

WEBVTT

NOTE duration:"01:05:22"

NOTE recognizability:0.875

NOTE language:en-us

NOTE Confidence: 0.821671861666667

00:00:13.380 --> 00:00:17.040 Welcome to simulation at Yale 2022.

NOTE Confidence: 0.821671861666667

00:00:17.040 --> 00:00:19.340 Adapting to the changing educational

NOTE Confidence: 0.821671861666667

00:00:19.340 --> 00:00:20.560 and healthcare landscape,

NOTE Confidence: 0.821671861666667

00:00:20.560 --> 00:00:22.805 there will be time for Q&A.

NOTE Confidence: 0.821671861666667

00:00:22.805 --> 00:00:24.275 At the end of the session,

NOTE Confidence: 0.821671861666667

00:00:24.280 --> 00:00:25.510 please use the chat feature

NOTE Confidence: 0.821671861666667

00:00:25.510 --> 00:00:26.940 at the bottom of your screen

NOTE Confidence: 0.821671861666667

00:00:26.940 --> 00:00:28.540 to submit any questions.

NOTE Confidence: 0.9345085425

00:00:28.580 --> 00:00:30.390 This session is being recorded.

NOTE Confidence: 0.915200882666667

00:00:34.610 --> 00:00:36.776 Hello and welcome to the second

NOTE Confidence: 0.915200882666667

00:00:36.776 --> 00:00:38.788 webinar in our inaugural innovation

NOTE Confidence: 0.915200882666667

00:00:38.788 --> 00:00:40.800 in Medical Education series.

NOTE Confidence: 0.915200882666667

00:00:40.800 --> 00:00:42.540 As you just heard,

NOTE Confidence: 0.915200882666667

00:00:42.540 --> 00:00:45.882 today's topic is simulation at Yale in 2022.
NOTE Confidence: 0.915200882666667

00:00:45.882 --> 00:00:48.774 Adapting to the changing educational and
NOTE Confidence: 0.915200882666667

00:00:48.774 --> 00:00:50.904 healthcare landscape I am Jessica Lucy,
NOTE Confidence: 0.915200882666667

00:00:50.904 --> 00:00:52.650 the deputy Dean for education at
NOTE Confidence: 0.915200882666667

00:00:52.712 --> 00:00:54.553 the School of Medicine and I want
NOTE Confidence: 0.915200882666667

00:00:54.553 --> 00:00:56.359 to thank you for taking time out
NOTE Confidence: 0.915200882666667

00:00:56.359 --> 00:00:58.871 of your day to join us for an in
NOTE Confidence: 0.915200882666667

00:00:58.871 --> 00:01:00.299 depth presentation and discussion
NOTE Confidence: 0.915200882666667

00:01:00.299 --> 00:01:02.140 of how innovations and stimulation
NOTE Confidence: 0.915200882666667

00:01:02.140 --> 00:01:04.258 are being used in our curriculum.
NOTE Confidence: 0.915200882666667

00:01:04.260 --> 00:01:05.988 To enhance learning.
NOTE Confidence: 0.915200882666667

00:01:05.988 --> 00:01:09.220 With health care and educational technology
NOTE Confidence: 0.915200882666667

00:01:09.220 --> 00:01:13.008 changing at such a rapid pace, we are.
NOTE Confidence: 0.915200882666667

00:01:13.008 --> 00:01:14.584 We are prioritizing our
NOTE Confidence: 0.915200882666667

00:01:14.584 --> 00:01:16.160 investment in our faculty,
NOTE Confidence: 0.915200882666667

00:01:16.160 --> 00:01:19.044 students and curriculum to ensure Yale School

NOTE Confidence: 0.915200882666667

00:01:19.044 --> 00:01:21.937 of Medicine is a leader in this space,

NOTE Confidence: 0.915200882666667

00:01:21.940 --> 00:01:24.376 I'd now like to introduce Michael Schwartz,

NOTE Confidence: 0.915200882666667

00:01:24.380 --> 00:01:25.550 our associate Dean,

NOTE Confidence: 0.915200882666667

00:01:25.550 --> 00:01:28.193 for the curriculum and newly appointed

NOTE Confidence: 0.915200882666667

00:01:28.193 --> 00:01:31.139 Director of Innovation in Medical Education.

NOTE Confidence: 0.915200882666667

00:01:31.140 --> 00:01:33.429 Mike is leading our efforts to re

NOTE Confidence: 0.915200882666667

00:01:33.429 --> 00:01:35.378 Envision and expand how we use

NOTE Confidence: 0.915200882666667

00:01:35.378 --> 00:01:37.492 technology and other tools to meet the

NOTE Confidence: 0.915200882666667

00:01:37.556 --> 00:01:40.188 needs of our changing learners in an

NOTE Confidence: 0.915200882666667

00:01:40.188 --> 00:01:41.708 ever evolving healthcare landscape.

NOTE Confidence: 0.915200882666667

00:01:41.708 --> 00:01:44.812 With that I'll turn it over to Mike.

NOTE Confidence: 0.915200882666667

00:01:44.820 --> 00:01:45.500 Thanks, Mike.

NOTE Confidence: 0.947680705714286

00:01:46.230 --> 00:01:47.945 Thank you Jessica and thank you to

NOTE Confidence: 0.947680705714286

00:01:47.945 --> 00:01:49.989 all of you for joining us tonight.

NOTE Confidence: 0.947680705714286

00:01:49.990 --> 00:01:52.678 I'm I'm very excited to be able to

NOTE Confidence: 0.947680705714286

00:01:52.678 --> 00:01:55.410 introduce this second session in our series,
NOTE Confidence: 0.947680705714286

00:01:55.410 --> 00:01:58.074 which will focus, as Jessica mentioned
NOTE Confidence: 0.947680705714286

00:01:58.074 --> 00:02:00.620 on simulation and medical education.
NOTE Confidence: 0.947680705714286

00:02:00.620 --> 00:02:03.091 Tonight you will hear and experience how
NOTE Confidence: 0.947680705714286

00:02:03.091 --> 00:02:05.016 simulation has been integrated across
NOTE Confidence: 0.947680705714286

00:02:05.016 --> 00:02:07.416 all phases of our medical educational
NOTE Confidence: 0.947680705714286

00:02:07.416 --> 00:02:09.695 programs and you'll hear about the
NOTE Confidence: 0.947680705714286

00:02:09.695 --> 00:02:11.460 creativity and the leadership that
NOTE Confidence: 0.947680705714286

00:02:11.460 --> 00:02:13.765 the simulation team has brought not
NOTE Confidence: 0.947680705714286

00:02:13.765 --> 00:02:16.100 only to medical education at Yale,
NOTE Confidence: 0.947680705714286

00:02:16.100 --> 00:02:18.140 but also across the country and
NOTE Confidence: 0.947680705714286

00:02:18.140 --> 00:02:20.400 even to our community in New Haven.
NOTE Confidence: 0.947680705714286

00:02:20.400 --> 00:02:22.140 Through innovative outreach programs.
NOTE Confidence: 0.947680705714286

00:02:22.140 --> 00:02:25.311 To lead us on this journey of
NOTE Confidence: 0.947680705714286

00:02:25.311 --> 00:02:26.787 innovation and creativity,
NOTE Confidence: 0.947680705714286

00:02:26.790 --> 00:02:29.240 it is my great pleasure

NOTE Confidence: 0.947680705714286

00:02:29.240 --> 00:02:31.200 to introduce Lee Evans.

NOTE Confidence: 0.947680705714286

00:02:31.200 --> 00:02:33.314 Doctor Lee Evans is the inaugural director

NOTE Confidence: 0.947680705714286

00:02:33.314 --> 00:02:35.960 of the Yale Center for Medical Simulation,

NOTE Confidence: 0.947680705714286

00:02:35.960 --> 00:02:38.480 which he founded in 2015.

NOTE Confidence: 0.947680705714286

00:02:38.480 --> 00:02:40.960 Lee is an associate professor.

NOTE Confidence: 0.947680705714286

00:02:40.960 --> 00:02:42.148 In simulation section,

NOTE Confidence: 0.947680705714286

00:02:42.148 --> 00:02:44.524 chief and emergency medicine at Yale

NOTE Confidence: 0.947680705714286

00:02:44.524 --> 00:02:47.000 School of Medicine and she's been the

NOTE Confidence: 0.947680705714286

00:02:47.000 --> 00:02:49.217 executive director of the Yale Center

NOTE Confidence: 0.947680705714286

00:02:49.217 --> 00:02:51.647 for Medical Education since its inception.

NOTE Confidence: 0.947680705714286

00:02:51.650 --> 00:02:53.200 She has been the recipient

NOTE Confidence: 0.947680705714286

00:02:53.200 --> 00:02:54.440 of multiple teaching awards,

NOTE Confidence: 0.947680705714286

00:02:54.440 --> 00:02:56.930 including the Banfa Teaching Award,

NOTE Confidence: 0.947680705714286

00:02:56.930 --> 00:02:57.850 the Alvan,

NOTE Confidence: 0.947680705714286

00:02:57.850 --> 00:02:59.230 Feinstein Teaching Award,

NOTE Confidence: 0.947680705714286

00:02:59.230 --> 00:03:02.092 and she is currently the principal
NOTE Confidence: 0.947680705714286

00:03:02.092 --> 00:03:04.572 investigator of an AHRQ grant
NOTE Confidence: 0.947680705714286

00:03:04.572 --> 00:03:06.656 focused on adaptive simulation
NOTE Confidence: 0.947680705714286

00:03:06.656 --> 00:03:09.284 interventions to reduce COVID induced
NOTE Confidence: 0.947680705714286

00:03:09.284 --> 00:03:11.609 stress on health care workers.
NOTE Confidence: 0.947680705714286

00:03:11.610 --> 00:03:13.725 So it's not to take away from this great
NOTE Confidence: 0.947680705714286

00:03:13.725 --> 00:03:15.728 the time of this great presentation,
NOTE Confidence: 0.947680705714286

00:03:15.730 --> 00:03:15.929 Lee.
NOTE Confidence: 0.947680705714286

00:03:15.929 --> 00:03:17.720 I'm going to turn the baton over to you.
NOTE Confidence: 0.82309044

00:03:19.510 --> 00:03:20.920 OK, thanks Mike.
NOTE Confidence: 0.82309044

00:03:20.920 --> 00:03:23.740 I'm going to share my screen.
NOTE Confidence: 0.945388310666667

00:03:36.070 --> 00:03:38.135 So thank you for joining us for
NOTE Confidence: 0.945388310666667

00:03:38.135 --> 00:03:39.943 the 2nd innovations in Medical
NOTE Confidence: 0.945388310666667

00:03:39.943 --> 00:03:41.230 Education Webinar tonight.
NOTE Confidence: 0.945388310666667

00:03:41.230 --> 00:03:43.360 The faculty at the Yale Center
NOTE Confidence: 0.945388310666667

00:03:43.360 --> 00:03:45.166 for Medical Simulation and three

NOTE Confidence: 0.945388310666667
00:03:45.166 --> 00:03:47.074 medical students plan to expose you
NOTE Confidence: 0.945388310666667
00:03:47.074 --> 00:03:49.464 to all of the innovative simulation
NOTE Confidence: 0.945388310666667
00:03:49.464 --> 00:03:52.206 opportunities we offer for our students.
NOTE Confidence: 0.945388310666667
00:03:52.210 --> 00:03:54.394 In 2009, Chesley Sullenberger was able
NOTE Confidence: 0.945388310666667
00:03:54.394 --> 00:03:57.250 to do an emergency landing of his US
NOTE Confidence: 0.945388310666667
00:03:57.250 --> 00:03:59.242 Airways plane on the Hudson River,
NOTE Confidence: 0.945388310666667
00:03:59.250 --> 00:04:02.090 saving the lives of many of his passengers.
NOTE Confidence: 0.945388310666667
00:04:02.090 --> 00:04:05.233 He attributed his success to his extensive
NOTE Confidence: 0.945388310666667
00:04:05.233 --> 00:04:07.250 previous simulated flight training.
NOTE Confidence: 0.945388310666667
00:04:07.250 --> 00:04:09.812 Similarly, we at the Yale Center for
NOTE Confidence: 0.945388310666667
00:04:09.812 --> 00:04:11.433 Medical Simulation use simulation
NOTE Confidence: 0.945388310666667
00:04:11.433 --> 00:04:14.151 education to train students to primarily
NOTE Confidence: 0.945388310666667
00:04:14.151 --> 00:04:16.699 manage acute clinical problems in a
NOTE Confidence: 0.945388310666667
00:04:16.699 --> 00:04:18.564 patient safe environment that they
NOTE Confidence: 0.945388310666667
00:04:18.564 --> 00:04:20.588 would never have the opportunity
NOTE Confidence: 0.945388310666667

00:04:20.588 --> 00:04:23.144 to do in the hospital setting.
NOTE Confidence: 0.945388310666667

00:04:23.150 --> 00:04:25.271 The mission of the Yale Center for
NOTE Confidence: 0.945388310666667

00:04:25.271 --> 00:04:26.954 Medical Simulation is to provide
NOTE Confidence: 0.945388310666667

00:04:26.954 --> 00:04:28.739 excellent patient care and health
NOTE Confidence: 0.945388310666667

00:04:28.739 --> 00:04:30.378 care delivery through innovative
NOTE Confidence: 0.945388310666667

00:04:30.378 --> 00:04:32.372 medical education assessment,
NOTE Confidence: 0.945388310666667

00:04:32.372 --> 00:04:35.318 research and outreach.
NOTE Confidence: 0.945388310666667

00:04:35.320 --> 00:04:37.168 Earlier this month we received
NOTE Confidence: 0.945388310666667

00:04:37.168 --> 00:04:38.903 notification that Yale Center for
NOTE Confidence: 0.945388310666667

00:04:38.903 --> 00:04:40.519 Medical Simulation has received
NOTE Confidence: 0.945388310666667

00:04:40.519 --> 00:04:42.529 full accreditation from the Society
NOTE Confidence: 0.945388310666667

00:04:42.529 --> 00:04:44.260 for Simulation and Health Care.
NOTE Confidence: 0.945388310666667

00:04:44.260 --> 00:04:46.640 In all, 5 program Areas,
NOTE Confidence: 0.945388310666667

00:04:46.640 --> 00:04:48.116 Assessment fellowship,
NOTE Confidence: 0.945388310666667

00:04:48.116 --> 00:04:51.806 research systems integration and teaching,
NOTE Confidence: 0.945388310666667

00:04:51.810 --> 00:04:54.660 and education.

NOTE Confidence: 0.945388310666667
00:04:54.660 --> 00:04:56.748 The Yale Center for Medical Simulation
NOTE Confidence: 0.945388310666667
00:04:56.748 --> 00:04:58.715 is located at 728 Howard Ave,
NOTE Confidence: 0.945388310666667
00:04:58.715 --> 00:05:00.545 one block away from both the
NOTE Confidence: 0.945388310666667
00:05:00.545 --> 00:05:02.408 Sterling Hall of Medicine and the
NOTE Confidence: 0.945388310666667
00:05:02.408 --> 00:05:03.903 York Street campus of Yale,
NOTE Confidence: 0.945388310666667
00:05:03.910 --> 00:05:04.945 New Haven Hospital.
NOTE Confidence: 0.945388310666667
00:05:04.945 --> 00:05:06.670 This provides an ideal location
NOTE Confidence: 0.945388310666667
00:05:06.670 --> 00:05:08.826 for easy access to the Center
NOTE Confidence: 0.945388310666667
00:05:08.826 --> 00:05:10.581 for medical students during their
NOTE Confidence: 0.945388310666667
00:05:10.581 --> 00:05:12.656 entire four years of medical school.
NOTE Confidence: 0.945388310666667
00:05:12.660 --> 00:05:14.496 Our state of the art facility
NOTE Confidence: 0.945388310666667
00:05:14.496 --> 00:05:17.740 opened in January of 2015.
NOTE Confidence: 0.945388310666667
00:05:17.740 --> 00:05:19.924 I traveled throughout the country to visit
NOTE Confidence: 0.945388310666667
00:05:19.924 --> 00:05:21.260 multiple different simulation centers.
NOTE Confidence: 0.945388310666667
00:05:21.260 --> 00:05:22.725 When we're in the process
NOTE Confidence: 0.945388310666667

00:05:22.725 --> 00:05:23.897 of developing our plan,
NOTE Confidence: 0.945388310666667

00:05:23.900 --> 00:05:26.366 we eventually chose to hire HGA
NOTE Confidence: 0.945388310666667

00:05:26.366 --> 00:05:27.599 architects from Minneapolis,
NOTE Confidence: 0.945388310666667

00:05:27.600 --> 00:05:29.640 who also built the simulation
NOTE Confidence: 0.945388310666667

00:05:29.640 --> 00:05:31.680 center at the Mayo Clinic.
NOTE Confidence: 0.945388310666667

00:05:31.680 --> 00:05:34.319 YCMS is a 5000 square foot space.
NOTE Confidence: 0.945388310666667

00:05:34.320 --> 00:05:36.510 I'm not going to take you on a virtual tour.
NOTE Confidence: 0.911651182142857

00:05:38.640 --> 00:05:40.768 Our interest is on Howard Ave and
NOTE Confidence: 0.911651182142857

00:05:40.768 --> 00:05:42.504 students are able to gain access
NOTE Confidence: 0.911651182142857

00:05:42.504 --> 00:05:44.760 to YCMS with their Yale ID's.
NOTE Confidence: 0.911651182142857

00:05:44.760 --> 00:05:47.259 We have three full time staff members,
NOTE Confidence: 0.911651182142857

00:05:47.260 --> 00:05:49.595 Joy Grabo, our simulation supervisor
NOTE Confidence: 0.911651182142857

00:05:49.595 --> 00:05:52.699 Luis Cruz and Jeff Hoffman are
NOTE Confidence: 0.911651182142857

00:05:52.699 --> 00:05:54.760 simulation operation specialists.
NOTE Confidence: 0.911651182142857

00:05:54.760 --> 00:05:56.420 There are four simulation rooms
NOTE Confidence: 0.911651182142857

00:05:56.420 --> 00:05:58.999 in each room there is a high

NOTE Confidence: 0.911651182142857
00:05:58.999 --> 00:06:00.277 fidelity manikin simulator.
NOTE Confidence: 0.911651182142857
00:06:00.280 --> 00:06:02.204 Their computer controlled mechanical
NOTE Confidence: 0.911651182142857
00:06:02.204 --> 00:06:05.090 simulators that mimic human Physiology and
NOTE Confidence: 0.911651182142857
00:06:05.154 --> 00:06:07.529 display symptoms and disease processes.
NOTE Confidence: 0.911651182142857
00:06:07.530 --> 00:06:09.945 As they present in an actual patient,
NOTE Confidence: 0.911651182142857
00:06:09.950 --> 00:06:12.548 they can speak, blink their eyes.
NOTE Confidence: 0.911651182142857
00:06:12.550 --> 00:06:14.358 They have palpable pulses,
NOTE Confidence: 0.911651182142857
00:06:14.358 --> 00:06:16.166 lung and heart sounds.
NOTE Confidence: 0.911651182142857
00:06:16.170 --> 00:06:17.151 During the scenario,
NOTE Confidence: 0.911651182142857
00:06:17.151 --> 00:06:19.928 there is a faculty member in the control
NOTE Confidence: 0.911651182142857
00:06:19.928 --> 00:06:22.466 room along with a simulation specialist.
NOTE Confidence: 0.911651182142857
00:06:22.470 --> 00:06:25.320 Yale faculty do not require sophisticated
NOTE Confidence: 0.911651182142857
00:06:25.320 --> 00:06:27.910 simulation computer skills to use YCMS.
NOTE Confidence: 0.911651182142857
00:06:27.910 --> 00:06:30.010 We create the computer programming
NOTE Confidence: 0.911651182142857
00:06:30.010 --> 00:06:32.480 based on their learning objectives.
NOTE Confidence: 0.911651182142857

00:06:32.480 --> 00:06:35.316 We have designed over 200 scenarios with
NOTE Confidence: 0.911651182142857

00:06:35.316 --> 00:06:37.550 learning objectives and critical actions.
NOTE Confidence: 0.911651182142857

00:06:37.550 --> 00:06:39.930 Critical actions are divided into
NOTE Confidence: 0.911651182142857

00:06:39.930 --> 00:06:41.834 clinical management and teamwork
NOTE Confidence: 0.911651182142857

00:06:41.834 --> 00:06:44.089 and communication categories.
NOTE Confidence: 0.911651182142857

00:06:44.090 --> 00:06:46.410 We included a simulated OR scrub room
NOTE Confidence: 0.911651182142857

00:06:46.410 --> 00:06:48.323 for students to practice learning how
NOTE Confidence: 0.911651182142857

00:06:48.323 --> 00:06:50.363 to enter the OR during the pre suit
NOTE Confidence: 0.911651182142857

00:06:50.363 --> 00:06:52.247 precede for their surgery clerkships.
NOTE Confidence: 0.868186389166667

00:06:56.580 --> 00:06:58.584 Our procedure room allows students to
NOTE Confidence: 0.868186389166667

00:06:58.584 --> 00:07:01.119 practice a variety of invasive procedures.
NOTE Confidence: 0.868186389166667

00:07:01.120 --> 00:07:03.316 We have all the ultrasound machines
NOTE Confidence: 0.868186389166667

00:07:03.316 --> 00:07:05.640 available to students in the hospital.
NOTE Confidence: 0.868186389166667

00:07:05.640 --> 00:07:09.060 And students use partial task trainers.
NOTE Confidence: 0.868186389166667

00:07:09.060 --> 00:07:12.876 To perform slit lamp exams practice
NOTE Confidence: 0.868186389166667

00:07:12.876 --> 00:07:14.784 advanced airway management.

