTE Confidence: 0.894062028

01:22:28.800 --> 01:22:30.830 And I think in the apps you know you you

NOTE Confidence: 0.894062028

01:22:30.889 --> 01:22:33.073 have to take the information that you have.

NOTE Confidence: 0.894062028

01:22:33.080 --> 01:22:34.720 What context can you glean,

NOTE Confidence: 0.894062028

01:22:34.720 --> 01:22:36.502 what is what kind of social

NOTE Confidence: 0.894062028

01:22:36.502 --> 01:22:38.040 support does the patient have.

NOTE Confidence: 0.894062028

01:22:38.040 --> 01:22:41.800 You know with the information that you have

NOTE Confidence: 0.894062028

01:22:41.800 --> 01:22:45.436 you know is is this patient going to do,  
NOTE Confidence: 0.894062028

01:22:45.440 --> 01:22:47.055 do we reasonably think this  
NOTE Confidence: 0.894062028

01:22:47.055 --> 01:22:49.652 patient would be able to engage in  
NOTE Confidence: 0.894062028

01:22:49.652 --> 01:22:51.476 addiction and addiction treatment.  
NOTE Confidence: 0.894062028

01:22:51.480 --> 01:22:53.610 You know that that's that's sort  
NOTE Confidence: 0.894062028

01:22:53.610 --> 01:22:55.960 of my my ethical answer to that.  
NOTE Confidence: 0.894062028

01:22:55.960 --> 01:22:57.640 You know, in terms of the procedural answer,  
NOTE Confidence: 0.894062028

01:22:57.640 --> 01:23:00.335 I'm, I'm not actually sure you know  
NOTE Confidence: 0.894062028

01:23:00.335 --> 01:23:02.477 whether UNOS has a strict rule about that,  
NOTE Confidence: 0.894062028

01:23:02.480 --> 01:23:04.255 whether that would be automatically  
NOTE Confidence: 0.894062028

01:23:04.255 --> 01:23:06.328 disqualifying or whether it would be  
NOTE Confidence: 0.894062028

01:23:06.328 --> 01:23:08.036 contextual on a case by case basis.  
NOTE Confidence: 0.894062028

01:23:08.040 --> 01:23:11.904 But I think that you know I,  
NOTE Confidence: 0.894062028

01:23:11.904 --> 01:23:12.352 I,  
NOTE Confidence: 0.894062028

01:23:12.352 --> 01:23:15.080 I due diligence to whatever extent  
NOTE Confidence: 0.894062028

01:23:15.080 --> 01:23:17.942 possible would need to happen just as

NOTE Confidence: 0.894062028

01:23:17.942 --> 01:23:19.688 it does with with organ transplants

NOTE Confidence: 0.894062028

01:23:19.688 --> 01:23:21.673 and anyone to you know ensure that

NOTE Confidence: 0.894062028

01:23:21.673 --> 01:23:23.619 someone's going to be able to care

NOTE Confidence: 0.894062028

01:23:23.619 --> 01:23:25.233 for the organ that they receive.

NOTE Confidence: 0.894062028

01:23:25.240 --> 01:23:28.323 Because it involves a lot of as as you

NOTE Confidence: 0.894062028

01:23:28.323 --> 01:23:30.009 know it involves really close follow

NOTE Confidence: 0.894062028

01:23:30.009 --> 01:23:32.769 up a really complex regimen of of

NOTE Confidence: 0.894062028

01:23:32.769 --> 01:23:34.377 immunosuppressive medication to prevent

NOTE Confidence: 0.894062028

01:23:34.441 --> 01:23:36.799 rejection in addition to everything else.