NOTE Confidence: 0.868186389166667
00:07:14.790 --> 00:07:19.393 Lumbar punctures central venous catheter
NOTE Confidence: 0.868186389166667
00:07:19.393 --> 00:07:22.198 insertions and ultrasound guided Ivs.
NOTE Confidence: 0.816834615
00:07:28.330 --> 00:07:30.130 Our pediatric simulations require
NOTE Confidence: 0.816834615
00:07:30.130 --> 00:07:32.890 the most diverse group of simulators.
NOTE Confidence: 0.816834615
00:07:32.890 --> 00:07:35.740 We have a newborn infant and
NOTE Confidence: 0.816834615
00:07:35.740 --> 00:07:37.640 child high fidelity simulators.
NOTE Confidence: 0.816834615
00:07:37.640 --> 00:07:40.280 We also have a SIM mom for
NOTE Confidence: 0.816834615
00:07:40.280 --> 00:07:41.140 obstetrical emergencies.
NOTE Confidence: 0.816834615
00:07:41.140 --> 00:07:43.275 We have all of the required equipment
NOTE Confidence: 0.816834615
00:07:43.275 --> 00:07:45.310 for management of pediatric patients.
NOTE Confidence: 0.890031680714286
00:07:50.630 --> 00:07:54.382 So in 2022, the key question facing medical
NOTE Confidence: 0.890031680714286
00:07:54.382 --> 00:07:58.010 educators is who controls medical education?
NOTE Confidence: 0.890031680714286
00:07:58.010 --> 00:08:00.218 It is becoming more and more clear that
NOTE Confidence: 0.890031680714286
00:08:00.218 --> 00:08:01.863 medical students want to control the
NOTE Confidence: 0.890031680714286
00:08:01.863 --> 00:08:03.761 sources of their education and be more
NOTE Confidence: 0.890031680714286

00:08:03.761 --> 00:08:05.441 involved in the self learning process

NOTE Confidence: 0.890031680714286

00:08:05.441 --> 00:08:08.186 early in their medical education.

NOTE Confidence: 0.890031680714286

00:08:08.186 --> 00:08:11.978 Students are outsourcing their.

NOTE Confidence: 0.890031680714286

00:08:11.980 --> 00:08:13.436 Formal curriculum with additional

NOTE Confidence: 0.890031680714286

00:08:13.436 --> 00:08:15.256 resources like boards and beyond.

NOTE Confidence: 0.890031680714286

00:08:15.260 --> 00:08:18.750 Lectures, Anki, flash cards, etc.

NOTE Confidence: 0.890031680714286

00:08:18.750 --> 00:08:20.886 Simulation training offers students

NOTE Confidence: 0.890031680714286

00:08:20.886 --> 00:08:23.022 unique educational opportunities not

NOTE Confidence: 0.890031680714286

00:08:23.022 --> 00:08:25.104 available online yet still designed

NOTE Confidence: 0.890031680714286

00:08:25.104 --> 00:08:27.330 and taught by Yale faculty both in

NOTE Confidence: 0.890031680714286

00:08:27.390 --> 00:08:29.310 the pre clerkship curriculum and

NOTE Confidence: 0.890031680714286

00:08:29.310 --> 00:08:31.230 while on the clinical services.

NOTE Confidence: 0.70588825

00:08:34.370 --> 00:08:35.901 The COVID pandemic posed a

NOTE Confidence: 0.70588825

00:08:35.901 --> 00:08:37.586 challenge to Yale Medical School,

NOTE Confidence: 0.70588825

00:08:37.590 --> 00:08:40.092 and Weiss EMS responded to this

NOTE Confidence: 0.70588825

00:08:40.092 --> 00:08:41.954 challenge in March of 2020,

NOTE Confidence: 0.70588825
00:08:41.954 --> 00:08:43.759 medical schools across the country
NOTE Confidence: 0.70588825
00:08:43.759 --> 00:08:45.870 needed to temporarily suspend hospital
NOTE Confidence: 0.70588825
00:08:45.870 --> 00:08:47.980 based clerkship rotations due to
NOTE Confidence: 0.70588825
00:08:47.980 --> 00:08:50.086 both the potential shortage of PPE
NOTE Confidence: 0.70588825
00:08:50.086 --> 00:08:52.209 and the need for social distancing.
NOTE Confidence: 0.70588825
00:08:52.209 --> 00:08:55.203 Yale Medical School responded by offering
NOTE Confidence: 0.70588825
00:08:55.203 --> 00:08:58.129 electives to the clerkship students.
NOTE Confidence: 0.70588825
00:08:58.130 --> 00:09:01.914 We created a six week course for 48
NOTE Confidence: 0.70588825
00:09:01.914 --> 00:09:04.246 students while YCMS was closed to in person.
NOTE Confidence: 0.70588825
00:09:04.250 --> 00:09:04.744 Learning.
NOTE Confidence: 0.70588825
00:09:04.744 --> 00:09:06.720 The course immediately fill.
NOTE Confidence: 0.879511206666667
00:09:08.850 --> 00:09:11.274 We converted our high fidelity manikin
NOTE Confidence: 0.879511206666667
00:09:11.274 --> 00:09:13.456 simulation into a fully online
NOTE Confidence: 0.879511206666667
00:09:13.456 --> 00:09:15.436 virtual Tele simulation format.
NOTE Confidence: 0.879511206666667
00:09:15.440 --> 00:09:18.142 We were able to provide an immersive
NOTE Confidence: 0.879511206666667

00:09:18.142 --> 00:09:19.300 Tele simulation curriculum
NOTE Confidence: 0.879511206666667

00:09:19.369 --> 00:09:21.209 for widely dispersed students.
NOTE Confidence: 0.879511206666667

00:09:21.210 --> 00:09:23.538 Some of the students in this.
NOTE Confidence: 0.879511206666667

00:09:23.540 --> 00:09:25.820 Simulation encounter we're in New Haven,
NOTE Confidence: 0.879511206666667

00:09:25.820 --> 00:09:27.280 others were in Los Angeles,
NOTE Confidence: 0.879511206666667

00:09:27.280 --> 00:09:29.478 and some were in New York City.
NOTE Confidence: 0.879511206666667

00:09:29.480 --> 00:09:32.126 We used a zoom platform and the
NOTE Confidence: 0.879511206666667

00:09:32.126 --> 00:09:33.629 students communicated with each
NOTE Confidence: 0.879511206666667

00:09:33.629 --> 00:09:35.429 other and the nurse using the
NOTE Confidence: 0.879511206666667

00:09:35.429 --> 00:09:37.568 chat box as seen on the right.
NOTE Confidence: 0.879511206666667

00:09:37.570 --> 00:09:39.570 Students participated in 12
NOTE Confidence: 0.879511206666667

00:09:39.570 --> 00:09:42.070 scenarios over these six weeks.
NOTE Confidence: 0.879511206666667

00:09:42.070 --> 00:09:43.726 We use scenarios from our scenario
NOTE Confidence: 0.879511206666667

00:09:43.726 --> 00:09:45.585 banks so that we didn't disrupt
NOTE Confidence: 0.879511206666667

00:09:45.585 --> 00:09:47.320 the curriculum for students when
NOTE Confidence: 0.879511206666667

00:09:47.320 --> 00:09:49.340 they returned to their clerkships.

NOTE Confidence: 0.879511206666667
00:09:49.340 --> 00:09:51.440 We determined that the maximum
NOTE Confidence: 0.879511206666667
00:09:51.440 --> 00:09:53.120 number of students participating
NOTE Confidence: 0.879511206666667
00:09:53.120 --> 00:09:55.588 in a virtual simulation was three.
NOTE Confidence: 0.879511206666667
00:09:55.590 --> 00:09:57.215 We were able to disseminate
NOTE Confidence: 0.879511206666667
00:09:57.215 --> 00:09:58.190 our virtual program.
NOTE Confidence: 0.879511206666667
00:09:58.190 --> 00:09:59.534 During the course,
NOTE Confidence: 0.879511206666667
00:09:59.534 --> 00:10:01.326 we invited medical educators
NOTE Confidence: 0.879511206666667
00:10:01.326 --> 00:10:03.769 from the 13 school consortium
NOTE Confidence: 0.879511206666667
00:10:03.769 --> 00:10:06.319 to observe a Tele simulation.
NOTE Confidence: 0.879511206666667
00:10:06.320 --> 00:10:08.798 We presented the program at the
NOTE Confidence: 0.879511206666667
00:10:08.798 --> 00:10:10.037 international webinar organized
NOTE Confidence: 0.879511206666667
00:10:10.037 --> 00:10:12.200 through Cornell Weill Medical School.
NOTE Confidence: 0.879511206666667
00:10:12.200 --> 00:10:14.608 And we offered a workshop on medical
NOTE Confidence: 0.879511206666667
00:10:14.608 --> 00:10:16.131 student to stimulation during
NOTE Confidence: 0.879511206666667
00:10:16.131 --> 00:10:17.835 last year's international meeting
NOTE Confidence: 0.879511206666667

00:10:17.835 --> 00:10:19.965 for stimulation and health care.
NOTE Confidence: 0.879511206666667

00:10:19.970 --> 00:10:22.364 We published our program as an
NOTE Confidence: 0.879511206666667

00:10:22.364 --> 00:10:23.960 innovative report in academic
NOTE Confidence: 0.879511206666667

00:10:24.027 --> 00:10:27.490 medicine in October of 2021.
NOTE Confidence: 0.879511206666667

00:10:27.490 --> 00:10:29.471 So we'd like to spend the remainder
NOTE Confidence: 0.879511206666667

00:10:29.471 --> 00:10:31.610 of this evening highlighting how YCMS
NOTE Confidence: 0.879511206666667

00:10:31.610 --> 00:10:34.330 meets its missions in the areas of education,
NOTE Confidence: 0.879511206666667

00:10:34.330 --> 00:10:36.148 research, and outreach.
NOTE Confidence: 0.866114254117647

00:10:38.160 --> 00:10:41.121 Yale School of Medicine has the largest
NOTE Confidence: 0.866114254117647

00:10:41.121 --> 00:10:42.925 high fidelity manikin simulation
NOTE Confidence: 0.866114254117647

00:10:42.925 --> 00:10:45.715 curriculum of any US medical school.
NOTE Confidence: 0.866114254117647

00:10:45.720 --> 00:10:48.222 All medical students matriculate ING this
NOTE Confidence: 0.866114254117647

00:10:48.222 --> 00:10:52.238 year in 2021 will care for at least 39
NOTE Confidence: 0.866114254117647

00:10:52.238 --> 00:10:54.820 stimulated patients prior to graduation.
NOTE Confidence: 0.866114254117647

00:10:54.820 --> 00:10:57.196 These acutely ill patients have diagnosis,
NOTE Confidence: 0.866114254117647

00:10:57.200 --> 00:10:59.660 ranging from an acute MI ruptured

NOTE Confidence: 0.866114254117647

00:10:59.660 --> 00:11:01.660 abdominal aortic aneurysm gunshot

NOTE Confidence: 0.866114254117647

00:11:01.660 --> 00:11:05.010 wound to the chest and eclampsia.

NOTE Confidence: 0.866114254117647

00:11:05.010 --> 00:11:06.930 They not only need to manage the patient,

NOTE Confidence: 0.866114254117647

00:11:06.930 --> 00:11:09.306 but they also must consult the

NOTE Confidence: 0.866114254117647

00:11:09.306 --> 00:11:10.890 appropriate inpatient service and

NOTE Confidence: 0.866114254117647

00:11:10.955 --> 00:11:13.145 explain to the patient and family

NOTE Confidence: 0.866114254117647

00:11:13.145 --> 00:11:14.980 members the diagnosis and plan.

NOTE Confidence: 0.866114254117647

00:11:14.980 --> 00:11:16.660 Because of the acuity of illness,

NOTE Confidence: 0.866114254117647

00:11:16.660 --> 00:11:19.180 students would never be able to primarily

NOTE Confidence: 0.866114254117647

00:11:19.180 --> 00:11:21.239 manage these patients in the hospital.

NOTE Confidence: 0.866114254117647

00:11:21.240 --> 00:11:23.576 If they choose to do a simulation elective

NOTE Confidence: 0.866114254117647

00:11:23.576 --> 00:11:26.100 during the final 18 months of medical school,

NOTE Confidence: 0.866114254117647

00:11:26.100 --> 00:11:28.085 they will participate in an

NOTE Confidence: 0.866114254117647

00:11:28.085 --> 00:11:29.276 additional 25 scenarios.

NOTE Confidence: 0.92486356875

00:11:31.680 --> 00:11:34.360 During the first two weeks of medical school,

NOTE Confidence: 0.92486356875

00:11:34.360 --> 00:11:36.412 all of the students take care
NOTE Confidence: 0.92486356875

00:11:36.412 --> 00:11:39.940 of their first patient at YCMS.
NOTE Confidence: 0.92486356875

00:11:39.940 --> 00:11:42.915 Nancy Angoff, the prior Dean of students,
NOTE Confidence: 0.92486356875

00:11:42.920 --> 00:11:44.405 initially approached me about including
NOTE Confidence: 0.92486356875

00:11:44.405 --> 00:11:46.716 a simulation in I Pro in order to
NOTE Confidence: 0.92486356875

00:11:46.716 --> 00:11:48.006 instill a sense of professionalism
NOTE Confidence: 0.92486356875

00:11:48.006 --> 00:11:50.062 in the students by taking care of a
NOTE Confidence: 0.92486356875

00:11:50.062 --> 00:11:51.734 quote patient early in their career.
NOTE Confidence: 0.92486356875

00:11:51.734 --> 00:11:54.430 We weren't certain how it would be received,
NOTE Confidence: 0.92486356875

00:11:54.430 --> 00:11:56.334 or if they would have the skills
NOTE Confidence: 0.92486356875

00:11:56.334 --> 00:11:57.970 necessary to care for a patient.
NOTE Confidence: 0.92486356875

00:11:57.970 --> 00:11:59.870 The students have been consistently
NOTE Confidence: 0.92486356875

00:11:59.870 --> 00:12:01.390 outstanding in their empathy
NOTE Confidence: 0.92486356875

00:12:01.390 --> 00:12:02.669 and bedside manner,
NOTE Confidence: 0.92486356875

00:12:02.670 --> 00:12:04.884 so that now the simulation is
NOTE Confidence: 0.92486356875

00:12:04.884 --> 00:12:07.270 an integral part of the course.

NOTE Confidence: 0.92486356875
00:12:07.270 --> 00:12:09.748 Just a few of the comments by
NOTE Confidence: 0.92486356875
00:12:09.748 --> 00:12:11.230 medical students this year.
NOTE Confidence: 0.92486356875
00:12:11.230 --> 00:12:13.790 This was one of the highlights of a I pro.
NOTE Confidence: 0.92486356875
00:12:13.790 --> 00:12:15.420 It was an incredibly uncomfortable
NOTE Confidence: 0.92486356875
00:12:15.420 --> 00:12:17.548 initially being thrown in as the
NOTE Confidence: 0.92486356875
00:12:17.548 --> 00:12:18.868 simulated patients physicians,
NOTE Confidence: 0.92486356875
00:12:18.870 --> 00:12:20.790 but it was incredibly meaningful.
NOTE Confidence: 0.92486356875
00:12:20.790 --> 00:12:22.305 It was an emotional experience
NOTE Confidence: 0.92486356875
00:12:22.305 --> 00:12:24.107 that helped me understand what it's
NOTE Confidence: 0.92486356875
00:12:24.107 --> 00:12:25.710 like to not know the answers and
NOTE Confidence: 0.92486356875
00:12:25.710 --> 00:12:27.389 still be able to respond to the
NOTE Confidence: 0.92486356875
00:12:27.389 --> 00:12:28.962 patient the needs of the patients.
NOTE Confidence: 0.92486356875
00:12:28.962 --> 00:12:31.776 10 out of 10 recommend for future
NOTE Confidence: 0.92486356875
00:12:31.776 --> 00:12:34.196 I Pro courses. This was amazing.
NOTE Confidence: 0.92486356875
00:12:34.196 --> 00:12:36.568 It was the moment that made medical school
NOTE Confidence: 0.92486356875

00:12:36.568 --> 00:12:38.680 really feel most real for me so far.
NOTE Confidence: 0.92486356875

00:12:38.680 --> 00:12:41.368 I absolutely loved the ability to get
NOTE Confidence: 0.92486356875

00:12:41.368 --> 00:12:43.552 started to start getting experience
NOTE Confidence: 0.92486356875

00:12:43.552 --> 00:12:45.400 within the clinical typesetting,
NOTE Confidence: 0.92486356875

00:12:45.400 --> 00:12:47.980 receive personalized and helpful feedback,
NOTE Confidence: 0.92486356875

00:12:47.980 --> 00:12:49.906 and work to try to apply what we already
NOTE Confidence: 0.92486356875

00:12:49.906 --> 00:12:51.637 started learning over the past two weeks.
NOTE Confidence: 0.92486356875

00:12:51.640 --> 00:12:53.224 I can't wait to get back in there.
NOTE Confidence: 0.935977587894737

00:12:57.100 --> 00:12:59.080 Consistent feedback from students has been
NOTE Confidence: 0.935977587894737

00:12:59.080 --> 00:13:01.579 that they want more stimulation during the
NOTE Confidence: 0.935977587894737

00:13:01.579 --> 00:13:03.817 pre clerkship portion of medical school.
NOTE Confidence: 0.935977587894737

00:13:03.820 --> 00:13:06.644 This year we have started a pre clerkship
NOTE Confidence: 0.935977587894737

00:13:06.644 --> 00:13:08.620 curriculum led by Doctor Sam Buck,
NOTE Confidence: 0.935977587894737

00:13:08.620 --> 00:13:11.906 a new member of the YCMS faculty who just
NOTE Confidence: 0.935977587894737

00:13:11.906 --> 00:13:14.391 completed a Sam simulation faculty Dr
NOTE Confidence: 0.935977587894737

00:13:14.391 --> 00:13:16.879 Bucks not able to be here tonight because

NOTE Confidence: 0.935977587894737

00:13:16.879 --> 00:13:19.285 he's at Disney World with his family.

NOTE Confidence: 0.935977587894737

00:13:19.290 --> 00:13:21.932 And the students are going to be

NOTE Confidence: 0.935977587894737

00:13:21.932 --> 00:13:23.887 participating in eight cases throughout

NOTE Confidence: 0.935977587894737

00:13:23.887 --> 00:13:25.810 the pre clerkship curriculum.

NOTE Confidence: 0.935977587894737

00:13:25.810 --> 00:13:27.892 6 cases during their first year

NOTE Confidence: 0.935977587894737

00:13:27.892 --> 00:13:30.190 and two during the second year.

NOTE Confidence: 0.935977587894737

00:13:30.190 --> 00:13:32.270 They have been integrated into

NOTE Confidence: 0.935977587894737

00:13:32.270 --> 00:13:33.518 the master courses.

NOTE Confidence: 0.935977587894737

00:13:33.520 --> 00:13:35.935 Doctor Buck and I have collaborated with

NOTE Confidence: 0.935977587894737

00:13:35.935 --> 00:13:38.462 the Master course directors to determine

NOTE Confidence: 0.935977587894737

00:13:38.462 --> 00:13:40.366 educational goals and objectives.

NOTE Confidence: 0.935977587894737

00:13:40.370 --> 00:13:42.855 The Scientifics Foundation master course

NOTE Confidence: 0.935977587894737

00:13:42.855 --> 00:13:46.069 held its first simulation in the fall,

NOTE Confidence: 0.935977587894737

00:13:46.070 --> 00:13:48.830 where students manage an infant with

NOTE Confidence: 0.935977587894737

00:13:48.830 --> 00:13:51.660 an inboard error of metabolism.

NOTE Confidence: 0.935977587894737

00:13:51.660 --> 00:13:54.530 The cases are designed to illustrate clinical
NOTE Confidence: 0.935977587894737

00:13:54.530 --> 00:13:56.779 presentations of recent course material.
NOTE Confidence: 0.935977587894737

00:13:56.780 --> 00:13:59.185 It has integrated Physiology and
NOTE Confidence: 0.935977587894737

00:13:59.185 --> 00:14:01.590 pharmacology built into each scenario.
NOTE Confidence: 0.935977587894737

00:14:01.590 --> 00:14:03.110 The communication objectives can
NOTE Confidence: 0.935977587894737

00:14:03.110 --> 00:14:04.630 include anything from addressing.
NOTE Confidence: 0.935977587894737

00:14:04.630 --> 00:14:06.118 Challenging social interactions,
NOTE Confidence: 0.935977587894737

00:14:06.118 --> 00:14:07.110 can fresh,
NOTE Confidence: 0.935977587894737

00:14:07.110 --> 00:14:09.162 confronting inequities in medicine
NOTE Confidence: 0.935977587894737

00:14:09.162 --> 00:14:11.727 and health counseling for patients
NOTE Confidence: 0.935977587894737

00:14:11.730 --> 00:14:13.350 during the debriefing session,
NOTE Confidence: 0.935977587894737

00:14:13.350 --> 00:14:15.780 all of the relevant Physiology and
NOTE Confidence: 0.935977587894737

00:14:15.849 --> 00:14:17.793 pathology for each case or distance
NOTE Confidence: 0.935977587894737

00:14:17.793 --> 00:14:20.030 guest as well as communication,
NOTE Confidence: 0.935977587894737

00:14:20.030 --> 00:14:21.430 critical thinking,
NOTE Confidence: 0.935977587894737

00:14:21.430 --> 00:14:23.530 teamwork and professionalism.

NOTE Confidence: 0.903163300384615
00:14:27.370 --> 00:14:29.394 We needed to advise us we needed to
NOTE Confidence: 0.903163300384615
00:14:29.394 --> 00:14:31.830 devise a format to be able to have
NOTE Confidence: 0.903163300384615
00:14:31.830 --> 00:14:33.480 the entire class participate in
NOTE Confidence: 0.903163300384615
00:14:33.480 --> 00:14:35.205 these scenarios and one afternoon
NOTE Confidence: 0.903163300384615
00:14:35.210 --> 00:14:38.269 we devised a format where in which
NOTE Confidence: 0.903163300384615
00:14:38.269 --> 00:14:40.732 we simultaneously run 4 rooms with
NOTE Confidence: 0.903163300384615
00:14:40.732 --> 00:14:43.238 four students in each room in the
NOTE Confidence: 0.903163300384615
00:14:43.325 --> 00:14:45.824 clinical evaluation group at YCMS
NOTE Confidence: 0.903163300384615
00:14:45.824 --> 00:14:47.708 and the remaining 12 students in
NOTE Confidence: 0.903163300384615
00:14:47.708 --> 00:14:49.426 a virtual clinical reasoning group
NOTE Confidence: 0.903163300384615
00:14:49.426 --> 00:14:51.226 led by a faculty facilitator.
NOTE Confidence: 0.903163300384615
00:14:51.230 --> 00:14:52.940 This has allows us to have
NOTE Confidence: 0.903163300384615
00:14:52.940 --> 00:14:54.640 the entire class go through.
NOTE Confidence: 0.903163300384615
00:14:54.640 --> 00:14:56.000 A simulation in one afternoon
NOTE Confidence: 0.903163300384615
00:14:56.000 --> 00:14:57.360 in proximity to what they're
NOTE Confidence: 0.903163300384615

00:14:57.416 --> 00:14:58.640 learning in the classroom.
NOTE Confidence: 0.830156247777778

00:15:01.340 --> 00:15:03.508 This is a video clip from our first
NOTE Confidence: 0.830156247777778

00:15:03.508 --> 00:15:05.478 simulation session last fall.
NOTE Confidence: 0.830156247777778

00:15:05.480 --> 00:15:07.500 In the background is a mother with
NOTE Confidence: 0.830156247777778

00:15:07.500 --> 00:15:09.578 her newborn baby who presents with
NOTE Confidence: 0.830156247777778

00:15:09.578 --> 00:15:12.068 lethargy and poor peel intake.
NOTE Confidence: 0.830156247777778

00:15:12.070 --> 00:15:14.042 Students are reviewing the lab
NOTE Confidence: 0.830156247777778

00:15:14.042 --> 00:15:15.938 results and are about to realize the
NOTE Confidence: 0.830156247777778

00:15:15.938 --> 00:15:17.714 baby has an elevated ammonia level.
NOTE Confidence: 0.290789745428572

00:15:19.970 --> 00:15:22.310 So somewhat normal, yeah.
NOTE Confidence: 0.290789745428572

00:15:22.310 --> 00:15:24.065 Open any changes.
NOTE Confidence: 0.290789745428572

00:15:24.070 --> 00:15:25.190 Is there some reactive?
NOTE Confidence: 0.173401312

00:15:28.800 --> 00:15:31.780 Lactic acid Tony.
NOTE Confidence: 0.80369432

00:15:35.440 --> 00:15:37.268 We're gonna notice that they all pull out
NOTE Confidence: 0.80369432

00:15:37.268 --> 00:15:39.428 their iPhones to interpret these results.
NOTE Confidence: 0.80369432

00:15:39.430 --> 00:15:41.610 We encourage them to use the electronic

NOTE Confidence: 0.909602192857143
00:15:41.620 --> 00:15:43.566 resources that they have available to them.
NOTE Confidence: 0.527159985
00:15:57.920 --> 00:16:01.078 Yeah, yeah. Top six so yeah.
NOTE Confidence: 0.917081342
00:16:12.650 --> 00:16:14.396 The majority of the simulation sessions
NOTE Confidence: 0.917081342
00:16:14.396 --> 00:16:16.600 occur on the clinical clerkships.
NOTE Confidence: 0.917081342
00:16:16.600 --> 00:16:17.740 Doctor Melissa Joseph,
NOTE Confidence: 0.917081342
00:16:17.740 --> 00:16:20.400 who is our director of resident simulation
NOTE Confidence: 0.917081342
00:16:20.463 --> 00:16:22.550 at YCMS and Doctor Ambrose Wong,
NOTE Confidence: 0.917081342
00:16:22.550 --> 00:16:24.286 director of Simulation Research,
NOTE Confidence: 0.917081342
00:16:24.286 --> 00:16:26.022 will discuss our clerkship
NOTE Confidence: 0.917081342
00:16:26.022 --> 00:16:26.890 simulation program.
NOTE Confidence: 0.9259331
00:16:32.190 --> 00:16:33.878 Alright, so first we're gonna
NOTE Confidence: 0.9259331
00:16:33.878 --> 00:16:35.960 start off with a video of one
NOTE Confidence: 0.7434370125
00:16:35.960 --> 00:16:38.304 of the simulation scenarios that
NOTE Confidence: 0.7434370125
00:16:38.304 --> 00:16:41.400 the students participated in.
NOTE Confidence: 0.7434370125
00:16:41.400 --> 00:16:42.720 I don't think we'll play the whole thing,
NOTE Confidence: 0.7434370125

00:16:42.720 --> 00:16:44.008 but just to give you an idea.
NOTE Confidence: 0.887060589090909
00:16:49.120 --> 00:16:50.302 Oh, you know what? We're not
NOTE Confidence: 0.887060589090909
00:16:50.302 --> 00:16:51.460 going to have audio because.
NOTE Confidence: 0.74168223
00:16:53.640 --> 00:16:55.270 Lee, do you wanna unmute yourself?
NOTE Confidence: 0.897163303571429
00:17:05.980 --> 00:17:08.020 I think we lost the video audio just
NOTE Confidence: 0.897163303571429
00:17:08.020 --> 00:17:09.480 because Doctor Evans was on mute,
NOTE Confidence: 0.897163303571429
00:17:09.480 --> 00:17:13.400 but that was gonna try again.
NOTE Confidence: 0.674193176666667
00:17:15.760 --> 00:17:17.514 There's a video clip of the
NOTE Confidence: 0.674193176666667
00:17:17.514 --> 00:17:19.710 group of students managing
NOTE Confidence: 0.7725303125
00:17:20.200 --> 00:17:21.388 me. There we go.
NOTE Confidence: 0.588952006666667
00:17:26.510 --> 00:17:28.990 I'm not moving. Like
NOTE Confidence: 0.183499444333333
00:17:31.850 --> 00:17:38.340 that's an STL. Yeah. We talked.
NOTE Confidence: 0.183499444333333
00:17:38.340 --> 00:17:41.388 We'll give him aspirin. Oh God.
NOTE Confidence: 0.66869152125
00:17:44.710 --> 00:17:46.590 I'll, I'll check to see if it's happening.
NOTE Confidence: 0.66869152125
00:17:46.590 --> 00:17:50.690 Computer aspirin, Nitro and.
NOTE Confidence: 0.66869152125
00:17:50.690 --> 00:17:53.439 Listen to this. That is called.

NOTE Confidence: 0.789941864444444

00:17:56.330 --> 00:17:58.160 OK, I think we can go to the next slide.

NOTE Confidence: 0.9049224

00:18:00.350 --> 00:18:02.130 So the students participate in

NOTE Confidence: 0.9049224

00:18:02.130 --> 00:18:04.260 simulation every Friday while they're on

NOTE Confidence: 0.862943241666667

00:18:04.321 --> 00:18:05.653 their twelve week combined

NOTE Confidence: 0.862943241666667

00:18:05.653 --> 00:18:06.985 M and surgery clerkship,

NOTE Confidence: 0.862943241666667

00:18:06.990 --> 00:18:08.950 and then additionally they participate

NOTE Confidence: 0.862943241666667

00:18:08.950 --> 00:18:10.910 on Tuesdays during the emergency

NOTE Confidence: 0.862943241666667

00:18:10.974 --> 00:18:12.909 medicine portion of their rotation.

NOTE Confidence: 0.862943241666667

00:18:12.910 --> 00:18:14.110 The participating groups are limited

NOTE Confidence: 0.862943241666667

00:18:14.110 --> 00:18:15.730 to about four to five students,

NOTE Confidence: 0.862943241666667

00:18:15.730 --> 00:18:17.524 so you'll typically run 2 simultaneous

NOTE Confidence: 0.862943241666667

00:18:17.524 --> 00:18:19.026 simulation sessions and then we'll

NOTE Confidence: 0.862943241666667

00:18:19.026 --> 00:18:20.580 debrief them together and it gives

NOTE Confidence: 0.862943241666667

00:18:20.580 --> 00:18:22.187 us an opportunity to compare what

NOTE Confidence: 0.862943241666667

00:18:22.187 --> 00:18:23.497 happened between the two rooms.

NOTE Confidence: 0.862943241666667

00:18:24.190 --> 00:18:26.780 Next slide.
NOTE Confidence: 0.862943241666667

00:18:26.780 --> 00:18:29.768 SIM allows the students to practice
NOTE Confidence: 0.862943241666667

00:18:29.768 --> 00:18:32.096 application analysis and evaluation,
NOTE Confidence: 0.862943241666667

00:18:32.100 --> 00:18:33.520 furthering the knowledge that
NOTE Confidence: 0.862943241666667

00:18:33.520 --> 00:18:35.295 they've gathered on their pre
NOTE Confidence: 0.862943241666667

00:18:35.295 --> 00:18:36.730 clerkship years and rotations.
NOTE Confidence: 0.862943241666667

00:18:36.730 --> 00:18:38.865 Beyond just understanding and remembering
NOTE Confidence: 0.862943241666667

00:18:38.865 --> 00:18:42.800 like they may encounter on their exams.
NOTE Confidence: 0.862943241666667

00:18:42.800 --> 00:18:44.354 This allows them to practice
NOTE Confidence: 0.862943241666667

00:18:44.354 --> 00:18:46.142 leading a patient care team before
NOTE Confidence: 0.862943241666667

00:18:46.142 --> 00:18:47.725 having to do so at the bedside.
NOTE Confidence: 0.862943241666667

00:18:47.730 --> 00:18:50.080 Next slide.
NOTE Confidence: 0.862943241666667

00:18:50.080 --> 00:18:51.214 In addition to application
NOTE Confidence: 0.862943241666667

00:18:51.214 --> 00:18:52.160 of clinical knowledge,
NOTE Confidence: 0.862943241666667

00:18:52.160 --> 00:18:54.380 simulation allows us to practice and
NOTE Confidence: 0.862943241666667

00:18:54.380 --> 00:18:56.010 debrief challenging team dynamics,

NOTE Confidence: 0.862943241666667
00:18:56.010 --> 00:18:57.471 important interpersonal interactions,
NOTE Confidence: 0.862943241666667
00:18:57.471 --> 00:19:00.393 and conversations with patients and family,
NOTE Confidence: 0.862943241666667
00:19:00.400 --> 00:19:03.288 and conflict resolution strategies.
NOTE Confidence: 0.862943241666667
00:19:03.290 --> 00:19:04.958 Students also practice consulting
NOTE Confidence: 0.862943241666667
00:19:04.958 --> 00:19:07.153 other services and get direct
NOTE Confidence: 0.862943241666667
00:19:07.153 --> 00:19:09.397 feedback and guidance on these
NOTE Confidence: 0.862943241666667
00:19:09.397 --> 00:19:11.125 conversations during the debrief.
NOTE Confidence: 0.862943241666667
00:19:11.130 --> 00:19:13.360 Next line.
NOTE Confidence: 0.862943241666667
00:19:13.360 --> 00:19:15.085 We can also utilize simulation
NOTE Confidence: 0.862943241666667
00:19:15.085 --> 00:19:16.465 to practice interprofessional E
NOTE Confidence: 0.862943241666667
00:19:16.465 --> 00:19:17.958 across departments and roles,
NOTE Confidence: 0.862943241666667
00:19:17.960 --> 00:19:20.546 and to practice theory and strategies
NOTE Confidence: 0.862943241666667
00:19:20.546 --> 00:19:23.228 on how to effectively lead a team.
NOTE Confidence: 0.862943241666667
00:19:23.230 --> 00:19:23.820 Next slide.
NOTE Confidence: 0.8298749522
00:19:26.650 --> 00:19:28.932 A few example cases from their clerkships
NOTE Confidence: 0.8298749522

00:19:28.932 --> 00:19:30.590 include amazing trick ischaemia case
NOTE Confidence: 0.8298749522

00:19:30.590 --> 00:19:32.767 where the ideal treatment plan is for
NOTE Confidence: 0.8298749522

00:19:32.767 --> 00:19:34.530 comfort care and the students must
NOTE Confidence: 0.8298749522

00:19:34.530 --> 00:19:36.245 counsel the patient and her daughter.
NOTE Confidence: 0.8298749522

00:19:36.245 --> 00:19:38.450 A gunshot wound to the chest that
NOTE Confidence: 0.8298749522

00:19:38.450 --> 00:19:41.167 requires a chest tube and a case of
NOTE Confidence: 0.8298749522

00:19:41.167 --> 00:19:43.010 interpersonal violence where they must
NOTE Confidence: 0.8298749522

00:19:43.010 --> 00:19:45.150 manage an escalating significant other.
NOTE Confidence: 0.8298749522

00:19:45.150 --> 00:19:48.094 They also have a case of managing atrial
NOTE Confidence: 0.8298749522

00:19:48.094 --> 00:19:49.847 fibrillation with rapid ventricular
NOTE Confidence: 0.8298749522

00:19:49.847 --> 00:19:52.207 response and many other scenarios.
NOTE Confidence: 0.8298749522

00:19:52.210 --> 00:19:54.420 Next slide.
NOTE Confidence: 0.8298749522

00:19:54.420 --> 00:19:55.862 In order to push to the next
NOTE Confidence: 0.8298749522

00:19:55.862 --> 00:19:57.456 level of knowledge and to manage
NOTE Confidence: 0.8298749522

00:19:57.456 --> 00:19:58.380 these challenging scenarios,
NOTE Confidence: 0.8298749522

00:19:58.380 --> 00:20:00.240 we're asking the students to really

NOTE Confidence: 0.8298749522

00:20:00.240 --> 00:20:02.153 step outside their comfort zone and to

NOTE Confidence: 0.8298749522

00:20:02.153 --> 00:20:04.244 make mistakes and to do so in front of

NOTE Confidence: 0.8298749522

00:20:04.244 --> 00:20:06.044 their peers and their teaching faculty.

NOTE Confidence: 0.8298749522

00:20:06.050 --> 00:20:08.360 Thus, a sense of physiologic of

NOTE Confidence: 0.8298749522

00:20:08.360 --> 00:20:10.299 psychological safety is imperative to

NOTE Confidence: 0.8298749522

00:20:10.299 --> 00:20:12.345 the success of the simulation session,

NOTE Confidence: 0.8298749522

00:20:12.350 --> 00:20:14.132 and we spend a dedicated session

NOTE Confidence: 0.8298749522

00:20:14.132 --> 00:20:15.023 before the rotation,

NOTE Confidence: 0.8298749522

00:20:15.030 --> 00:20:16.950 and then a briefer reminder before

NOTE Confidence: 0.8298749522

00:20:16.950 --> 00:20:18.616 each session to discuss some

NOTE Confidence: 0.8298749522

00:20:18.616 --> 00:20:20.226 of the important ground rules.

NOTE Confidence: 0.8298749522

00:20:20.230 --> 00:20:22.316 The first is the basic assumption that

NOTE Confidence: 0.8298749522

00:20:22.316 --> 00:20:23.672 we believe everyone participating

NOTE Confidence: 0.8298749522

00:20:23.672 --> 00:20:25.687 in our activities is intelligent,

NOTE Confidence: 0.8298749522

00:20:25.690 --> 00:20:26.040 capable,

NOTE Confidence: 0.8298749522

00:20:26.040 --> 00:20:28.140 and cares about doing their best

NOTE Confidence: 0.8298749522

00:20:28.140 --> 00:20:29.760 and wanting to improve.

NOTE Confidence: 0.8298749522

00:20:29.760 --> 00:20:31.176 The second is that the sessions

NOTE Confidence: 0.8298749522

00:20:31.176 --> 00:20:31.884 are all formative.

NOTE Confidence: 0.8298749522

00:20:31.890 --> 00:20:33.190 They're really purely for

NOTE Confidence: 0.8298749522

00:20:33.190 --> 00:20:34.165 the students growth,

NOTE Confidence: 0.8298749522

00:20:34.170 --> 00:20:36.042 and they're not evaluated

NOTE Confidence: 0.8298749522

00:20:36.042 --> 00:20:37.446 during these sessions.

NOTE Confidence: 0.8298749522

00:20:37.450 --> 00:20:39.160 We subscribe to the Vegas

NOTE Confidence: 0.8298749522

00:20:39.160 --> 00:20:40.186 Rules of Simulation.

NOTE Confidence: 0.8298749522

00:20:40.190 --> 00:20:42.542 We don't discuss things that happen

NOTE Confidence: 0.8298749522

00:20:42.542 --> 00:20:44.110 within the simulation outside

NOTE Confidence: 0.8298749522

00:20:44.170 --> 00:20:46.040 of the group that participated.

NOTE Confidence: 0.8298749522

00:20:46.040 --> 00:20:48.045 This psychological safety really allows

NOTE Confidence: 0.8298749522

00:20:48.045 --> 00:20:50.858 the students to put themselves out there to,

NOTE Confidence: 0.8298749522

00:20:50.860 --> 00:20:51.622 you know,

NOTE Confidence: 0.8298749522

00:20:51.622 --> 00:20:52.384 make mistakes,

NOTE Confidence: 0.8298749522

00:20:52.384 --> 00:20:55.282 and to really step up to the

NOTE Confidence: 0.8298749522

00:20:55.282 --> 00:20:56.860 next performance level.

NOTE Confidence: 0.8298749522

00:20:56.860 --> 00:20:58.565 The psychological safety is also

NOTE Confidence: 0.8298749522

00:20:58.565 --> 00:21:00.790 dependent on a very skilled debrief,

NOTE Confidence: 0.8298749522

00:21:00.790 --> 00:21:02.185 which is arguably the most

NOTE Confidence: 0.8298749522

00:21:02.185 --> 00:21:03.580 important part of the session,

NOTE Confidence: 0.8298749522

00:21:03.580 --> 00:21:04.796 and I'm going to turn it over to

NOTE Confidence: 0.8298749522

00:21:04.796 --> 00:21:05.797 Doctor Wong to talk about that.

NOTE Confidence: 0.9206229393333333

00:21:09.040 --> 00:21:10.075 Thanks Doctor Joseph,

NOTE Confidence: 0.9206229393333333

00:21:10.075 --> 00:21:12.145 pleasure to be here and really

NOTE Confidence: 0.9206229393333333

00:21:12.145 --> 00:21:13.637 excited to talk to you all.

NOTE Confidence: 0.9206229393333333

00:21:13.640 --> 00:21:16.076 I'm like Doctor Joseph said debriefing is

NOTE Confidence: 0.9206229393333333

00:21:16.076 --> 00:21:18.900 sort of our counterpart to simulation,

NOTE Confidence: 0.9206229393333333

00:21:18.900 --> 00:21:20.445 to the immersive simulation experience

NOTE Confidence: 0.9206229393333333

00:21:20.445 --> 00:21:22.875 and we as wise seems really feel that
NOTE Confidence: 0.9206229393333333

00:21:22.875 --> 00:21:24.814 debriefing is in some ways even more
NOTE Confidence: 0.9206229393333333

00:21:24.874 --> 00:21:26.759 important than the actual simulation
NOTE Confidence: 0.9206229393333333

00:21:26.760 --> 00:21:29.044 experience itself as a way to really
NOTE Confidence: 0.9206229393333333

00:21:29.044 --> 00:21:31.059 consolidate knowledge and a way for us
NOTE Confidence: 0.9206229393333333

00:21:31.059 --> 00:21:32.879 to really get our future students to
NOTE Confidence: 0.9206229393333333

00:21:32.944 --> 00:21:34.906 understand the complexity of what it's
NOTE Confidence: 0.9206229393333333

00:21:34.906 --> 00:21:37.228 like to manage these patients in real life.
NOTE Confidence: 0.9206229393333333

00:21:37.228 --> 00:21:39.275 And what the implications might be for them
NOTE Confidence: 0.9206229393333333

00:21:39.275 --> 00:21:41.590 when they're actually in clinical practice.
NOTE Confidence: 0.9206229393333333

00:21:41.590 --> 00:21:43.487 Here's an example of Doctor Barnes here,
NOTE Confidence: 0.9206229393333333

00:21:43.490 --> 00:21:45.414 debriefing our learner group
NOTE Confidence: 0.9206229393333333

00:21:45.414 --> 00:21:47.819 and thinking about our critical
NOTE Confidence: 0.9206229393333333

00:21:47.819 --> 00:21:49.278 resuscitation as an example.
NOTE Confidence: 0.9206229393333333

00:21:49.280 --> 00:21:51.329 Next slide, please.
NOTE Confidence: 0.9206229393333333

00:21:51.330 --> 00:21:54.410 And what we really think about with

NOTE Confidence: 0.920622939333333
00:21:54.410 --> 00:21:56.490 debriefing is actually fundamentally
NOTE Confidence: 0.920622939333333
00:21:56.490 --> 00:21:58.570 driven by experiential learning,
NOTE Confidence: 0.920622939333333
00:21:58.570 --> 00:22:00.106 which was developed by David Cole,
NOTE Confidence: 0.920622939333333
00:22:00.110 --> 00:22:02.305 who was one of the pioneering educational
NOTE Confidence: 0.920622939333333
00:22:02.305 --> 00:22:04.105 psychologists David Cope really
NOTE Confidence: 0.920622939333333
00:22:04.105 --> 00:22:05.755 talked about the cycle of learning
NOTE Confidence: 0.920622939333333
00:22:05.755 --> 00:22:07.370 which you see here in the middle,
NOTE Confidence: 0.920622939333333
00:22:07.370 --> 00:22:09.290 talking about sort of the four
NOTE Confidence: 0.920622939333333
00:22:09.290 --> 00:22:11.233 phases of education and how that
NOTE Confidence: 0.920622939333333
00:22:11.233 --> 00:22:12.238 really consolidate's knowledge
NOTE Confidence: 0.920622939333333
00:22:12.238 --> 00:22:14.008 on the left hand side.
NOTE Confidence: 0.920622939333333
00:22:14.010 --> 00:22:16.170 If Doctor Evans would click once for me,
NOTE Confidence: 0.920622939333333
00:22:16.170 --> 00:22:18.370 is the active experimentation side.
NOTE Confidence: 0.920622939333333
00:22:18.370 --> 00:22:20.270 So that's really the part that's exciting
NOTE Confidence: 0.920622939333333
00:22:20.270 --> 00:22:21.720 when the collector students are.
NOTE Confidence: 0.920622939333333