NOTE Confidence: 0.894062028

01:23:36.800 --> 01:23:38.879 And so I I think you know,

NOTE Confidence: 0.894062028

01:23:38.880 --> 01:23:41.055 categorical green lights or categorical

NOTE Confidence: 0.894062028

01:23:41.055 --> 01:23:43.230 denial is often unhelpful and

NOTE Confidence: 0.894062028

01:23:43.299 --> 01:23:44.763 really understanding a patient's

NOTE Confidence: 0.894062028

01:23:44.763 --> 01:23:47.316 context and you know in a case

NOTE Confidence: 0.894062028

01:23:47.316 --> 01:23:49.360 by case basis is is critical in,

NOTE Confidence: 0.894062028

01:23:49.360 --> 01:23:50.400 in this type of scenario.  
NOTE Confidence: 0.830813765833333

01:23:51.560 --> 01:23:52.808 OK. The last question in the  
NOTE Confidence: 0.830813765833333

01:23:52.808 --> 01:23:54.040 evening and I apologize to those,  
NOTE Confidence: 0.830813765833333

01:23:54.040 --> 01:23:55.680 I know a lot of folks have stuff  
NOTE Confidence: 0.830813765833333

01:23:55.680 --> 01:23:57.223 they want to say and I apologize  
NOTE Confidence: 0.830813765833333

01:23:57.223 --> 01:23:58.600 to our friends on the line,  
NOTE Confidence: 0.830813765833333

01:23:58.600 --> 01:23:59.734 but we're just going to have one  
NOTE Confidence: 0.830813765833333

01:23:59.734 --> 01:24:00.960 more question for tonight, please.  
NOTE Confidence: 0.96203075125

01:24:01.760 --> 01:24:04.040 Hi, thank you so much for your talk.  
NOTE Confidence: 0.96203075125

01:24:04.040 --> 01:24:07.359 So in liver transplantation,  
NOTE Confidence: 0.96203075125

01:24:07.360 --> 01:24:10.048 they're sort of a similar dichotomy  
NOTE Confidence: 0.96203075125

01:24:10.048 --> 01:24:12.710 where many institutions require  
NOTE Confidence: 0.96203075125

01:24:12.710 --> 01:24:14.690 a six month period of sobriety  
NOTE Confidence: 0.96203075125

01:24:14.690 --> 01:24:16.920 and like quote UN quote active  
NOTE Confidence: 0.96203075125

01:24:16.920 --> 01:24:18.840 recovery prior to liver transplant.  
NOTE Confidence: 0.96203075125

01:24:18.840 --> 01:24:21.080 And in 2019, there was a Hopkins

NOTE Confidence: 0.96203075125

01:24:21.080 --> 01:24:23.580 study that showed that the rates of

NOTE Confidence: 0.96203075125

01:24:23.580 --> 01:24:25.800 relapse and that the rates of bad

NOTE Confidence: 0.96203075125

01:24:25.800 --> 01:24:27.080 outcomes following liver transplant

NOTE Confidence: 0.96203075125

01:24:27.080 --> 01:24:28.799 were no different in patients that

NOTE Confidence: 0.96203075125

01:24:28.800 --> 01:24:30.648 had the six month sobriety and active

NOTE Confidence: 0.96203075125

01:24:30.648 --> 01:24:32.810 recovery period for alcohol related

NOTE Confidence: 0.96203075125

01:24:32.810 --> 01:24:35.635 hepatitis and patients who didn't.

NOTE Confidence: 0.96203075125

01:24:35.640 --> 01:24:36.960 And there's also been similar

NOTE Confidence: 0.96203075125

01:24:36.960 --> 01:24:38.704 studies published in Europe that were

NOTE Confidence: 0.96203075125

01:24:38.704 --> 01:24:40.192 published in the New England Journal.

NOTE Confidence: 0.96203075125

01:24:40.200 --> 01:24:43.520 But we still see so many institutions

NOTE Confidence: 0.96203075125

01:24:43.520 --> 01:24:45.280 today that have not adopted

NOTE Confidence: 0.952986822857143

01:24:46.160 --> 01:24:47.753 these updated practices

NOTE Confidence: 0.952986822857143

01:24:47.753 --> 01:24:49.877 based on the evidence.

NOTE Confidence: 0.937213891428571

01:24:49.880 --> 01:24:52.120 So obviously across medicine there's a lot

NOTE Confidence: 0.94933921

01:24:52.120 --> 01:24:54.786 of evidence based findings that  
NOTE Confidence: 0.94933921

01:24:54.786 --> 01:24:56.639 never quite get integrated into  
NOTE Confidence: 0.962956466666667

01:24:56.640 --> 01:24:58.148 clinical practice. But like  
NOTE Confidence: 0.962956466666667

01:24:58.148 --> 01:25:00.033 how do we get institutions  
NOTE Confidence: 0.96199664

01:25:00.040 --> 01:25:03.834 to see these research findings and see,  
NOTE Confidence: 0.96199664

01:25:03.840 --> 01:25:05.400 you know, what's happening here and  
NOTE Confidence: 0.96199664

01:25:05.400 --> 01:25:07.892 actually adopt those things and use  
NOTE Confidence: 0.96199664

01:25:07.892 --> 01:25:09.920 the evidence to overcome the stigma?  
NOTE Confidence: 0.72271115

01:25:13.400 --> 01:25:14.594 Well, I was going to bring that up,  
NOTE Confidence: 0.94689111

01:25:14.600 --> 01:25:17.240 but you did. So, thank you.  
NOTE Confidence: 0.919896404285714

01:25:19.320 --> 01:25:22.175 Yeah, it's hard medicine moves  
NOTE Confidence: 0.919896404285714

01:25:22.175 --> 01:25:24.244 slowly and addiction treatment in  
NOTE Confidence: 0.919896404285714

01:25:24.244 --> 01:25:26.788 and of itself or addiction in and of  
NOTE Confidence: 0.919896404285714

01:25:26.788 --> 01:25:28.438 itself is siloed within medicine,  
NOTE Confidence: 0.919896404285714

01:25:28.440 --> 01:25:34.160 I would say and has its own amount of stigma.  
NOTE Confidence: 0.919896404285714

01:25:34.160 --> 01:25:36.036 So I think we just need to

NOTE Confidence: 0.919896404285714

01:25:36.036 --> 01:25:36.840 normalize the conversation.

NOTE Confidence: 0.919896404285714

01:25:36.840 --> 01:25:39.138 We need to have conversations like

NOTE Confidence: 0.919896404285714

01:25:39.138 --> 01:25:41.719 we're having now and talk about the

NOTE Confidence: 0.919896404285714

01:25:41.720 --> 01:25:43.960 talk about these hard questions.

NOTE Confidence: 0.919896404285714

01:25:43.960 --> 01:25:47.120 Ask these hard questions,

NOTE Confidence: 0.919896404285714

01:25:47.120 --> 01:25:49.220 elevate the knowledge about

NOTE Confidence: 0.919896404285714

01:25:49.220 --> 01:25:50.795 addiction being treatable,

NOTE Confidence: 0.919896404285714

01:25:50.800 --> 01:25:53.524 elevate the options that patients are

NOTE Confidence: 0.919896404285714

01:25:53.524 --> 01:25:56.679 able to access evidence based treatments.

NOTE Confidence: 0.919896404285714

01:25:56.680 --> 01:25:58.280 Speaking of alcohol use disorder,

NOTE Confidence: 0.919896404285714

01:25:58.280 --> 01:26:00.520 you know, I said you know,

NOTE Confidence: 0.919896404285714

01:26:00.520 --> 01:26:02.386 less than 11% of people got

NOTE Confidence: 0.919896404285714

01:26:02.386 --> 01:26:03.754 opioid use disorder treatment,

NOTE Confidence: 0.919896404285714

01:26:03.760 --> 01:26:06.832 less than 2% of people with alcohol use

NOTE Confidence: 0.919896404285714

01:26:06.832 --> 01:26:09.519 disorder get evidence based treatment.