00:22:21.720 --> 00:22:23.860 In that experience immersed in
NOTE Confidence: 0.9206229393333333

00:22:23.860 --> 00:22:26.000 that psychological realism of what
NOTE Confidence: 0.9206229393333333

00:22:26.075 --> 00:22:28.119 it's like to talk to a patient,
NOTE Confidence: 0.9206229393333333

00:22:28.120 --> 00:22:29.368 gather a history,
NOTE Confidence: 0.9206229393333333

00:22:29.368 --> 00:22:30.616 perform an exam,
NOTE Confidence: 0.9206229393333333

00:22:30.620 --> 00:22:32.174 and they come up with a differential
NOTE Confidence: 0.9206229393333333

00:22:32.174 --> 00:22:32.840 in a plan.
NOTE Confidence: 0.9206229393333333

00:22:32.840 --> 00:22:34.988 Live in front of their peers
NOTE Confidence: 0.9206229393333333

00:22:34.988 --> 00:22:36.420 like Doctor Joseph said,
NOTE Confidence: 0.9206229393333333

00:22:36.420 --> 00:22:38.820 and having to discuss that with the patient,
NOTE Confidence: 0.9206229393333333

00:22:38.820 --> 00:22:40.994 and that really generates a lot of
NOTE Confidence: 0.9206229393333333

00:22:40.994 --> 00:22:42.634 really good excitement and emotions
NOTE Confidence: 0.9206229393333333

00:22:42.634 --> 00:22:45.060 that we really want to consolidate.
NOTE Confidence: 0.9206229393333333

00:22:45.060 --> 00:22:47.100 So on the left hand side is the
NOTE Confidence: 0.9206229393333333

00:22:47.100 --> 00:22:48.689 concrete experience and the time for
NOTE Confidence: 0.9206229393333333

00:22:48.689 --> 00:22:50.219 them to experiment in a controlled

NOTE Confidence: 0.920622939333333
00:22:50.278 --> 00:22:51.901 and safe way on the right hand side.
NOTE Confidence: 0.920622939333333
00:22:51.901 --> 00:22:53.706 Is also just as important,
NOTE Confidence: 0.920622939333333
00:22:53.710 --> 00:22:55.810 if not more important what we do
NOTE Confidence: 0.920622939333333
00:22:55.810 --> 00:22:57.765 afterwards is we take our learner
NOTE Confidence: 0.920622939333333
00:22:57.765 --> 00:23:00.035 groups into a safe and controlled
NOTE Confidence: 0.920622939333333
00:23:00.035 --> 00:23:02.890 setting in a debriefing room and what
NOTE Confidence: 0.920622939333333
00:23:02.890 --> 00:23:05.314 we do there is now we do some deep
NOTE Confidence: 0.920622939333333
00:23:05.314 --> 00:23:06.530 dive using reflective observation
NOTE Confidence: 0.920622939333333
00:23:06.591 --> 00:23:07.983 and also thinking conceptually
NOTE Confidence: 0.920622939333333
00:23:07.983 --> 00:23:10.071 about how that might extract into
NOTE Confidence: 0.920622939333333
00:23:10.128 --> 00:23:11.922 clinical practice in real life or
NOTE Confidence: 0.920622939333333
00:23:11.922 --> 00:23:13.902 when they're in their clerkships to
NOTE Confidence: 0.920622939333333
00:23:13.902 --> 00:23:16.248 really reflect on the experience and
NOTE Confidence: 0.920622939333333
00:23:16.248 --> 00:23:18.643 the emotions they have and how that
NOTE Confidence: 0.920622939333333
00:23:18.643 --> 00:23:20.570 actually will apply in real life.
NOTE Confidence: 0.920622939333333

00:23:20.570 --> 00:23:23.972 And so if we Click to the next slide.
NOTE Confidence: 0.9206229393333333

00:23:23.980 --> 00:23:25.546 What we really want to get at are
NOTE Confidence: 0.9206229393333333

00:23:25.546 --> 00:23:27.499 things that are not necessarily
NOTE Confidence: 0.9206229393333333

00:23:27.499 --> 00:23:30.637 observable in in the day-to-day setting.
NOTE Confidence: 0.9206229393333333

00:23:30.640 --> 00:23:32.266 As you're working with your country,
NOTE Confidence: 0.9206229393333333

00:23:32.270 --> 00:23:34.060 students in the clinical realm,
NOTE Confidence: 0.9206229393333333

00:23:34.060 --> 00:23:35.546 you can really observe what they're
NOTE Confidence: 0.9206229393333333

00:23:35.546 --> 00:23:37.244 doing live and give them feedback
NOTE Confidence: 0.9206229393333333

00:23:37.244 --> 00:23:38.960 about what is actually happening,
NOTE Confidence: 0.9206229393333333

00:23:38.960 --> 00:23:40.370 but that's really what we say.
NOTE Confidence: 0.9206229393333333

00:23:40.370 --> 00:23:41.720 The tip of the iceberg.
NOTE Confidence: 0.9206229393333333

00:23:41.720 --> 00:23:43.272 What's really more important are
NOTE Confidence: 0.9206229393333333

00:23:43.272 --> 00:23:45.708 the drivers underneath that we can't
NOTE Confidence: 0.9206229393333333

00:23:45.708 --> 00:23:47.400 necessarily observe or understand,
NOTE Confidence: 0.9206229393333333

00:23:47.400 --> 00:23:49.485 though these motivations and cognitive
NOTE Confidence: 0.9206229393333333

00:23:49.485 --> 00:23:51.346 frames that drive behavior and

NOTE Confidence: 0.920622939333333
00:23:51.346 --> 00:23:52.506 the really beautiful thing about
NOTE Confidence: 0.920622939333333
00:23:52.506 --> 00:23:54.340 debriefing is that we get a chance
NOTE Confidence: 0.943487621875
00:23:54.387 --> 00:23:55.785 to sit down with small groups.
NOTE Confidence: 0.943487621875
00:23:55.790 --> 00:23:58.076 Of students and get into those
NOTE Confidence: 0.943487621875
00:23:58.076 --> 00:24:00.369 mental models and really change the
NOTE Confidence: 0.943487621875
00:24:00.370 --> 00:24:02.335 motivations behind their behavior so
NOTE Confidence: 0.943487621875
00:24:02.335 --> 00:24:04.707 that they have an understanding of
NOTE Confidence: 0.943487621875
00:24:04.707 --> 00:24:06.442 really deeper understanding of the
NOTE Confidence: 0.943487621875
00:24:06.442 --> 00:24:08.570 complexity of how they make decisions
NOTE Confidence: 0.943487621875
00:24:08.570 --> 00:24:10.957 and how we make decisions as faculty
NOTE Confidence: 0.943487621875
00:24:10.957 --> 00:24:13.530 members to help conceptualize and sort
NOTE Confidence: 0.943487621875
00:24:13.530 --> 00:24:15.760 of make those decisions concrete.
NOTE Confidence: 0.943487621875
00:24:15.760 --> 00:24:17.280 So we have a video to sort of.
NOTE Confidence: 0.943487621875
00:24:17.280 --> 00:24:19.458 Give an example of what debriefing
NOTE Confidence: 0.943487621875
00:24:19.458 --> 00:24:21.450 would look like if Doctor Evans
NOTE Confidence: 0.943487621875

00:24:21.450 --> 00:24:23.250 would mind pressing the next slide.
NOTE Confidence: 0.943487621875

00:24:23.250 --> 00:24:25.875 This is actually an example
NOTE Confidence: 0.943487621875

00:24:25.875 --> 00:24:27.450 of doctor teaching.
NOTE Confidence: 0.943487621875

00:24:27.450 --> 00:24:27.960 Students.
NOTE Confidence: 0.623811828769231

00:24:29.960 --> 00:24:32.144 I've been work forward by the way
NOTE Confidence: 0.623811828769231

00:24:32.144 --> 00:24:34.298 very early on and I can see like
NOTE Confidence: 0.623811828769231

00:24:34.298 --> 00:24:36.216 like who who came up with that
NOTE Confidence: 0.623811828769231

00:24:36.216 --> 00:24:37.750 and why did where did that come?
NOTE Confidence: 0.429970121666667

00:24:40.790 --> 00:24:44.810 There was no who said that.
NOTE Confidence: 0.429970121666667

00:24:44.810 --> 00:24:47.110 We know that. Like
NOTE Confidence: 0.48254265975

00:24:50.300 --> 00:24:51.304 collectively speaking,
NOTE Confidence: 0.48254265975

00:24:51.304 --> 00:24:54.316 I think we should only eat.
NOTE Confidence: 0.48254265975

00:24:54.320 --> 00:24:57.840 That's actually very sophisticated, right?
NOTE Confidence: 0.48254265975

00:24:57.840 --> 00:24:59.360 It does hypoglycemia can
NOTE Confidence: 0.48254265975

00:24:59.360 --> 00:25:00.880 cause someone to faint.
NOTE Confidence: 0.48254265975

00:25:00.880 --> 00:25:02.780 OK, so that's something university

NOTE Confidence: 0.48254265975

00:25:02.780 --> 00:25:04.000 department that every single

NOTE Confidence: 0.48254265975

00:25:04.000 --> 00:25:05.328 person that comes in and fades

NOTE Confidence: 0.48254265975

00:25:05.328 --> 00:25:07.296 gets that as a screening test.

NOTE Confidence: 0.48254265975

00:25:07.300 --> 00:25:09.000 OK, and then this is a bit jillion

NOTE Confidence: 0.48254265975

00:25:09.000 --> 00:25:11.163 times and I would say maybe three

NOTE Confidence: 0.48254265975

00:25:11.163 --> 00:25:13.179 times people have checked a finger.

NOTE Confidence: 0.48254265975

00:25:13.180 --> 00:25:14.740 Stick with posts without being

NOTE Confidence: 0.48254265975

00:25:14.740 --> 00:25:16.300 prompted Peso that was outstanding

NOTE Confidence: 0.48254265975

00:25:16.351 --> 00:25:17.599 that he came up with that.

NOTE Confidence: 0.75524392625

00:25:23.780 --> 00:25:28.596 OK, thank you Doctor Wong and Doctor Joseph.

NOTE Confidence: 0.75524392625

00:25:28.600 --> 00:25:30.225 The next portion I'd like

NOTE Confidence: 0.75524392625

00:25:30.225 --> 00:25:32.848 to talk have be presented.

NOTE Confidence: 0.75524392625

00:25:32.848 --> 00:25:35.848 Is that the Department of Pediatrics

NOTE Confidence: 0.75524392625

00:25:35.848 --> 00:25:38.380 plays a significant role in education

NOTE Confidence: 0.75524392625

00:25:38.452 --> 00:25:40.560 at YCMS from involvement in the

NOTE Confidence: 0.75524392625

00:25:40.560 --> 00:25:42.144 pre clerkship simulation program
NOTE Confidence: 0.75524392625

00:25:42.144 --> 00:25:44.656 to the response that we had with
NOTE Confidence: 0.75524392625

00:25:44.656 --> 00:25:46.640 the COVID tell simulation elective.
NOTE Confidence: 0.75524392625

00:25:46.640 --> 00:25:48.956 Doctor Mark Auerbach is the director
NOTE Confidence: 0.75524392625

00:25:48.956 --> 00:25:50.800 of pediatric simulation at YCMS.
NOTE Confidence: 0.925837624166666

00:25:55.600 --> 00:25:57.352 Hi, thank you for the opportunity
NOTE Confidence: 0.925837624166666

00:25:57.352 --> 00:25:59.380 to share our work in Pediatrics.
NOTE Confidence: 0.925837624166666

00:25:59.380 --> 00:26:01.620 So I just wanted to give some experience
NOTE Confidence: 0.925837624166666

00:26:01.620 --> 00:26:04.238 that we have with our clerkship students
NOTE Confidence: 0.925837624166666

00:26:04.238 --> 00:26:06.228 during their pediatric rotation and
NOTE Confidence: 0.925837624166666

00:26:06.286 --> 00:26:08.414 we've been speaking a lot about other
NOTE Confidence: 0.925837624166666

00:26:08.414 --> 00:26:10.500 aspects of the medical school experience.
NOTE Confidence: 0.925837624166666

00:26:10.500 --> 00:26:13.230 So while they have exposure to Pediatrics
NOTE Confidence: 0.925837624166666

00:26:13.294 --> 00:26:15.910 in the preclinical and some of the other
NOTE Confidence: 0.925837624166666

00:26:15.910 --> 00:26:17.658 experiences that Lee had mentioned,
NOTE Confidence: 0.925837624166666

00:26:17.660 --> 00:26:19.772 they are able to get 8 hours of

NOTE Confidence: 0.925837624166666

00:26:19.772 --> 00:26:21.780 simulation in the pediatric clerkship.

NOTE Confidence: 0.925837624166666

00:26:21.780 --> 00:26:23.700 So four of those sessions are at the

NOTE Confidence: 0.925837624166666

00:26:23.700 --> 00:26:25.332 SIM Center for students only where

NOTE Confidence: 0.925837624166666

00:26:25.332 --> 00:26:27.450 they are in a safe environment without.

NOTE Confidence: 0.925837624166666

00:26:27.450 --> 00:26:28.902 Residents or interprofessional staff,

NOTE Confidence: 0.925837624166666

00:26:28.902 --> 00:26:31.480 such as nurses and then they do

NOTE Confidence: 0.925837624166666

00:26:31.480 --> 00:26:33.496 get 4 experiences where they are

NOTE Confidence: 0.925837624166666

00:26:33.496 --> 00:26:35.222 interprofessional over at the hospital

NOTE Confidence: 0.925837624166666

00:26:35.222 --> 00:26:36.872 depending upon if they're rotating

NOTE Confidence: 0.925837624166666

00:26:36.872 --> 00:26:38.746 on the floor or on the nick.

NOTE Confidence: 0.925837624166666

00:26:38.746 --> 00:26:41.816 You or in the pic you get to participate in

NOTE Confidence: 0.925837624166666

00:26:41.816 --> 00:26:43.926 simulation alongside residents and nurses.

NOTE Confidence: 0.925837624166666

00:26:43.930 --> 00:26:45.784 The cases that we cover really

NOTE Confidence: 0.925837624166666

00:26:45.784 --> 00:26:47.887 range the spectrum and we do have

NOTE Confidence: 0.925837624166666

00:26:47.887 --> 00:26:49.763 a need and have been very fortunate

NOTE Confidence: 0.925837624166666

00:26:49.828 --> 00:26:52.053 to be provided simulators across
NOTE Confidence: 0.925837624166666

00:26:52.053 --> 00:26:53.388 that developmental spectrum.
NOTE Confidence: 0.925837624166666

00:26:53.390 --> 00:26:54.950 So as pediatricians were always
NOTE Confidence: 0.925837624166666

00:26:54.950 --> 00:26:56.510 thinking about growth and development,
NOTE Confidence: 0.925837624166666

00:26:56.510 --> 00:26:58.430 we're fortunate to have a newborn
NOTE Confidence: 0.925837624166666

00:26:58.430 --> 00:27:00.685 infant sized simulator so we can do
NOTE Confidence: 0.925837624166666

00:27:00.685 --> 00:27:02.509 cases that range from congenital heart
NOTE Confidence: 0.925837624166666

00:27:02.509 --> 00:27:04.197 disease and critically ill newborn
NOTE Confidence: 0.925837624166666

00:27:04.197 --> 00:27:06.183 that's just delivered up through a
NOTE Confidence: 0.925837624166666

00:27:06.190 --> 00:27:08.000 toddler sized mannequin that can
NOTE Confidence: 0.925837624166666

00:27:08.000 --> 00:27:09.810 represent things like child abuse,
NOTE Confidence: 0.925837624166666

00:27:09.810 --> 00:27:10.786 sepsis, anaphylaxis,
NOTE Confidence: 0.925837624166666

00:27:10.786 --> 00:27:14.202 myocarditis and then a child sized mannequin.
NOTE Confidence: 0.925837624166666

00:27:14.210 --> 00:27:15.662 That's about a school age child
NOTE Confidence: 0.925837624166666

00:27:15.662 --> 00:27:17.179 that can represent some of those
NOTE Confidence: 0.925837624166666

00:27:17.179 --> 00:27:18.667 other conditions and do things like.

NOTE Confidence: 0.925837624166666

00:27:18.670 --> 00:27:20.570 Talking interact with the patients.

NOTE Confidence: 0.925837624166666

00:27:20.570 --> 00:27:22.572 We're very fortunate to have a family

NOTE Confidence: 0.925837624166666

00:27:22.572 --> 00:27:24.554 member present in joy who's a trained

NOTE Confidence: 0.925837624166666

00:27:24.554 --> 00:27:26.774 actor and really helps to bring in many

NOTE Confidence: 0.925837624166666

00:27:26.774 --> 00:27:28.490 of the family centered care objectives

NOTE Confidence: 0.925837624166666

00:27:28.490 --> 00:27:32.670 that are really critical to Pediatrics.

NOTE Confidence: 0.925837624166666

00:27:32.670 --> 00:27:34.290 So the learning objectives for

NOTE Confidence: 0.925837624166666

00:27:34.290 --> 00:27:35.910 all of our pediatric simulations

NOTE Confidence: 0.925837624166666

00:27:35.967 --> 00:27:37.407 do include many that doctor,

NOTE Confidence: 0.925837624166666

00:27:37.410 --> 00:27:38.658 Evans and others mentioned.

NOTE Confidence: 0.925837624166666

00:27:38.658 --> 00:27:40.530 So we have clinical decision making.

NOTE Confidence: 0.925837624166666

00:27:40.530 --> 00:27:41.726 Those psycho motor skills.

NOTE Confidence: 0.925837624166666

00:27:41.726 --> 00:27:43.905 So being able to touch and feel

NOTE Confidence: 0.925837624166666

00:27:43.905 --> 00:27:44.877 and do procedures,

NOTE Confidence: 0.925837624166666

00:27:44.880 --> 00:27:45.891 teamwork and communication,

NOTE Confidence: 0.925837624166666

00:27:45.891 --> 00:27:48.250 we had a simulation this afternoon with
NOTE Confidence: 0.925837624166666

00:27:48.301 --> 00:27:49.756 the student incident fascinating to
NOTE Confidence: 0.925837624166666

00:27:49.756 --> 00:27:51.943 see over the course of four sessions
NOTE Confidence: 0.925837624166666

00:27:51.943 --> 00:27:53.965 these were students that it really
NOTE Confidence: 0.925837624166666

00:27:53.965 --> 00:27:56.044 started clerkships this block and have
NOTE Confidence: 0.925837624166666

00:27:56.044 --> 00:27:58.590 not been in the hospital too long,
NOTE Confidence: 0.925837624166666

00:27:58.590 --> 00:28:00.410 but to see how they've gone from,
NOTE Confidence: 0.925837624166666

00:28:00.410 --> 00:28:00.870 you know,
NOTE Confidence: 0.925837624166666

00:28:00.870 --> 00:28:02.250 not really understanding what a team.
NOTE Confidence: 0.925837624166666

00:28:02.250 --> 00:28:03.958 Peter does to really starting to apply
NOTE Confidence: 0.925837624166666

00:28:03.958 --> 00:28:06.020 some of the tenets of teamwork and
NOTE Confidence: 0.925837624166666

00:28:06.020 --> 00:28:07.610 communication and then the family
NOTE Confidence: 0.925837624166666

00:28:07.610 --> 00:28:09.312 centered care aspects and embedding
NOTE Confidence: 0.925837624166666

00:28:09.312 --> 00:28:10.977 discussions with the parents that
NOTE Confidence: 0.925837624166666

00:28:10.977 --> 00:28:13.525 involve both empathy and the importance
NOTE Confidence: 0.925837624166666

00:28:13.525 --> 00:28:16.330 of ascertaining information from the parents.

NOTE Confidence: 0.925837624166666

00:28:16.330 --> 00:28:18.676 Please advance a element that we

NOTE Confidence: 0.925837624166666

00:28:18.676 --> 00:28:21.997 put in which is quite innovative in

NOTE Confidence: 0.925837624166666

00:28:21.997 --> 00:28:23.668 the simulation world,

NOTE Confidence: 0.925837624166666

00:28:23.670 --> 00:28:25.500 but something of vital importance

NOTE Confidence: 0.925837624166666

00:28:25.500 --> 00:28:26.964 is enhancing the diversity,

NOTE Confidence: 0.925837624166666

00:28:26.970 --> 00:28:28.926 equity and inclusion in the whole

NOTE Confidence: 0.925837624166666

00:28:28.926 --> 00:28:31.010 patient aspect of our simulations.

NOTE Confidence: 0.925837624166666

00:28:31.010 --> 00:28:32.865 So as an example, in today's case,

NOTE Confidence: 0.925837624166666

00:28:32.870 --> 00:28:34.462 when we conducted an.

NOTE Confidence: 0.925837624166666

00:28:34.462 --> 00:28:36.452 Asthma simulation the patient was

NOTE Confidence: 0.925837624166666

00:28:36.452 --> 00:28:38.354 homeless and have some discussions

NOTE Confidence: 0.925837624166666

00:28:38.354 --> 00:28:40.957 in our debriefing about not only the

NOTE Confidence: 0.925837624166666

00:28:40.957 --> 00:28:43.568 asthma and how to manage status asthmaticus,

NOTE Confidence: 0.925837624166666

00:28:43.570 --> 00:28:45.364 but how to integrate that patient

NOTE Confidence: 0.925837624166666

00:28:45.364 --> 00:28:46.560 within some of the

NOTE Confidence: 0.893537576666666

00:28:46.621 --> 00:28:48.431 support systems related to homelessness
NOTE Confidence: 0.8935375766666666

00:28:48.431 --> 00:28:51.346 and legal action in New Haven. Next slide.
NOTE Confidence: 0.8935375766666666

00:28:51.346 --> 00:28:53.782 We've also been very fortunate that the
NOTE Confidence: 0.8935375766666666

00:28:53.782 --> 00:28:56.364 Med school this past year helped us
NOTE Confidence: 0.8935375766666666

00:28:56.364 --> 00:28:58.570 to actually diversify our mannequins,
NOTE Confidence: 0.8935375766666666

00:28:58.570 --> 00:29:01.686 so we were able to purchase a
NOTE Confidence: 0.8935375766666666

00:29:01.686 --> 00:29:04.026 number of darker skin mannequins.
NOTE Confidence: 0.8935375766666666

00:29:04.030 --> 00:29:05.640 We had an adult that have been
NOTE Confidence: 0.8935375766666666

00:29:05.640 --> 00:29:06.630 purchased in the past,
NOTE Confidence: 0.8935375766666666

00:29:06.630 --> 00:29:08.793 but now have a variety of pediatric
NOTE Confidence: 0.8935375766666666

00:29:08.793 --> 00:29:11.128 mannequins that are of different skin color.
NOTE Confidence: 0.8935375766666666

00:29:11.130 --> 00:29:12.534 Obviously that's necessary,
NOTE Confidence: 0.8935375766666666

00:29:12.534 --> 00:29:13.938 but not sufficient.
NOTE Confidence: 0.8935375766666666

00:29:13.940 --> 00:29:15.395 There's still more work that
NOTE Confidence: 0.8935375766666666

00:29:15.395 --> 00:29:16.850 we have to do there,
NOTE Confidence: 0.8935375766666666

00:29:16.850 --> 00:29:18.670 but we've integrated these objectives.

NOTE Confidence: 0.8935375766666666
00:29:18.670 --> 00:29:19.726 As I mentioned,
NOTE Confidence: 0.8935375766666666
00:29:19.726 --> 00:29:21.134 homelessness dealing with uninsured,
NOTE Confidence: 0.8935375766666666
00:29:21.140 --> 00:29:23.064 dealing with racism and bias, and.
NOTE Confidence: 0.8935375766666666
00:29:23.064 --> 00:29:25.576 Having a name that is stated in the
NOTE Confidence: 0.8935375766666666
00:29:25.576 --> 00:29:27.675 wrong way and seeing how you can
NOTE Confidence: 0.8935375766666666
00:29:27.675 --> 00:29:30.259 call in or call out related to that,
NOTE Confidence: 0.8935375766666666
00:29:30.260 --> 00:29:32.017 the challenge for this and we're learning
NOTE Confidence: 0.8935375766666666
00:29:32.017 --> 00:29:34.182 as we go along is how you integrate
NOTE Confidence: 0.8935375766666666
00:29:34.182 --> 00:29:36.150 this with into the existing curriculum,
NOTE Confidence: 0.8935375766666666
00:29:36.150 --> 00:29:38.286 because obviously this is a very
NOTE Confidence: 0.8935375766666666
00:29:38.286 --> 00:29:40.903 important topic but can be really quite
NOTE Confidence: 0.8935375766666666
00:29:40.903 --> 00:29:42.778 sensitive and needs the appropriate
NOTE Confidence: 0.8935375766666666
00:29:42.778 --> 00:29:45.074 time to have the discussions and
NOTE Confidence: 0.8935375766666666
00:29:45.074 --> 00:29:47.288 we're really excited that some of
NOTE Confidence: 0.8935375766666666
00:29:47.290 --> 00:29:48.868 the leading members at the medical
NOTE Confidence: 0.8935375766666666

00:29:48.868 --> 00:29:50.474 school that are working in this
NOTE Confidence: 0.8935375766666666

00:29:50.474 --> 00:29:51.974 area have provided us really focused
NOTE Confidence: 0.8935375766666666

00:29:51.974 --> 00:29:53.658 tricks and tips and teaching points.
NOTE Confidence: 0.8935375766666666

00:29:53.660 --> 00:29:55.820 Just as we would work with a cardiologist,
NOTE Confidence: 0.8935375766666666

00:29:55.820 --> 00:29:57.564 we've worked with the DI team to get
NOTE Confidence: 0.8935375766666666

00:29:57.564 --> 00:29:59.640 some of those important teaching points.
NOTE Confidence: 0.8935375766666666

00:29:59.640 --> 00:30:01.510 Next, slide.
NOTE Confidence: 0.8935375766666666

00:30:01.510 --> 00:30:03.729 So, as was mentioned by Doctor Evans,
NOTE Confidence: 0.8935375766666666

00:30:03.730 --> 00:30:05.570 one of the things that we did do
NOTE Confidence: 0.8935375766666666

00:30:05.570 --> 00:30:07.269 during the pandemic was innovate.
NOTE Confidence: 0.8935375766666666

00:30:07.270 --> 00:30:09.014 So this is a picture of my son
NOTE Confidence: 0.8935375766666666

00:30:09.014 --> 00:30:10.572 actually overlaid and he was having a
NOTE Confidence: 0.8935375766666666

00:30:10.572 --> 00:30:12.052 seizure during one of those clerkship
NOTE Confidence: 0.8935375766666666

00:30:12.052 --> 00:30:13.508 simulations that we mentioned.
NOTE Confidence: 0.8935375766666666

00:30:13.510 --> 00:30:14.218 I mean,
NOTE Confidence: 0.8935375766666666

00:30:14.218 --> 00:30:15.988 elective simulations that we mentioned

NOTE Confidence: 0.8935375766666666
00:30:15.988 --> 00:30:18.350 where we have parents facilitators.
NOTE Confidence: 0.8935375766666666
00:30:18.350 --> 00:30:20.464 We did shift down to having only
NOTE Confidence: 0.8935375766666666
00:30:20.464 --> 00:30:21.068 three students,
NOTE Confidence: 0.8935375766666666
00:30:21.070 --> 00:30:22.798 but most of what those individuals
NOTE Confidence: 0.8935375766666666
00:30:22.798 --> 00:30:23.950 were doing was listening,
NOTE Confidence: 0.8935375766666666
00:30:23.950 --> 00:30:27.765 speaking and typing into zoom next slide.
NOTE Confidence: 0.8935375766666666
00:30:27.770 --> 00:30:30.150 And during that time we were very
NOTE Confidence: 0.8935375766666666
00:30:30.150 --> 00:30:31.898 fortunate to learn through really
NOTE Confidence: 0.8935375766666666
00:30:31.898 --> 00:30:34.154 what is a small community like
NOTE Confidence: 0.8935375766666666
00:30:34.154 --> 00:30:35.570 in many subspecialties?
NOTE Confidence: 0.8935375766666666
00:30:35.570 --> 00:30:37.930 Within simulation of an innovative
NOTE Confidence: 0.8935375766666666
00:30:37.930 --> 00:30:39.818 platform leveraging Google Slides
NOTE Confidence: 0.8935375766666666
00:30:39.818 --> 00:30:42.482 and we're able to work with our
NOTE Confidence: 0.8935375766666666
00:30:42.482 --> 00:30:44.548 technicians and our actors at the
NOTE Confidence: 0.8935375766666666
00:30:44.548 --> 00:30:46.585 SIM center to allow for doing so.
NOTE Confidence: 0.8935375766666666

00:30:46.590 --> 00:30:49.894 Looking at this slide and Lee will advance.

NOTE Confidence: 0.8935375766666666

00:30:49.900 --> 00:30:51.658 You can actually have the sick

NOTE Confidence: 0.8935375766666666

00:30:51.658 --> 00:30:54.185 patient come in as you would in a

NOTE Confidence: 0.8935375766666666

00:30:54.185 --> 00:30:55.800 real experience and using Google

NOTE Confidence: 0.8935375766666666

00:30:55.800 --> 00:30:58.153 Slides can work as a team to move

NOTE Confidence: 0.8935375766666666

00:30:58.153 --> 00:30:59.490 equipment to conduct procedures

NOTE Confidence: 0.8935375766666666

00:30:59.490 --> 00:31:01.450 in that virtual environment.

NOTE Confidence: 0.8935375766666666

00:31:01.450 --> 00:31:03.586 And then move on to debriefing

NOTE Confidence: 0.8935375766666666

00:31:03.586 --> 00:31:05.010 during the zoom session.

NOTE Confidence: 0.8935375766666666

00:31:05.010 --> 00:31:06.564 So all our students needed and they

NOTE Confidence: 0.8935375766666666

00:31:06.564 --> 00:31:08.206 were able to do this and have been

NOTE Confidence: 0.8935375766666666

00:31:08.206 --> 00:31:09.970 able to do this in different places.

NOTE Confidence: 0.8935375766666666

00:31:09.970 --> 00:31:12.625 Today we had to go back to this on

NOTE Confidence: 0.8935375766666666

00:31:12.625 --> 00:31:15.426 the fly because of the Omicron surge

NOTE Confidence: 0.8935375766666666

00:31:15.426 --> 00:31:18.268 and students really just need their laptop.

NOTE Confidence: 0.8935375766666666

00:31:18.270 --> 00:31:20.118 A Google slide room and zoom so

NOTE Confidence: 0.8935375766666666

00:31:20.118 --> 00:31:21.842 they all have that available and

NOTE Confidence: 0.8935375766666666

00:31:21.842 --> 00:31:23.858 can do this from their home or

NOTE Confidence: 0.8935375766666666

00:31:23.921 --> 00:31:25.508 wherever they're traveling.

NOTE Confidence: 0.8935375766666666

00:31:25.510 --> 00:31:27.715 And that's really the setup so they're

NOTE Confidence: 0.8935375766666666

00:31:27.715 --> 00:31:29.285 seeing their fellow students on the

NOTE Confidence: 0.8935375766666666

00:31:29.285 --> 00:31:31.477 right side in the zoom window and on the.

NOTE Confidence: 0.777929794285714

00:31:31.480 --> 00:31:34.035 Left side seeing this virtual

NOTE Confidence: 0.777929794285714

00:31:34.035 --> 00:31:35.057 simulation experience.

NOTE Confidence: 0.777929794285714

00:31:35.060 --> 00:31:38.280 Next slide. So they get set up,

NOTE Confidence: 0.777929794285714

00:31:38.280 --> 00:31:39.396 we divide them into roles just

NOTE Confidence: 0.777929794285714

00:31:39.396 --> 00:31:40.779 like we would at the SIM center.

NOTE Confidence: 0.777929794285714

00:31:40.780 --> 00:31:42.214 And again, this was something we're

NOTE Confidence: 0.777929794285714

00:31:42.214 --> 00:31:44.100 pretty proud of in terms of innovation,

NOTE Confidence: 0.777929794285714

00:31:44.100 --> 00:31:46.053 where they still were able to go

NOTE Confidence: 0.777929794285714

00:31:46.053 --> 00:31:47.420 through running this case now,

NOTE Confidence: 0.777929794285714

00:31:47.420 --> 00:31:50.918 instead of just seeing and typing,
NOTE Confidence: 0.777929794285714

00:31:50.920 --> 00:31:52.136 but actually doing so,
NOTE Confidence: 0.777929794285714

00:31:52.136 --> 00:31:53.656 we have a little example
NOTE Confidence: 0.777929794285714

00:31:53.656 --> 00:31:55.416 of that in the next slide.
NOTE Confidence: 0.777929794285714

00:31:55.420 --> 00:31:56.876 So they divide up into teams we've
NOTE Confidence: 0.777929794285714

00:31:56.876 --> 00:31:58.571 come up with six rolls to try to
NOTE Confidence: 0.777929794285714

00:31:58.571 --> 00:31:59.770 give them all something to do.
NOTE Confidence: 0.777929794285714

00:31:59.770 --> 00:32:01.240 We've even put in this liquor
NOTE Confidence: 0.777929794285714

00:32:01.240 --> 00:32:02.491 upper role where they're going
NOTE Confidence: 0.777929794285714

00:32:02.491 --> 00:32:04.045 to look things up on the Internet
NOTE Confidence: 0.777929794285714

00:32:04.045 --> 00:32:05.786 and start to talk about what is
NOTE Confidence: 0.777929794285714

00:32:05.786 --> 00:32:07.031 a reliable source of information,
NOTE Confidence: 0.777929794285714

00:32:07.040 --> 00:32:08.660 or perhaps a less reliable source.
NOTE Confidence: 0.777929794285714

00:32:08.660 --> 00:32:10.210 And it's been really interesting
NOTE Confidence: 0.777929794285714

00:32:10.210 --> 00:32:11.760 to see them struggling through
NOTE Confidence: 0.777929794285714

00:32:11.814 --> 00:32:13.514 documentation and functioning in some

NOTE Confidence: 0.777929794285714
00:32:13.514 --> 00:32:15.560 of those more traditional nurse roles.
NOTE Confidence: 0.777929794285714
00:32:15.560 --> 00:32:16.070 Next slide.
NOTE Confidence: 0.905821384
00:32:19.170 --> 00:32:20.810 So again, you can simultaneously
NOTE Confidence: 0.905821384
00:32:20.810 --> 00:32:22.450 edit as you go through.
NOTE Confidence: 0.905821384
00:32:22.450 --> 00:32:24.347 We can easily cut and paste in.
NOTE Confidence: 0.905821384
00:32:24.350 --> 00:32:26.504 Our technicians have helped us with
NOTE Confidence: 0.905821384
00:32:26.504 --> 00:32:29.050 this and put things like in newborn.
NOTE Confidence: 0.905821384
00:32:29.050 --> 00:32:30.790 A newborn cart with a
NOTE Confidence: 0.905821384
00:32:30.790 --> 00:32:32.182 newborn ventilator in there.
NOTE Confidence: 0.905821384
00:32:32.190 --> 00:32:34.410 Put things like a intraosseous line
NOTE Confidence: 0.905821384
00:32:34.410 --> 00:32:37.058 and take photos of that next slide.
NOTE Confidence: 0.905821384
00:32:37.060 --> 00:32:38.404 And then here's a little bit
NOTE Confidence: 0.905821384
00:32:38.404 --> 00:32:39.590 about what it looks like,
NOTE Confidence: 0.905821384
00:32:39.590 --> 00:32:41.347 so you can press play Doctor Evans
NOTE Confidence: 0.905821384
00:32:41.347 --> 00:32:43.287 and you'll see here that the students
NOTE Confidence: 0.6740567475

00:32:43.300 --> 00:32:45.358 at the blood pressure O2 SAT temp
NOTE Confidence: 0.6740567475

00:32:45.360 --> 00:32:47.096 heart rate, and I'd also like to add
NOTE Confidence: 0.497762264

00:32:47.110 --> 00:32:48.690 up to move the clothes,
NOTE Confidence: 0.784600366666667

00:32:49.020 --> 00:32:50.880 examine the patient. The middle
NOTE Confidence: 0.784600366666667

00:32:50.880 --> 00:32:52.278 signs come up on the monitor,
NOTE Confidence: 0.784600366666667

00:32:52.280 --> 00:32:55.064 can click on the stethoscope to hear heart
NOTE Confidence: 0.496419813333333

00:32:55.080 --> 00:32:57.300 and lungs. Could you please don't
NOTE Confidence: 0.496419813333333

00:32:57.300 --> 00:32:58.632 interact and do many of the
NOTE Confidence: 0.496419813333333

00:32:58.632 --> 00:32:59.784 things that they would do during
NOTE Confidence: 0.671900576666667

00:32:59.800 --> 00:33:00.808 a real simulation
NOTE Confidence: 0.8158514075

00:33:01.390 --> 00:33:04.010 center, which we're hoping to get back to. So
NOTE Confidence: 0.863075021666667

00:33:04.040 --> 00:33:06.300 if I take a look at his face
NOTE Confidence: 0.876255885

00:33:06.310 --> 00:33:07.426 and airway, what do I see?
NOTE Confidence: 0.916362441666667

00:33:08.410 --> 00:33:10.270 If you go to Slide 4,
NOTE Confidence: 0.916362441666667

00:33:10.270 --> 00:33:12.486 you can see a picture of what his
NOTE Confidence: 0.916362441666667

00:33:12.486 --> 00:33:13.878 face and upper area looks like,

NOTE Confidence: 0.916362441666667
00:33:13.880 --> 00:33:15.320 and if you press play you can hear
NOTE Confidence: 0.916362441666667
00:33:15.320 --> 00:33:17.266 an audio of his upper airway sounds.
NOTE Confidence: 0.863653076428571
00:33:17.880 --> 00:33:19.763 Thank you so Marley, I see a
NOTE Confidence: 0.863653076428571
00:33:19.763 --> 00:33:21.827 little boy who is awake and alert,
NOTE Confidence: 0.863653076428571
00:33:21.830 --> 00:33:23.178 is some obvious swelling around
NOTE Confidence: 0.863653076428571
00:33:23.178 --> 00:33:25.316 his mouth and a rash on his cheeks.
NOTE Confidence: 0.863653076428571
00:33:25.316 --> 00:33:27.440 This is what I hear.
NOTE Confidence: 0.877602924
00:33:31.560 --> 00:33:34.372 So so as you see, there were able to
NOTE Confidence: 0.877602924
00:33:34.372 --> 00:33:35.737 integrate some real patient videos,
NOTE Confidence: 0.877602924
00:33:35.740 --> 00:33:37.560 and during the pandemic some of these
NOTE Confidence: 0.877602924
00:33:37.560 --> 00:33:39.132 things that we've learned and using
NOTE Confidence: 0.877602924
00:33:39.132 --> 00:33:40.854 some of these videos during our in
NOTE Confidence: 0.877602924
00:33:40.906 --> 00:33:42.656 person simulations have actually been
NOTE Confidence: 0.877602924
00:33:42.660 --> 00:33:44.480 quite powerful and quite helpful.
NOTE Confidence: 0.877602924
00:33:44.480 --> 00:33:47.336 But I I think that this was really,
NOTE Confidence: 0.877602924

00:33:47.340 --> 00:33:49.167 you know, a great testament to the
NOTE Confidence: 0.877602924

00:33:49.167 --> 00:33:51.338 entirety of our team and innovating and
NOTE Confidence: 0.877602924

00:33:51.338 --> 00:33:53.342 responding to feedback from the students
NOTE Confidence: 0.877602924

00:33:53.395 --> 00:33:55.635 because the feedback from the students was,
NOTE Confidence: 0.877602924

00:33:55.640 --> 00:33:57.340 we want more pediatric simulation.
NOTE Confidence: 0.877602924

00:33:57.340 --> 00:33:59.410 We want more virtual simulation.
NOTE Confidence: 0.877602924

00:33:59.410 --> 00:34:01.327 But is there a way to do it that
NOTE Confidence: 0.877602924

00:34:01.327 --> 00:34:03.229 we can actually do more instead
NOTE Confidence: 0.877602924

00:34:03.229 --> 00:34:04.839 of just looking and speaking?
NOTE Confidence: 0.877602924

00:34:04.839 --> 00:34:06.693 So thank you for that opportunity
NOTE Confidence: 0.877602924

00:34:06.693 --> 00:34:07.620 to share that.
NOTE Confidence: 0.86468082

00:34:09.850 --> 00:34:11.053 Hey thanks mark.
NOTE Confidence: 0.86468082

00:34:11.053 --> 00:34:13.058 So as I've already mentioned,
NOTE Confidence: 0.86468082

00:34:13.060 --> 00:34:14.740 we've incorporated simulation into
NOTE Confidence: 0.86468082

00:34:14.740 --> 00:34:17.260 the first week of medical school,
NOTE Confidence: 0.86468082

00:34:17.260 --> 00:34:20.196 and now our hope is to incorporate a

NOTE Confidence: 0.86468082

00:34:20.196 --> 00:34:22.839 simulation into the end of medical school.

NOTE Confidence: 0.86468082

00:34:22.840 --> 00:34:24.796 So I've already been in discussions

NOTE Confidence: 0.86468082

00:34:24.796 --> 00:34:26.628 with Doctor Lucy about potentially

NOTE Confidence: 0.86468082

00:34:26.628 --> 00:34:28.032 incorporating a simulation

NOTE Confidence: 0.86468082

00:34:28.032 --> 00:34:30.372 curriculum into the Capstone course,

NOTE Confidence: 0.86468082

00:34:30.380 --> 00:34:32.580 and we'd like to offer it in the

NOTE Confidence: 0.86468082

00:34:32.580 --> 00:34:34.734 spring to 4th year students that

NOTE Confidence: 0.86468082

00:34:34.734 --> 00:34:37.269 have matched into clinical residency,

NOTE Confidence: 0.86468082

00:34:37.270 --> 00:34:39.125 and it will be similar to a

NOTE Confidence: 0.86468082

00:34:39.125 --> 00:34:40.815 boot camp type scenarios where

NOTE Confidence: 0.86468082

00:34:40.815 --> 00:34:42.890 these are scenarios where the.