NOTE Confidence: 0.919896404285714



01:26:09.520 --> 01:26:12.278 Why? You know, like these are safe,  
NOTE Confidence: 0.919896404285714

01:26:12.280 --> 01:26:13.172 effective medications,  
NOTE Confidence: 0.919896404285714

01:26:13.172 --> 01:26:16.294 safer and more effective than many other  
NOTE Confidence: 0.919896404285714

01:26:16.294 --> 01:26:18.399 medicines that we have than statins,  
NOTE Confidence: 0.919896404285714

01:26:18.400 --> 01:26:21.080 way more effective than statins,  
NOTE Confidence: 0.919896404285714

01:26:21.080 --> 01:26:23.432 more effective than antidepressants,  
NOTE Confidence: 0.919896404285714

01:26:23.432 --> 01:26:26.336 more effective than venous thrombosis,  
NOTE Confidence: 0.919896404285714

01:26:26.336 --> 01:26:29.744 Prophylaxis like more effective than those  
NOTE Confidence: 0.919896404285714

01:26:29.744 --> 01:26:32.960 three things which we use all the time.  
NOTE Confidence: 0.919896404285714

01:26:32.960 --> 01:26:33.845 So you know,  
NOTE Confidence: 0.919896404285714

01:26:33.845 --> 01:26:35.615 but when's the last time you  
NOTE Confidence: 0.919896404285714

01:26:35.615 --> 01:26:37.233 offered naltrexone to somebody  
NOTE Confidence: 0.919896404285714

01:26:37.233 --> 01:26:38.917 with alcohol use disorder?  
NOTE Confidence: 0.919896404285714

01:26:38.920 --> 01:26:40.880 Hopefully it was today.  
NOTE Confidence: 0.919896404285714

01:26:40.880 --> 01:26:43.040 For me it was let's  
NOTE Confidence: 0.95444568125

01:26:43.080 --> 01:26:43.760 just go with that.

NOTE Confidence: 0.95444568125  
01:26:43.760 --> 01:26:45.118 Let's go with that. It was today  
NOTE Confidence: 0.953277235  
01:26:45.200 --> 01:26:47.918 anyway. So these are hard questions.  
NOTE Confidence: 0.953277235  
01:26:47.920 --> 01:26:49.640 Change in medicine takes time.  
NOTE Confidence: 0.953277235  
01:26:49.640 --> 01:26:51.572 We need to elevate the conversation  
NOTE Confidence: 0.953277235  
01:26:51.572 --> 01:26:53.945 and open up these these ask these  
NOTE Confidence: 0.953277235  
01:26:53.945 --> 01:26:55.985 hard questions of our health systems  
NOTE Confidence: 0.953277235  
01:26:55.985 --> 01:26:58.062 and get our health systems to  
NOTE Confidence: 0.953277235  
01:26:58.062 --> 01:26:59.648 support having addiction treatment  
NOTE Confidence: 0.953277235  
01:26:59.648 --> 01:27:01.240 or integrated addiction treatment.  
NOTE Confidence: 0.918828778  
01:27:02.280 --> 01:27:03.352 Thank you very much.  
NOTE Confidence: 0.918828778  
01:27:03.352 --> 01:27:04.960 Please join me in thanking Dr.  
NOTE Confidence: 0.918828778  
01:27:04.960 --> 01:27:05.800 Holland, Doctor Weimer.  
NOTE Confidence: 0.931056892857143  
01:27:11.040 --> 01:27:12.388 That's it for tonight.  
NOTE Confidence: 0.931056892857143  
01:27:12.388 --> 01:27:13.399 Thanks so much.  
NOTE Confidence: 0.931056892857143  
01:27:13.400 --> 01:27:14.772 We're going to send out a note  
NOTE Confidence: 0.931056892857143

01:27:14.772 --> 01:27:15.760 tomorrow about the next one,

NOTE Confidence: 0.931056892857143

01:27:15.760 --> 01:27:19.000 and we'll see you soon.