NOTE Confidence: 0.86468082

00:34:42.890 --> 00:34:44.808 Student would be the first person called

NOTE Confidence: 0.86468082

00:34:44.808 --> 00:34:47.175 to the bedside as an intern and they

NOTE Confidence: 0.86468082

00:34:47.175 --> 00:34:48.670 would manage things like hyperkalemia,

NOTE Confidence: 0.86468082

00:34:48.670 --> 00:34:50.206 change in mental status,

NOTE Confidence: 0.86468082

00:34:50.206 --> 00:34:52.510 shortness of breath and chest pain.
NOTE Confidence: 0.86468082

00:34:52.510 --> 00:34:54.802 We're hoping to actually pilot that
NOTE Confidence: 0.86468082

00:34:54.802 --> 00:34:57.860 this spring in 2022 and add it to
NOTE Confidence: 0.86468082

00:34:57.860 --> 00:35:00.445 our curriculum in 2023 and one of our
NOTE Confidence: 0.86468082

00:35:00.445 --> 00:35:02.361 simulation fellows for next year is
NOTE Confidence: 0.86468082

00:35:02.361 --> 00:35:04.476 particularly interested in this curriculum.
NOTE Confidence: 0.9066538125

00:35:06.660 --> 00:35:08.544 OK, now Doctor Wong and Doctor
NOTE Confidence: 0.9066538125

00:35:08.544 --> 00:35:10.545 Joseph are going to discuss some
NOTE Confidence: 0.9066538125

00:35:10.545 --> 00:35:12.579 of our research and introduce some
NOTE Confidence: 0.9066538125

00:35:12.579 --> 00:35:15.338 of our students scholars that have
NOTE Confidence: 0.9066538125

00:35:15.338 --> 00:35:17.350 participated in simulation research.
NOTE Confidence: 0.893999657777778

00:35:19.170 --> 00:35:20.361 Thanks doctor Evans.
NOTE Confidence: 0.893999657777778

00:35:20.361 --> 00:35:22.743 As you can imagine research and
NOTE Confidence: 0.893999657777778

00:35:22.743 --> 00:35:25.020 scholarship is one of the core tenants
NOTE Confidence: 0.893999657777778

00:35:25.020 --> 00:35:27.185 and missions of YCMS and tonight we
NOTE Confidence: 0.893999657777778

00:35:27.185 --> 00:35:29.223 really wanted the chance to highlight

NOTE Confidence: 0.893999657777778

00:35:29.223 --> 00:35:31.298 some of our students scholars.

NOTE Confidence: 0.893999657777778

00:35:31.300 --> 00:35:33.155 We've been very proud and excited to

NOTE Confidence: 0.893999657777778

00:35:33.155 --> 00:35:34.843 work with some really bright minds

NOTE Confidence: 0.893999657777778

00:35:34.843 --> 00:35:36.803 and some of the best students that

NOTE Confidence: 0.893999657777778

00:35:36.862 --> 00:35:38.626 we have at Yale School of Medicine

NOTE Confidence: 0.893999657777778

00:35:38.630 --> 00:35:40.520 and we wanted to highlight them with

NOTE Confidence: 0.893999657777778

00:35:40.520 --> 00:35:41.952 their experiences working with YCMS

NOTE Confidence: 0.893999657777778

00:35:41.952 --> 00:35:44.364 in some of their ongoing projects.

NOTE Confidence: 0.893999657777778

00:35:44.370 --> 00:35:47.114 So we'll start with Jiangsu Jiangsu started

NOTE Confidence: 0.893999657777778

00:35:47.114 --> 00:35:50.110 with us very early right from day one,

NOTE Confidence: 0.893999657777778

00:35:50.110 --> 00:35:52.694 is currently doing a fifth year project in

NOTE Confidence: 0.893999657777778

00:35:52.694 --> 00:35:54.959 dermatology and has interest in dermatology,

NOTE Confidence: 0.893999657777778

00:35:54.960 --> 00:35:57.018 but we were able to work with her earlier

NOTE Confidence: 0.893999657777778

00:35:57.020 --> 00:35:59.864 on and she worked with a number of our

NOTE Confidence: 0.893999657777778

00:35:59.864 --> 00:36:02.386 faculty members and number of projects.

NOTE Confidence: 0.893999657777778

00:36:02.390 --> 00:36:04.100 John see you want to get us started about
NOTE Confidence: 0.893999657777778

00:36:04.100 --> 00:36:05.620 your experiences doing research with
NOTE Confidence: 0.696563336666667

00:36:05.630 --> 00:36:06.860 us? Yeah, thank
NOTE Confidence: 0.7646837792

00:36:06.870 --> 00:36:07.878 you for that introduction.
NOTE Confidence: 0.7646837792

00:36:07.878 --> 00:36:10.572 My name is Gen Z as Doctor Long mentioned
NOTE Confidence: 0.7646837792

00:36:10.572 --> 00:36:12.810 and I'm currently a researcher medical
NOTE Confidence: 0.7646837792

00:36:12.810 --> 00:36:14.836 student in my chronological 4th year.
NOTE Confidence: 0.7646837792

00:36:14.840 --> 00:36:17.240 I became interested in the YCMS work
NOTE Confidence: 0.7646837792

00:36:17.240 --> 00:36:18.780 as I wanted to become involved in
NOTE Confidence: 0.7646837792

00:36:18.780 --> 00:36:20.018 research that introduced sector,
NOTE Confidence: 0.7646837792

00:36:20.020 --> 00:36:20.840 technology, engineering,
NOTE Confidence: 0.7646837792

00:36:20.840 --> 00:36:22.890 and medical education during my
NOTE Confidence: 0.7646837792

00:36:22.890 --> 00:36:25.059 first year of medical school.
NOTE Confidence: 0.7646837792

00:36:25.060 --> 00:36:27.265 I first reached out and worked with
NOTE Confidence: 0.7646837792

00:36:27.265 --> 00:36:29.053 Doctor Mark Arbach regarding his
NOTE Confidence: 0.7646837792

00:36:29.053 --> 00:36:31.008 pediatric simulation studies and he

NOTE Confidence: 0.7646837792

00:36:31.008 --> 00:36:33.219 connected me with Doctor Melissa Joseph

NOTE Confidence: 0.7646837792

00:36:33.219 --> 00:36:35.501 for work and using Hexa Skin which

NOTE Confidence: 0.7646837792

00:36:35.510 --> 00:36:37.494 is a wearable bio suit and we use

NOTE Confidence: 0.7646837792

00:36:37.494 --> 00:36:39.496 that to measure biofeedback metrics

NOTE Confidence: 0.7646837792

00:36:39.496 --> 00:36:41.891 during resident simulation sessions to

NOTE Confidence: 0.7646837792

00:36:41.891 --> 00:36:44.208 determine if inoculation training has

NOTE Confidence: 0.7646837792

00:36:44.208 --> 00:36:46.794 an effect on physician trainee burnout.

NOTE Confidence: 0.7646837792

00:36:46.800 --> 00:36:49.494 As a medical student researcher and I

NOTE Confidence: 0.7646837792

00:36:49.494 --> 00:36:51.412 was able to participate in the trial

NOTE Confidence: 0.7646837792

00:36:51.412 --> 00:36:53.154 of wearable biometric shirts learned

NOTE Confidence: 0.7646837792

00:36:53.154 --> 00:36:55.044 about the collaboration work with

NOTE Confidence: 0.7646837792

00:36:55.044 --> 00:36:57.116 other labs and also the simulation

NOTE Confidence: 0.7646837792

00:36:57.116 --> 00:36:59.796 spaces and other schools and just

NOTE Confidence: 0.7646837792

00:36:59.796 --> 00:37:01.536 learn medicine and decision making.

NOTE Confidence: 0.7646837792

00:37:01.540 --> 00:37:03.736 From watching the residents and simulation

NOTE Confidence: 0.7646837792

00:37:03.736 --> 00:37:06.025 cases themselves when I conducted the
NOTE Confidence: 0.7646837792

00:37:06.025 --> 00:37:09.440 study day today at in the simulation space.
NOTE Confidence: 0.7646837792

00:37:09.440 --> 00:37:11.240 In addition to learning them,
NOTE Confidence: 0.7646837792

00:37:11.240 --> 00:37:11.758 these,
NOTE Confidence: 0.7646837792

00:37:11.758 --> 00:37:14.348 the cases themselves and learning
NOTE Confidence: 0.7646837792

00:37:14.348 --> 00:37:16.420 research methods they today,
NOTE Confidence: 0.7646837792

00:37:16.420 --> 00:37:18.112 whether it be in presenting an
NOTE Confidence: 0.7646837792

00:37:18.112 --> 00:37:19.240 academic meetings or learning
NOTE Confidence: 0.7646837792

00:37:19.290 --> 00:37:20.560 how to balance the surveys,
NOTE Confidence: 0.7646837792

00:37:20.560 --> 00:37:22.474 I was also given the opportunity
NOTE Confidence: 0.7646837792

00:37:22.474 --> 00:37:24.516 to become a coauthor in three
NOTE Confidence: 0.7646837792

00:37:24.516 --> 00:37:25.912 accepted and published papers
NOTE Confidence: 0.7646837792

00:37:25.912 --> 00:37:27.979 from the works with White EMS.
NOTE Confidence: 0.7646837792

00:37:27.980 --> 00:37:29.480 I want to emphasize that
NOTE Confidence: 0.7646837792

00:37:29.480 --> 00:37:30.380 throughout the process,
NOTE Confidence: 0.7646837792

00:37:30.380 --> 00:37:31.990 I felt strongly supported by

NOTE Confidence: 0.7646837792

00:37:31.990 --> 00:37:33.600 Doctor Joseph and other members

NOTE Confidence: 0.7646837792

00:37:33.654 --> 00:37:35.337 and faculty of the YC&S space who

NOTE Confidence: 0.7646837792

00:37:35.337 --> 00:37:36.771 treated me just like a colleague

NOTE Confidence: 0.7646837792

00:37:36.771 --> 00:37:38.213 and appreciated the research and

NOTE Confidence: 0.7646837792

00:37:38.213 --> 00:37:40.328 work I brought into this space.

NOTE Confidence: 0.7646837792

00:37:40.330 --> 00:37:42.070 And their mentorship and support is

NOTE Confidence: 0.7646837792

00:37:42.070 --> 00:37:44.810 truly the reason how we were able to get

NOTE Confidence: 0.7646837792

00:37:44.810 --> 00:37:46.030 abstracts and presentations accepted

NOTE Confidence: 0.7646837792

00:37:46.030 --> 00:37:48.350 at both the regional and national

NOTE Confidence: 0.7646837792

00:37:48.350 --> 00:37:49.914 academic emergency medicine meetings.

NOTE Confidence: 0.9299792

00:37:56.370 --> 00:37:59.056 Thanks Jung Soo so next we are

NOTE Confidence: 0.9299792

00:37:59.056 --> 00:38:01.410 going to invite August to speak.

NOTE Confidence: 0.853561607

00:38:01.410 --> 00:38:04.553 August is currently one of our second

NOTE Confidence: 0.853561607

00:38:04.553 --> 00:38:07.072 year medical students and has been

NOTE Confidence: 0.853561607

00:38:07.072 --> 00:38:09.627 working with us very closely on HHR

NOTE Confidence: 0.853561607

00:38:09.630 --> 00:38:13.578 funded study and has been a great
NOTE Confidence: 0.853561607

00:38:13.578 --> 00:38:16.734 help to us and we're really excited
NOTE Confidence: 0.853561607

00:38:16.734 --> 00:38:19.388 to continue working with him as he
NOTE Confidence: 0.853561607

00:38:19.388 --> 00:38:21.348 just entered his clerkship years.
NOTE Confidence: 0.853561607

00:38:21.350 --> 00:38:22.580 I'm going to hand it over to you I guess.
NOTE Confidence: 0.912625334444444

00:38:23.930 --> 00:38:25.394 Thanks so much Melissa.
NOTE Confidence: 0.912625334444444

00:38:25.394 --> 00:38:27.224 Super excited to be here.
NOTE Confidence: 0.912625334444444

00:38:27.230 --> 00:38:29.846 Thank you all for letting me speak tonight.
NOTE Confidence: 0.912625334444444

00:38:29.850 --> 00:38:31.250 As was mentioned I'm a
NOTE Confidence: 0.912625334444444

00:38:31.250 --> 00:38:32.370 second year medical student.
NOTE Confidence: 0.912625334444444

00:38:32.370 --> 00:38:34.085 Very very interested in emergency
NOTE Confidence: 0.912625334444444

00:38:34.085 --> 00:38:35.457 medicine in the future.
NOTE Confidence: 0.857144603333333

00:38:36.570 --> 00:38:37.518 In terms of how I came
NOTE Confidence: 0.845709135

00:38:37.530 --> 00:38:39.791 to YCMS. So actually about five years
NOTE Confidence: 0.845709135

00:38:39.791 --> 00:38:42.686 ago I was working as an ER tech in
NOTE Confidence: 0.845709135

00:38:42.686 --> 00:38:44.862 Stamford and one day Mark Auerbach

NOTE Confidence: 0.845709135

00:38:44.862 --> 00:38:46.594 brought his pediatric simulation

NOTE Confidence: 0.845709135

00:38:46.594 --> 00:38:49.212 show on the road down to Stanford

NOTE Confidence: 0.845709135

00:38:49.212 --> 00:38:50.976 Hospital and I thought this was

NOTE Confidence: 0.845709135

00:38:50.976 --> 00:38:52.800 amazing because I'd been an EMT for

NOTE Confidence: 0.845709135

00:38:52.800 --> 00:38:54.580 years at that point and I learned.

NOTE Confidence: 0.845709135

00:38:54.580 --> 00:38:57.064 More about pediatric emergencies and how

NOTE Confidence: 0.845709135

00:38:57.064 --> 00:39:00.299 to handle them in that one day session.

NOTE Confidence: 0.845709135

00:39:00.300 --> 00:39:02.855 Then in my past years of training,

NOTE Confidence: 0.845709135

00:39:02.860 --> 00:39:04.340 I thought this is fantastic.

NOTE Confidence: 0.845709135

00:39:04.340 --> 00:39:06.092 I grabbed his business card and

NOTE Confidence: 0.845709135

00:39:06.092 --> 00:39:07.846 five years later when I ended

NOTE Confidence: 0.845709135

00:39:07.846 --> 00:39:09.418 up at Yale School of Medicine,

NOTE Confidence: 0.845709135

00:39:09.420 --> 00:39:12.116 I gave him a call and here I am and it

NOTE Confidence: 0.845709135

00:39:12.116 --> 00:39:14.532 was one of the best choices I've made.

NOTE Confidence: 0.845709135

00:39:14.540 --> 00:39:17.612 The project I'm on now is junk.

NOTE Confidence: 0.845709135

00:39:17.612 --> 00:39:19.542 You mentioned there's really exciting
NOTE Confidence: 0.845709135

00:39:19.542 --> 00:39:22.164 work happening with the hexa skins and
NOTE Confidence: 0.845709135

00:39:22.164 --> 00:39:23.919 the live biometrics and physicians,
NOTE Confidence: 0.845709135

00:39:23.920 --> 00:39:25.834 and so we've brought that actually
NOTE Confidence: 0.845709135

00:39:25.834 --> 00:39:27.444 into the emergency department and
NOTE Confidence: 0.845709135

00:39:27.444 --> 00:39:29.432 so we have a working attendings and
NOTE Confidence: 0.845709135

00:39:29.432 --> 00:39:31.007 residents wearing these hexa skins
NOTE Confidence: 0.845709135

00:39:31.007 --> 00:39:32.602 measuring their levels of stress
NOTE Confidence: 0.845709135

00:39:32.602 --> 00:39:34.624 throughout the shift and then letting
NOTE Confidence: 0.845709135

00:39:34.624 --> 00:39:36.700 them go through a simulation curriculum
NOTE Confidence: 0.845709135

00:39:36.764 --> 00:39:38.672 and then going through another few
NOTE Confidence: 0.845709135

00:39:38.672 --> 00:39:40.863 shifts of those shirts on and seeing
NOTE Confidence: 0.845709135

00:39:40.863 --> 00:39:42.858 how do their levels of stress change,
NOTE Confidence: 0.845709135

00:39:42.860 --> 00:39:44.544 particularly in the context.
NOTE Confidence: 0.845709135

00:39:44.544 --> 00:39:46.649 Of kovid and these rapidly
NOTE Confidence: 0.845709135

00:39:46.649 --> 00:39:47.870 changing guidelines,

NOTE Confidence: 0.845709135

00:39:47.870 --> 00:39:50.086 and I think we have a really exciting

NOTE Confidence: 0.845709135

00:39:50.086 --> 00:39:51.747 project that kind of lets us see

NOTE Confidence: 0.845709135

00:39:51.750 --> 00:39:55.134 how are we able to adapt and how is

NOTE Confidence: 0.845709135

00:39:55.134 --> 00:39:57.490 simulation a really powerful tool to

NOTE Confidence: 0.845709135

00:39:57.490 --> 00:39:59.470 adapting to these changing circumstances

NOTE Confidence: 0.845709135

00:39:59.530 --> 00:40:02.690 that can be very, very stressful.

NOTE Confidence: 0.845709135

00:40:02.690 --> 00:40:04.755 I think the mentor ship that I've

NOTE Confidence: 0.845709135

00:40:04.755 --> 00:40:07.130 received at YCMS is second to none.

NOTE Confidence: 0.845709135

00:40:07.130 --> 00:40:09.146 Ambrose has been working with me very,

NOTE Confidence: 0.845709135

00:40:09.150 --> 00:40:09.916 very closely.

NOTE Confidence: 0.845709135

00:40:09.916 --> 00:40:11.448 He has been amazing.

NOTE Confidence: 0.845709135

00:40:11.450 --> 00:40:12.354 He has taught me,

NOTE Confidence: 0.845709135

00:40:12.354 --> 00:40:12.806 you know,

NOTE Confidence: 0.845709135

00:40:12.810 --> 00:40:14.770 the I had absolutely no idea how

NOTE Confidence: 0.845709135

00:40:14.770 --> 00:40:16.669 to conduct this type of research.

NOTE Confidence: 0.845709135

00:40:16.670 --> 00:40:18.806 I've also involved in the qualitative
NOTE Confidence: 0.845709135

00:40:18.806 --> 00:40:20.230 research side of things.
NOTE Confidence: 0.845709135

00:40:20.230 --> 00:40:22.020 I didn't even know qualitative
NOTE Confidence: 0.845709135

00:40:22.020 --> 00:40:24.159 research existed before I came here
NOTE Confidence: 0.845709135

00:40:24.159 --> 00:40:26.133 and with the guidance I've had from
NOTE Confidence: 0.845709135

00:40:26.133 --> 00:40:28.227 him and Melissa and Doctor Evans.
NOTE Confidence: 0.845709135

00:40:28.230 --> 00:40:30.470 It's just been a really fantastic experience.
NOTE Confidence: 0.845709135

00:40:30.470 --> 00:40:32.765 I felt I feel like I've built my skills.
NOTE Confidence: 0.845709135

00:40:32.770 --> 00:40:35.114 Now I feel like I've had some unique
NOTE Confidence: 0.845709135

00:40:35.114 --> 00:40:37.613 insight into the stresses that our
NOTE Confidence: 0.845709135

00:40:37.613 --> 00:40:38.999 emergency physicians experience,
NOTE Confidence: 0.845709135

00:40:39.000 --> 00:40:40.896 and I think that's prepared me
NOTE Confidence: 0.845709135

00:40:40.896 --> 00:40:41.844 well for clerkships,
NOTE Confidence: 0.845709135

00:40:41.850 --> 00:40:44.799 and I'm just so excited to continue
NOTE Confidence: 0.845709135

00:40:44.799 --> 00:40:46.822 working with them and get to that
NOTE Confidence: 0.845709135

00:40:46.822 --> 00:40:49.142 point where I can take my fifth year of

NOTE Confidence: 0.845709135

00:40:49.142 --> 00:40:51.150 research and work even more closely with.

NOTE Confidence: 0.845709135

00:40:51.150 --> 00:40:51.858 Thanks so much.

NOTE Confidence: 0.89904404

00:40:54.350 --> 00:40:55.730 Thank you so much August.

NOTE Confidence: 0.89904404

00:40:55.730 --> 00:40:57.706 I promise I didn't pay him in advance.

NOTE Confidence: 0.89904404

00:40:57.710 --> 00:41:01.980 This so came directly from August Spring.

NOTE Confidence: 0.89904404

00:41:01.980 --> 00:41:03.750 And last but not least, Muriel,

NOTE Confidence: 0.89904404

00:41:03.750 --> 00:41:05.430 if you wouldn't mind talking a little bit

NOTE Confidence: 0.89904404

00:41:05.430 --> 00:41:06.898 about your experience working with us,

NOTE Confidence: 0.89904404

00:41:06.900 --> 00:41:09.231 Muriel is currently a fourth year student

NOTE Confidence: 0.89904404

00:41:09.231 --> 00:41:11.337 who just completed her thesis with us.

NOTE Confidence: 0.89904404

00:41:11.340 --> 00:41:13.194 Looking at some of our existing

NOTE Confidence: 0.89904404

00:41:13.194 --> 00:41:14.949 datasets at our central venous

NOTE Confidence: 0.89904404

00:41:14.949 --> 00:41:16.338 catheter training program.

NOTE Confidence: 0.89904404

00:41:16.340 --> 00:41:17.208 Take it away mural.

NOTE Confidence: 0.9165769333333333

00:41:18.370 --> 00:41:21.920 Hi everyone, happy to be here.

NOTE Confidence: 0.9165769333333333

00:41:21.920 --> 00:41:23.610 So as Doctor Wong mentioned,
NOTE Confidence: 0.9165769333333333

00:41:23.610 --> 00:41:24.978 I'm a fourth year medical student.
NOTE Confidence: 0.9165769333333333

00:41:24.980 --> 00:41:27.590 I am applying into emergency medicine
NOTE Confidence: 0.9165769333333333

00:41:27.590 --> 00:41:30.022 residency this year and I have to say that
NOTE Confidence: 0.9165769333333333

00:41:30.022 --> 00:41:32.099 I had not seen this presentation before.
NOTE Confidence: 0.9165769333333333

00:41:32.100 --> 00:41:33.885 I wrote my little thing about how
NOTE Confidence: 0.9165769333333333

00:41:33.885 --> 00:41:35.379 I became interested in simulation,
NOTE Confidence: 0.9165769333333333

00:41:35.380 --> 00:41:38.172 but the eye procession that I went through
NOTE Confidence: 0.9165769333333333

00:41:38.172 --> 00:41:41.418 in my first week at Yale Medical School.
NOTE Confidence: 0.9165769333333333

00:41:41.420 --> 00:41:42.740 I thought it was the coolest thing
NOTE Confidence: 0.9165769333333333

00:41:42.740 --> 00:41:46.228 ever and I just like from that moment.
NOTE Confidence: 0.9165769333333333

00:41:46.230 --> 00:41:47.785 Totally loved simulation and thought
NOTE Confidence: 0.9165769333333333

00:41:47.785 --> 00:41:50.078 it was such an amazing way to learn.
NOTE Confidence: 0.9165769333333333

00:41:50.080 --> 00:41:52.270 I found that I integrated.
NOTE Confidence: 0.9165769333333333

00:41:52.270 --> 00:41:54.545 Doing so well and really just gained
NOTE Confidence: 0.9165769333333333

00:41:54.545 --> 00:41:56.791 so much from my simulation session

NOTE Confidence: 0.9165769333333333

00:41:56.791 --> 00:41:59.446 so I was so excited about it.

NOTE Confidence: 0.9165769333333333

00:41:59.450 --> 00:42:01.970 And as I entered the second half of my

NOTE Confidence: 0.9165769333333333

00:42:01.970 --> 00:42:04.432 clerkship year I knew I wanted to pursue

NOTE Confidence: 0.9165769333333333

00:42:04.432 --> 00:42:06.689 emergency medicine as my clinical specialty,

NOTE Confidence: 0.9165769333333333

00:42:06.690 --> 00:42:09.314 so I was hoping to do my thesis

NOTE Confidence: 0.9165769333333333

00:42:09.314 --> 00:42:11.906 research in the area of simulation

NOTE Confidence: 0.9165769333333333

00:42:11.906 --> 00:42:14.170 and connecting medical education.

NOTE Confidence: 0.9165769333333333

00:42:14.170 --> 00:42:16.095 I got in contact with Doctor Wong,

NOTE Confidence: 0.9165769333333333

00:42:16.100 --> 00:42:18.404 who the research structure and I was very

NOTE Confidence: 0.9165769333333333

00:42:18.404 --> 00:42:20.448 shortly set up with meeting with both

NOTE Confidence: 0.9165769333333333

00:42:20.448 --> 00:42:22.520 Doctor Wong and Doctor Ray to discuss.

NOTE Confidence: 0.9165769333333333

00:42:22.520 --> 00:42:25.240 Potential projects the faculty were

NOTE Confidence: 0.9165769333333333

00:42:25.240 --> 00:42:26.889 so welcoming and thoughtful and

NOTE Confidence: 0.9165769333333333

00:42:26.889 --> 00:42:28.860 they asked me detailed questions

NOTE Confidence: 0.9165769333333333

00:42:28.860 --> 00:42:30.360 about what I was interested in,

NOTE Confidence: 0.9165769333333333

00:42:30.360 --> 00:42:31.760 what I needed to accomplish.
NOTE Confidence: 0.9165769333333333

00:42:31.760 --> 00:42:32.036 Because,
NOTE Confidence: 0.9165769333333333

00:42:32.036 --> 00:42:33.140 like Doctor Wang mentioned,
NOTE Confidence: 0.9165769333333333

00:42:33.140 --> 00:42:35.388 I did my thesis research so I had
NOTE Confidence: 0.9165769333333333

00:42:35.388 --> 00:42:37.217 certain deadlines that needed to be met.
NOTE Confidence: 0.9165769333333333

00:42:37.220 --> 00:42:38.976 Certain formalities Doctor Evans
NOTE Confidence: 0.9165769333333333

00:42:38.976 --> 00:42:41.610 and doctor Bonds came on board
NOTE Confidence: 0.9165769333333333

00:42:41.686 --> 00:42:43.636 and we decided that I would.
NOTE Confidence: 0.9165769333333333

00:42:43.640 --> 00:42:45.350 Together I was interested in
NOTE Confidence: 0.9165769333333333

00:42:45.350 --> 00:42:46.718 pursuing my thesis project,
NOTE Confidence: 0.9165769333333333

00:42:46.720 --> 00:42:49.030 centering on the central venous
NOTE Confidence: 0.9165769333333333

00:42:49.030 --> 00:42:50.878 catheter insertion training program,
NOTE Confidence: 0.9165769333333333

00:42:50.880 --> 00:42:52.518 which is a hospital wide training
NOTE Confidence: 0.9165769333333333

00:42:52.518 --> 00:42:53.610 program that the simulation.
NOTE Confidence: 0.9165769333333333

00:42:53.610 --> 00:42:56.400 Center runs for incoming residents.
NOTE Confidence: 0.9165769333333333

00:42:56.400 --> 00:42:57.880 And as Doctor Wong mentioned,

NOTE Confidence: 0.9165769333333333
00:42:57.880 --> 00:42:59.302 there was a lot of existing
NOTE Confidence: 0.9165769333333333
00:42:59.302 --> 00:43:00.780 data that had been previously
NOTE Confidence: 0.9165769333333333
00:43:00.780 --> 00:43:02.676 collected for educational purposes,
NOTE Confidence: 0.9165769333333333
00:43:02.680 --> 00:43:04.520 so it was great for my thesis project
NOTE Confidence: 0.9165769333333333
00:43:04.520 --> 00:43:06.500 because I didn't have a ton of time to
NOTE Confidence: 0.9165769333333333
00:43:06.500 --> 00:43:08.358 go through the data collection process.
NOTE Confidence: 0.9165769333333333
00:43:08.360 --> 00:43:11.112 But we wrote up an IRB to do
NOTE Confidence: 0.9165769333333333
00:43:11.112 --> 00:43:13.640 secondary data analysis of this data,
NOTE Confidence: 0.9165769333333333
00:43:13.640 --> 00:43:16.004 and we looked at the association
NOTE Confidence: 0.9165769333333333
00:43:16.004 --> 00:43:17.580 of trainee characteristics with
NOTE Confidence: 0.9165769333333333
00:43:17.643 --> 00:43:19.858 outcomes in the simulation training,
NOTE Confidence: 0.9165769333333333
00:43:19.860 --> 00:43:22.345 such as the number of like cannulation
NOTE Confidence: 0.9165769333333333
00:43:22.345 --> 00:43:24.845 attempts to insert the catheter and like
NOTE Confidence: 0.9165769333333333
00:43:24.845 --> 00:43:27.530 a global assessment rating of the trainees.
NOTE Confidence: 0.9165769333333333
00:43:27.530 --> 00:43:29.469 I'm happy to say that I have
NOTE Confidence: 0.9165769333333333

00:43:29.469 --> 00:43:30.627 successfully submitted my thesis
NOTE Confidence: 0.9165769333333333

00:43:30.627 --> 00:43:32.496 on this topic with Doctor Evans as
NOTE Confidence: 0.9165769333333333

00:43:32.496 --> 00:43:34.576 my faculty mentor and lots of help
NOTE Confidence: 0.9165769333333333

00:43:34.576 --> 00:43:36.593 throughout the process from Doctor Wong,
NOTE Confidence: 0.9165769333333333

00:43:36.593 --> 00:43:39.208 Dr Bonds and Doctor Ray.
NOTE Confidence: 0.9165769333333333

00:43:39.210 --> 00:43:41.722 I have to say that the access to
NOTE Confidence: 0.9165769333333333

00:43:41.722 --> 00:43:43.296 faculty mentorship guidance throughout
NOTE Confidence: 0.9165769333333333

00:43:43.296 --> 00:43:45.486 this process has been unparalleled
NOTE Confidence: 0.9165769333333333

00:43:45.486 --> 00:43:48.050 to anything else in my medical
NOTE Confidence: 0.9165769333333333

00:43:48.050 --> 00:43:48.840 school experience.
NOTE Confidence: 0.9165769333333333

00:43:48.840 --> 00:43:51.376 And we're also now in the process of
NOTE Confidence: 0.9165769333333333

00:43:51.376 --> 00:43:53.903 writing some of this work up for to
NOTE Confidence: 0.9165769333333333

00:43:53.903 --> 00:43:56.030 submit for peer reviewed publications.
NOTE Confidence: 0.9165769333333333

00:43:56.030 --> 00:43:57.970 So I've had a fantastic.
NOTE Confidence: 0.9165769333333333

00:43:57.970 --> 00:43:58.786 Experience with the Simcenter
NOTE Confidence: 0.9165769333333333

00:43:58.786 --> 00:44:00.360 and I'm happy to be here tonight.

NOTE Confidence: 0.911066568

00:44:02.490 --> 00:44:03.750 Thank you so much Maria.

NOTE Confidence: 0.911066568

00:44:03.750 --> 00:44:05.787 I have to say we really appreciate

NOTE Confidence: 0.911066568

00:44:05.787 --> 00:44:07.228 the the strong recommendations

NOTE Confidence: 0.911066568

00:44:07.228 --> 00:44:09.228 from our student scholars,

NOTE Confidence: 0.911066568

00:44:09.230 --> 00:44:10.841 but we also feel like a lot of our

NOTE Confidence: 0.911066568

00:44:10.841 --> 00:44:12.207 research could not have happened without

NOTE Confidence: 0.911066568

00:44:12.207 --> 00:44:13.810 all of your support and hard work.

NOTE Confidence: 0.911066568

00:44:13.810 --> 00:44:15.329 So just really a big round of

NOTE Confidence: 0.911066568

00:44:15.329 --> 00:44:16.699 applause for all your students,

NOTE Confidence: 0.911066568

00:44:16.700 --> 00:44:18.360 scholars and your accomplishments.

NOTE Confidence: 0.954241942

00:44:20.960 --> 00:44:23.060 OK, thank you so much.

NOTE Confidence: 0.954241942

00:44:23.060 --> 00:44:25.316 So we want to come up now discuss

NOTE Confidence: 0.954241942

00:44:25.316 --> 00:44:27.910 our final aspect of the mission of

NOTE Confidence: 0.954241942

00:44:27.910 --> 00:44:29.875 Yale Center for Medical Simulation,

NOTE Confidence: 0.954241942

00:44:29.880 --> 00:44:32.911 which is outreach. And we are very

NOTE Confidence: 0.954241942

00:44:32.911 --> 00:44:34.980 committed to community outreach.
NOTE Confidence: 0.954241942

00:44:34.980 --> 00:44:37.116 Doctor Jay Bonds, who is the
NOTE Confidence: 0.954241942

00:44:37.116 --> 00:44:38.540 director of procedural simulation,
NOTE Confidence: 0.954241942

00:44:38.540 --> 00:44:40.280 runs the Yale Simulation Academy
NOTE Confidence: 0.954241942

00:44:40.280 --> 00:44:42.620 for New Haven High School students.
NOTE Confidence: 0.954241942

00:44:42.620 --> 00:44:44.700 So doctor bonds. She.
NOTE Confidence: 0.739028306

00:44:45.730 --> 00:44:47.354 Thank you Doctor Evans,
NOTE Confidence: 0.739028306

00:44:47.354 --> 00:44:50.248 so thank you all for being here and it's
NOTE Confidence: 0.739028306

00:44:50.248 --> 00:44:52.895 gonna be hard to top the the students.
NOTE Confidence: 0.739028306

00:44:52.900 --> 00:44:55.539 The enthusiasm that was that was terrific,
NOTE Confidence: 0.739028306

00:44:55.540 --> 00:44:57.727 but I would like to take a few more
NOTE Confidence: 0.739028306

00:44:57.727 --> 00:44:59.907 minutes of your time before we conclude
NOTE Confidence: 0.739028306

00:44:59.907 --> 00:45:01.819 and have some questions to discuss
NOTE Confidence: 0.739028306

00:45:01.819 --> 00:45:03.643 a little bit about our outreach.
NOTE Confidence: 0.89732108

00:45:06.140 --> 00:45:10.396 So we run a very robust outreach program
NOTE Confidence: 0.89732108

00:45:10.396 --> 00:45:13.899 for New Haven High School students.

NOTE Confidence: 0.89732108

00:45:13.900 --> 00:45:14.938 Doctor Richard Doesburg,

NOTE Confidence: 0.89732108

00:45:14.938 --> 00:45:17.700 who some of you probably know fairly well,

NOTE Confidence: 0.89732108

00:45:17.700 --> 00:45:20.172 was the person who initially recognized

NOTE Confidence: 0.89732108

00:45:20.172 --> 00:45:23.339 the potential of the new simulation center

NOTE Confidence: 0.89732108

00:45:23.340 --> 00:45:26.616 as a vehicle for community outreach,

NOTE Confidence: 0.89732108

00:45:26.620 --> 00:45:29.006 and he initially conceptualized it as

NOTE Confidence: 0.89732108

00:45:29.006 --> 00:45:32.330 as a mentor ship program and partnered

NOTE Confidence: 0.89732108

00:45:32.330 --> 00:45:35.060 with a former Yale College grad,

NOTE Confidence: 0.89732108

00:45:35.060 --> 00:45:37.886 Terrance Mctague, who is a local

NOTE Confidence: 0.89732108

00:45:37.886 --> 00:45:40.829 science teacher at career high school.

NOTE Confidence: 0.89732108

00:45:40.830 --> 00:45:43.998 And then he reached out to me as well.

NOTE Confidence: 0.89732108

00:45:44.000 --> 00:45:46.334 Our curriculum development and to try

NOTE Confidence: 0.89732108

00:45:46.334 --> 00:45:50.004 to put this plan in place and so we all

NOTE Confidence: 0.89732108

00:45:50.004 --> 00:45:52.636 work together and brought our first

NOTE Confidence: 0.89732108

00:45:52.636 --> 00:45:55.940 class in now about seven years ago.

NOTE Confidence: 0.89732108

00:45:55.940 --> 00:45:58.472 The population right now is career
NOTE Confidence: 0.89732108

00:45:58.472 --> 00:45:59.316 high school,
NOTE Confidence: 0.89732108

00:45:59.320 --> 00:46:01.625 which is located within walking
NOTE Confidence: 0.89732108

00:46:01.625 --> 00:46:03.930 distance of the simulation center
NOTE Confidence: 0.89732108

00:46:04.004 --> 00:46:05.944 and the hospital career high school.
NOTE Confidence: 0.89732108

00:46:05.944 --> 00:46:07.820 For those of you who don't know,
NOTE Confidence: 0.89732108

00:46:07.820 --> 00:46:13.020 is the population 91% minority?
NOTE Confidence: 0.89732108

00:46:13.020 --> 00:46:16.296 70% of the population at career qualify
NOTE Confidence: 0.89732108

00:46:16.296 --> 00:46:19.444 for free lunch and the percentage of
NOTE Confidence: 0.89732108

00:46:19.444 --> 00:46:23.010 the student body that goes on to either
NOTE Confidence: 0.89732108

00:46:23.010 --> 00:46:26.780 two or four year colleges is right above 50.
NOTE Confidence: 0.89732108

00:46:26.780 --> 00:46:30.980 Percent and so we really were hoping
NOTE Confidence: 0.89732108

00:46:30.980 --> 00:46:33.116 to select within this population a
NOTE Confidence: 0.89732108

00:46:33.116 --> 00:46:35.290 particular sort of sub population,
NOTE Confidence: 0.89732108

00:46:35.290 --> 00:46:38.856 and that was with the help of Mr Mctee,
NOTE Confidence: 0.89732108

00:46:38.856 --> 00:46:40.446 as he is affectionately known

NOTE Confidence: 0.89732108

00:46:40.446 --> 00:46:42.460 by his high school students,

NOTE Confidence: 0.89732108

00:46:42.460 --> 00:46:44.820 he was able to help us identify some

NOTE Confidence: 0.89732108

00:46:44.820 --> 00:46:48.268 of the students, not the top tier.

NOTE Confidence: 0.89732108

00:46:48.268 --> 00:46:50.436 Students at the school,

NOTE Confidence: 0.89732108

00:46:50.440 --> 00:46:52.890 because those students actually do

NOTE Confidence: 0.89732108

00:46:52.890 --> 00:46:55.230 have several advantages that are

NOTE Confidence: 0.89732108

00:46:55.230 --> 00:46:56.970 offered through other programs.

NOTE Confidence: 0.89732108

00:46:56.970 --> 00:46:58.626 But we really sort of seized on that.

NOTE Confidence: 0.89732108

00:46:58.630 --> 00:47:01.174 That middle tier student and really

NOTE Confidence: 0.89732108

00:47:01.174 --> 00:47:04.110 wanted to give them an opportunity.

NOTE Confidence: 0.89732108

00:47:04.110 --> 00:47:05.649 For this program,

NOTE Confidence: 0.89732108

00:47:05.649 --> 00:47:07.188 and so that's.

NOTE Confidence: 0.89732108

00:47:07.190 --> 00:47:09.548 Of the population that we've grabbed.

NOTE Confidence: 0.89732108

00:47:09.550 --> 00:47:10.320 Next slide.

NOTE Confidence: 0.94224881

00:47:14.400 --> 00:47:18.190 So the curriculum spans the academic year and

NOTE Confidence: 0.94224881

00:47:18.190 --> 00:47:22.228 takes place in the afternoons once per week,
NOTE Confidence: 0.94224881

00:47:22.228 --> 00:47:24.048 and the sessions last approximately
NOTE Confidence: 0.94224881

00:47:24.048 --> 00:47:26.128 a little less than two hours.
NOTE Confidence: 0.94224881

00:47:26.130 --> 00:47:29.140 About an hour and 45 minutes each session,
NOTE Confidence: 0.94224881

00:47:29.140 --> 00:47:31.080 we teach a different advanced
NOTE Confidence: 0.94224881

00:47:31.080 --> 00:47:33.300 medical procedure, such as direct
NOTE Confidence: 0.94224881

00:47:33.300 --> 00:47:34.823 laryngoscopy video, laryngoscopy,
NOTE Confidence: 0.94224881

00:47:34.823 --> 00:47:37.638 fiber optic and division suturing,
NOTE Confidence: 0.94224881

00:47:37.640 --> 00:47:39.840 central venous catheter insertion,
NOTE Confidence: 0.94224881

00:47:39.840 --> 00:47:40.940 lumbar punctures,
NOTE Confidence: 0.94224881

00:47:40.940 --> 00:47:43.390 I mean very advanced things.
NOTE Confidence: 0.94224881

00:47:43.390 --> 00:47:44.942 You know, things that.
NOTE Confidence: 0.94224881

00:47:44.942 --> 00:47:47.853 That many of these high school students
NOTE Confidence: 0.94224881

00:47:47.853 --> 00:47:50.358 will likely never perform again.
NOTE Confidence: 0.94224881

00:47:50.360 --> 00:47:53.354 But each topic is tied in
NOTE Confidence: 0.94224881

00:47:53.354 --> 00:47:55.350 with several STEM concepts.

NOTE Confidence: 0.94224881

00:47:55.350 --> 00:47:56.379 So for instance,

NOTE Confidence: 0.94224881

00:47:56.379 --> 00:47:58.094 when we're talking about intubating,

NOTE Confidence: 0.94224881

00:47:58.100 --> 00:48:01.088 this helps us explore acid base.

NOTE Confidence: 0.909171107142857

00:48:03.290 --> 00:48:09.100 We can talk about pressure gradients etc.

NOTE Confidence: 0.909171107142857

00:48:09.100 --> 00:48:11.920 And so all of these.

NOTE Confidence: 0.909171107142857

00:48:11.920 --> 00:48:14.260 Concepts are rooted in something else,

NOTE Confidence: 0.909171107142857

00:48:14.260 --> 00:48:18.155 and this I think, makes these these

NOTE Confidence: 0.909171107142857

00:48:18.155 --> 00:48:21.328 principles matter to the students and

NOTE Confidence: 0.909171107142857

00:48:21.328 --> 00:48:23.414 all of a sudden there's some relevance

NOTE Confidence: 0.909171107142857

00:48:23.414 --> 00:48:25.689 to some of these abstract concepts.

NOTE Confidence: 0.909171107142857

00:48:25.690 --> 00:48:26.638 Next slide, please.

NOTE Confidence: 0.846374285

00:48:31.110 --> 00:48:34.168 The Faculty act as mentors for the students,

NOTE Confidence: 0.846374285

00:48:34.170 --> 00:48:36.960 and that's how we initially conceived

NOTE Confidence: 0.846374285

00:48:36.960 --> 00:48:39.130 the program and started it.

NOTE Confidence: 0.846374285

00:48:39.130 --> 00:48:40.858 A lot of these students haven't

NOTE Confidence: 0.846374285

00:48:40.858 --> 00:48:42.470 thought about applying to college,
NOTE Confidence: 0.846374285

00:48:42.470 --> 00:48:44.954 some that are thinking about applying
NOTE Confidence: 0.846374285

00:48:44.954 --> 00:48:47.808 to college don't have any role models,
NOTE Confidence: 0.846374285

00:48:47.810 --> 00:48:50.715 direct role models who have gone through
NOTE Confidence: 0.846374285

00:48:50.715 --> 00:48:53.440 that experience and don't necessarily get a
NOTE Confidence: 0.846374285

00:48:53.440 --> 00:48:56.929 lot of help from their guidance counselors,
NOTE Confidence: 0.846374285

00:48:56.930 --> 00:48:58.938 so we've helped them with those types of.
NOTE Confidence: 0.846374285

00:48:58.940 --> 00:49:01.632 Things with career advice
NOTE Confidence: 0.846374285

00:49:01.632 --> 00:49:02.978 and professionalism.
NOTE Confidence: 0.846374285

00:49:02.980 --> 00:49:05.132 Overtime we've incorporated peer
NOTE Confidence: 0.846374285

00:49:05.132 --> 00:49:07.516 mentorship into this program,
NOTE Confidence: 0.846374285

00:49:07.520 --> 00:49:09.398 and that's actually now, I think,
NOTE Confidence: 0.846374285

00:49:09.400 --> 00:49:12.088 become a real strength of our program.
NOTE Confidence: 0.846374285

00:49:12.090 --> 00:49:17.650 Or what we have done is graduates.
NOTE Confidence: 0.846374285

00:49:17.650 --> 00:49:20.210 From a prior year or welcome to come
NOTE Confidence: 0.846374285

00:49:20.210 --> 00:49:23.315 back as mentors and then essentially

NOTE Confidence: 0.846374285

00:49:23.315 --> 00:49:26.861 join us as faculty to help teach

NOTE Confidence: 0.846374285

00:49:26.861 --> 00:49:29.823 the new crop students and so every

NOTE Confidence: 0.846374285

00:49:29.823 --> 00:49:32.154 year we hold a graduation and at

NOTE Confidence: 0.846374285

00:49:32.154 --> 00:49:34.268 the end of that graduation,

NOTE Confidence: 0.846374285

00:49:34.270 --> 00:49:35.998 offer to any of the students

NOTE Confidence: 0.846374285

00:49:35.998 --> 00:49:36.862 who are interested.

NOTE Confidence: 0.846374285

00:49:36.870 --> 00:49:39.278 If they would like to come back as

NOTE Confidence: 0.846374285

00:49:39.278 --> 00:49:41.495 mentors and I and I get lots of interest.

NOTE Confidence: 0.846374285

00:49:41.495 --> 00:49:43.730 And unfortunately I can only take so many,

NOTE Confidence: 0.846374285

00:49:43.730 --> 00:49:45.851 but I do think that the pure

NOTE Confidence: 0.846374285

00:49:45.851 --> 00:49:47.569 mentorship aspect of the program.

NOTE Confidence: 0.846374285

00:49:47.570 --> 00:49:53.362 Has really really improved it and and

NOTE Confidence: 0.846374285

00:49:53.362 --> 00:49:56.446 has improved the enthusiasm level as well

NOTE Confidence: 0.846374285

00:49:56.446 --> 00:49:59.089 for for those students who undergo it.

NOTE Confidence: 0.846374285

00:49:59.090 --> 00:49:59.728 And truthfully,

NOTE Confidence: 0.846374285

00:49:59.728 --> 00:50:02.655 I want to say that I think mentorship is
NOTE Confidence: 0.846374285

00:50:02.655 --> 00:50:05.167 really one of the backbones of this program.
NOTE Confidence: 0.846374285

00:50:05.170 --> 00:50:05.630 Next slide,
NOTE Confidence: 0.846374285

00:50:05.630 --> 00:50:05.860 please.
NOTE Confidence: 0.5571374

00:50:08.790 --> 00:50:10.512 Beyond just the teaching
NOTE Confidence: 0.5571374

00:50:10.512 --> 00:50:11.768 of these STEM concepts,
NOTE Confidence: 0.5571374

00:50:11.770 --> 00:50:14.110 the interesting procedures that we perform,
NOTE Confidence: 0.5571374

00:50:14.110 --> 00:50:16.550 and the mentorship that goes along with it,
NOTE Confidence: 0.5571374

00:50:16.550 --> 00:50:18.680 these students are really exposed to
NOTE Confidence: 0.5571374

00:50:18.680 --> 00:50:20.810 lots of diverse careers within the
NOTE Confidence: 0.5571374

00:50:20.810 --> 00:50:23.064 Health Sciences and this is yet again,
NOTE Confidence: 0.5571374

00:50:23.070 --> 00:50:25.366 another strength I think of our program.
NOTE Confidence: 0.5571374

00:50:25.370 --> 00:50:27.210 Our goal here is not to try to
NOTE Confidence: 0.5571374

00:50:27.210 --> 00:50:28.687 convince these students that they
NOTE Confidence: 0.5571374

00:50:28.687 --> 00:50:30.287 should apply to medical school.
NOTE Confidence: 0.5571374

00:50:30.290 --> 00:50:32.570 Some do, in fact, want to do that.

NOTE Confidence: 0.89575046

00:50:33.260 --> 00:50:34.548 But along the way

NOTE Confidence: 0.921413538235294

00:50:34.600 --> 00:50:37.252 they learn about so many other

NOTE Confidence: 0.921413538235294

00:50:37.252 --> 00:50:39.535 career paths that have really

NOTE Confidence: 0.921413538235294

00:50:39.535 --> 00:50:42.109 up until this point not been.

NOTE Confidence: 0.921413538235294

00:50:42.110 --> 00:50:45.692 Open to them. And so, for instance,

NOTE Confidence: 0.921413538235294

00:50:45.692 --> 00:50:48.040 when we we do an ultrasound curriculum

NOTE Confidence: 0.921413538235294

00:50:48.040 --> 00:50:50.840 where they learn how to use ultrasound,

NOTE Confidence: 0.921413538235294

00:50:50.840 --> 00:50:55.220 identify organs, etc.

NOTE Confidence: 0.921413538235294

00:50:55.220 --> 00:50:58.548 They learn about what it takes to apply

NOTE Confidence: 0.921413538235294

00:50:58.548 --> 00:51:01.600 to become an ultrasound technician.

NOTE Confidence: 0.921413538235294

00:51:01.600 --> 00:51:04.071 That this is a career path that

NOTE Confidence: 0.921413538235294

00:51:04.071 --> 00:51:06.370 doesn't need a college degree.

NOTE Confidence: 0.921413538235294

00:51:06.370 --> 00:51:08.370 They understand they learn

NOTE Confidence: 0.921413538235294

00:51:08.370 --> 00:51:09.870 about prehospital medicine,

NOTE Confidence: 0.921413538235294

00:51:09.870 --> 00:51:14.126 whether it's EMT or becoming a paramedic,

NOTE Confidence: 0.921413538235294

00:51:14.130 --> 00:51:14.804 respiratory therapy.
NOTE Confidence: 0.921413538235294

00:51:14.804 --> 00:51:17.500 When we go through a lot of the
NOTE Confidence: 0.921413538235294

00:51:17.566 --> 00:51:19.678 procedures that have to do with
NOTE Confidence: 0.921413538235294

00:51:19.678 --> 00:51:21.645 airway and and so the students
NOTE Confidence: 0.921413538235294

00:51:21.645 --> 00:51:23.970 really learn a lot and actually.
NOTE Confidence: 0.921413538235294

00:51:23.970 --> 00:51:25.386 And in this photo,
NOTE Confidence: 0.921413538235294

00:51:25.386 --> 00:51:28.854 you can see this is actually one of the
NOTE Confidence: 0.921413538235294

00:51:28.854 --> 00:51:31.808 one of the students former graduated program.
NOTE Confidence: 0.921413538235294

00:51:31.810 --> 00:51:35.070 Who is actually managing the IT while
NOTE Confidence: 0.921413538235294

00:51:35.070 --> 00:51:37.410 another group of students is managing
NOTE Confidence: 0.921413538235294

00:51:37.410 --> 00:51:40.006 a cardiac arrest in the other room?
NOTE Confidence: 0.921413538235294

00:51:40.010 --> 00:51:40.762 Of course,
NOTE Confidence: 0.921413538235294

00:51:40.762 --> 00:51:43.018 prior to managing this cardiac arrest,
NOTE Confidence: 0.921413538235294

00:51:43.020 --> 00:51:45.312 they did learn CPR and intubation
NOTE Confidence: 0.921413538235294

00:51:45.312 --> 00:51:47.659 skills and and then we threw
NOTE Confidence: 0.921413538235294

00:51:47.659 --> 00:51:49.879 them in with the cardiac arrest.

NOTE Confidence: 0.921413538235294

00:51:49.880 --> 00:51:50.512 Next slide,

NOTE Confidence: 0.921413538235294

00:51:50.512 --> 00:51:50.828 please.

NOTE Confidence: 0.95122397

00:51:58.160 --> 00:52:00.560 So over the years, we've expanded,

NOTE Confidence: 0.95122397

00:52:00.560 --> 00:52:03.489 you know, in our first year. Uhm?

NOTE Confidence: 0.95122397

00:52:03.489 --> 00:52:07.170 I think we had a total of 10 students,

NOTE Confidence: 0.95122397

00:52:07.170 --> 00:52:09.907 but word of mouth has really helped

NOTE Confidence: 0.95122397

00:52:09.907 --> 00:52:11.886 our program and now unfortunately

NOTE Confidence: 0.95122397

00:52:11.886 --> 00:52:15.215 every year I run it I have to turn

NOTE Confidence: 0.95122397

00:52:15.215 --> 00:52:17.763 away lots of students we fill up.

NOTE Confidence: 0.95122397

00:52:17.770 --> 00:52:19.874 I take a total of 25 students a

NOTE Confidence: 0.95122397

00:52:19.874 --> 00:52:22.118 year and I could easily just from

NOTE Confidence: 0.95122397

00:52:22.118 --> 00:52:24.338 career high school and we take 10th

NOTE Confidence: 0.95122397

00:52:24.338 --> 00:52:26.326 graders just from that alone I could.

NOTE Confidence: 0.95122397

00:52:26.330 --> 00:52:28.830 I could fill up, you know, three times

NOTE Confidence: 0.95122397

00:52:28.830 --> 00:52:32.130 what I do now so we have expanded,

NOTE Confidence: 0.95122397

00:52:32.130 --> 00:52:34.070 and that's pretty exciting.
NOTE Confidence: 0.95122397

00:52:34.070 --> 00:52:36.268 We have begun to engage younger students.
NOTE Confidence: 0.95122397

00:52:36.270 --> 00:52:38.025 I may have mentioned that
NOTE Confidence: 0.95122397

00:52:38.025 --> 00:52:39.429 we take 10th graders.
NOTE Confidence: 0.95122397

00:52:39.430 --> 00:52:41.630 We had taken Juniors initially,
NOTE Confidence: 0.95122397

00:52:41.630 --> 00:52:44.578 and then I realized after doing that for
NOTE Confidence: 0.95122397

00:52:44.578 --> 00:52:47.992 a year or so that it was better to take
NOTE Confidence: 0.95122397

00:52:47.992 --> 00:52:50.256 the younger students and then take those
NOTE Confidence: 0.95122397

00:52:50.256 --> 00:52:52.278 graduates and bring back as faculty.
NOTE Confidence: 0.95122397

00:52:52.280 --> 00:52:54.410 And again we've increased peer mentorship.
NOTE Confidence: 0.95122397

00:52:54.410 --> 00:52:56.660 Next slide, please.
NOTE Confidence: 0.95122397

00:52:56.660 --> 00:52:58.960 We have had some challenges,
NOTE Confidence: 0.95122397

00:52:58.960 --> 00:53:00.900 COVID-19 being foremost among them.
NOTE Confidence: 0.95122397

00:53:00.900 --> 00:53:02.885 This program is a really
NOTE Confidence: 0.95122397

00:53:02.885 --> 00:53:04.870 truly a hands on program.
NOTE Confidence: 0.95122397

00:53:04.870 --> 00:53:06.380 It's what makes it exciting.

NOTE Confidence: 0.95122397

00:53:06.380 --> 00:53:07.700 It's how the students learn.

NOTE Confidence: 0.95122397

00:53:07.700 --> 00:53:09.920 It's how they apply these concepts.

NOTE Confidence: 0.95122397

00:53:09.920 --> 00:53:13.035 So we have been suspended during COVID,

NOTE Confidence: 0.95122397

00:53:13.040 --> 00:53:15.880 unfortunately.

NOTE Confidence: 0.95122397

00:53:15.880 --> 00:53:18.757 Another one of our challenges is funding.

NOTE Confidence: 0.95122397

00:53:18.760 --> 00:53:20.765 Obviously we don't get any

NOTE Confidence: 0.95122397

00:53:20.765 --> 00:53:22.369 direct funding for this,

NOTE Confidence: 0.95122397

00:53:22.370 --> 00:53:24.477 and all of the task trainers we

NOTE Confidence: 0.95122397

00:53:24.477 --> 00:53:26.679 use get beat up fairly quickly.

NOTE Confidence: 0.95122397

00:53:26.680 --> 00:53:29.420 I need replacement parts.

NOTE Confidence: 0.95122397

00:53:29.420 --> 00:53:33.060 And so that is another ongoing challenge.

NOTE Confidence: 0.95122397

00:53:33.060 --> 00:53:33.624 And again,

NOTE Confidence: 0.95122397

00:53:33.624 --> 00:53:35.316 this is a volunteer program of

NOTE Confidence: 0.95122397

00:53:35.316 --> 00:53:37.220 faculty are not paid for their time.

NOTE Confidence: 0.95122397

00:53:37.220 --> 00:53:40.279 We all have academic and clinical duties,

NOTE Confidence: 0.95122397

00:53:40.280 --> 00:53:43.520 and this is extra to that.

NOTE Confidence: 0.95122397

00:53:43.520 --> 00:53:44.492 Again, a challenge.

NOTE Confidence: 0.95122397

00:53:44.492 --> 00:53:47.734 And so we try to find a like minded

NOTE Confidence: 0.95122397

00:53:47.734 --> 00:53:50.404 faculty members who who see the

NOTE Confidence: 0.95122397

00:53:50.404 --> 00:53:52.360 importance next slide please.

NOTE Confidence: 0.862236901875

00:53:55.190 --> 00:53:57.548 And I'd just like to end with the future

NOTE Confidence: 0.862236901875

00:53:57.548 --> 00:53:59.248 directions of where we hope this goes.

NOTE Confidence: 0.862236901875

00:53:59.250 --> 00:54:01.968 We've actually been lucky enough this

NOTE Confidence: 0.862236901875

00:54:01.968 --> 00:54:05.674 year to hire a second simulation faculty

NOTE Confidence: 0.862236901875

00:54:05.674 --> 00:54:08.884 simulation fellow and that fellow,

NOTE Confidence: 0.862236901875

00:54:08.890 --> 00:54:10.186 a native Spanish speaker,

NOTE Confidence: 0.862236901875

00:54:10.186 --> 00:54:12.130 is planning on focusing on outreach,

NOTE Confidence: 0.862236901875

00:54:12.130 --> 00:54:14.026 which I'm I'm very excited about,

NOTE Confidence: 0.862236901875

00:54:14.030 --> 00:54:16.938 having her join us.

NOTE Confidence: 0.862236901875

00:54:16.940 --> 00:54:19.490 We'd also like to have Yale

NOTE Confidence: 0.862236901875

00:54:19.490 --> 00:54:21.690 medical students join us as

NOTE Confidence: 0.862236901875

00:54:21.690 --> 00:54:23.228 mentors in a longitudinal setting.

NOTE Confidence: 0.862236901875

00:54:23.228 --> 00:54:25.888 I would love for them to be able to be

NOTE Confidence: 0.862236901875

00:54:25.888 --> 00:54:27.848 present once a week for the for the

NOTE Confidence: 0.862236901875

00:54:27.848 --> 00:54:29.745 duration of the school year so they

NOTE Confidence: 0.862236901875

00:54:29.745 --> 00:54:31.568 could actually build a relationship

NOTE Confidence: 0.862236901875

00:54:31.568 --> 00:54:33.503 with these high school students.

NOTE Confidence: 0.862236901875

00:54:33.510 --> 00:54:33.859 Additionally,

NOTE Confidence: 0.862236901875

00:54:33.859 --> 00:54:35.255 we have already partnered

NOTE Confidence: 0.862236901875

00:54:35.255 --> 00:54:37.000 with Yale Pathways to Science,

NOTE Confidence: 0.862236901875

00:54:37.000 --> 00:54:39.580 which has increased our exposure

NOTE Confidence: 0.862236901875

00:54:39.580 --> 00:54:42.024 and we think will potentially

NOTE Confidence: 0.862236901875

00:54:42.024 --> 00:54:44.784 allow us to expand this program

NOTE Confidence: 0.862236901875

00:54:44.784 --> 00:54:47.286 to other New Haven high schools.

NOTE Confidence: 0.862236901875

00:54:47.290 --> 00:54:49.200 I appreciate your time tonight.

NOTE Confidence: 0.862236901875

00:54:49.200 --> 00:54:49.660 Thank you.

NOTE Confidence: 0.831566568

00:54:51.610 --> 00:54:54.760 OK, so I feel that.
NOTE Confidence: 0.831566568

00:54:54.760 --> 00:54:59.350 This was a 50 minute opportunity for us too.
NOTE Confidence: 0.831566568

00:54:59.350 --> 00:55:01.186 Present to you the different areas
NOTE Confidence: 0.831566568

00:55:01.186 --> 00:55:03.357 and the missions of Yale Center for
NOTE Confidence: 0.831566568

00:55:03.357 --> 00:55:05.127 Medical simulation to get a sense
NOTE Confidence: 0.831566568

00:55:05.127 --> 00:55:07.069 of our commitment to education,
NOTE Confidence: 0.831566568

00:55:07.070 --> 00:55:08.058 to research and outreach.
NOTE Confidence: 0.831566568

00:55:08.058 --> 00:55:09.540 And now we'd like to take
NOTE Confidence: 0.831566568

00:55:09.596 --> 00:55:11.051 the opportunity to answer any
NOTE Confidence: 0.831566568

00:55:11.051 --> 00:55:12.560 questions that you might have.
NOTE Confidence: 0.79419243

00:55:14.800 --> 00:55:17.325 And also I'd like to remind
NOTE Confidence: 0.79419243

00:55:17.325 --> 00:55:19.410 everybody that please put your
NOTE Confidence: 0.942630621428571

00:55:19.495 --> 00:55:21.974 questions in the chat for Doctor
NOTE Confidence: 0.942630621428571

00:55:21.974 --> 00:55:24.963 Evans or any of the faculty or
NOTE Confidence: 0.942630621428571

00:55:24.963 --> 00:55:27.618 students that have spoken tonight.
NOTE Confidence: 0.942630621428571

00:55:27.620 --> 00:55:29.786 We did have some questions that

NOTE Confidence: 0.942630621428571
00:55:29.786 --> 00:55:32.386 came in prior to the to the evening,
NOTE Confidence: 0.942630621428571
00:55:32.386 --> 00:55:34.468 the evening, and so maybe we could ask
NOTE Confidence: 0.942630621428571
00:55:34.468 --> 00:55:36.763 you to answer some of those while we're
NOTE Confidence: 0.942630621428571
00:55:36.763 --> 00:55:39.288 waiting for questions in the chat.
NOTE Confidence: 0.942630621428571
00:55:39.288 --> 00:55:40.719 So Doctor Evans,
NOTE Confidence: 0.942630621428571
00:55:40.720 --> 00:55:43.576 one of the questions that came through,
NOTE Confidence: 0.942630621428571
00:55:43.580 --> 00:55:45.857 which is similar to some of the points that.
NOTE Confidence: 0.942630621428571
00:55:45.860 --> 00:55:48.860 Doctor Barnes talked about is how are these
NOTE Confidence: 0.942630621428571
00:55:48.860 --> 00:55:50.620 activities and initiatives supported?
NOTE Confidence: 0.901513706
00:55:52.750 --> 00:55:53.920 Well, as you can imagine,
NOTE Confidence: 0.901513706
00:55:53.920 --> 00:55:57.572 just from what you saw the the equipment and
NOTE Confidence: 0.901513706
00:55:57.572 --> 00:56:00.400 technology that we use are very expensive.
NOTE Confidence: 0.901513706
00:56:00.400 --> 00:56:02.830 The simulators that I showed you
NOTE Confidence: 0.901513706
00:56:02.830 --> 00:56:05.180 in the beginning during the tour,
NOTE Confidence: 0.901513706
00:56:05.180 --> 00:56:07.304 each one of those simulators costs
NOTE Confidence: 0.901513706

00:56:07.304 --> 00:56:09.718 about \$100,000 and so we need to pray.
NOTE Confidence: 0.901513706

00:56:09.720 --> 00:56:12.416 We place them probably once every five years.
NOTE Confidence: 0.901513706

00:56:12.420 --> 00:56:14.150 Our financial support is
NOTE Confidence: 0.901513706

00:56:14.150 --> 00:56:15.850 really through four sources.
NOTE Confidence: 0.901513706

00:56:15.850 --> 00:56:18.510 We receive generous support from the central
NOTE Confidence: 0.901513706

00:56:18.510 --> 00:56:20.579 administration of the medical school.
NOTE Confidence: 0.901513706

00:56:20.580 --> 00:56:22.550 We are also supported by the
NOTE Confidence: 0.901513706

00:56:22.550 --> 00:56:24.250 Department of Emergency Medicine.
NOTE Confidence: 0.901513706

00:56:24.250 --> 00:56:26.784 We have, as you saw,
NOTE Confidence: 0.901513706

00:56:26.784 --> 00:56:28.662 we have research funding.
NOTE Confidence: 0.901513706

00:56:28.662 --> 00:56:30.978 We have some NIH funding to
NOTE Confidence: 0.901513706

00:56:30.978 --> 00:56:32.619 support some of our work,
NOTE Confidence: 0.901513706

00:56:32.620 --> 00:56:36.295 and then we also are dependent on
NOTE Confidence: 0.901513706

00:56:36.295 --> 00:56:39.800 gifts from friends as well as alumni,
NOTE Confidence: 0.901513706

00:56:39.800 --> 00:56:41.828 and that has also been an
NOTE Confidence: 0.901513706

00:56:41.828 --> 00:56:43.710 important part of support for us.

NOTE Confidence: 0.9309332

00:56:45.900 --> 00:56:48.500 Thank you, another question

NOTE Confidence: 0.9309332

00:56:48.500 --> 00:56:50.840 that came in was new residents,

NOTE Confidence: 0.9309332

00:56:50.840 --> 00:56:52.935 fellows new attendings and students

NOTE Confidence: 0.9309332

00:56:52.935 --> 00:56:55.030 feel that the simulation training

NOTE Confidence: 0.9309332

00:56:55.097 --> 00:56:56.993 that you provide for them prepares

NOTE Confidence: 0.9309332

00:56:56.993 --> 00:56:59.194 them well for the real thing and

NOTE Confidence: 0.9309332

00:56:59.194 --> 00:57:01.474 you might want to even throw some of

NOTE Confidence: 0.9309332

00:57:01.474 --> 00:57:03.346 this to some of your panel as well.

NOTE Confidence: 0.894819604444444

00:57:04.700 --> 00:57:07.716 I am going to pass that question on

NOTE Confidence: 0.894819604444444

00:57:07.716 --> 00:57:09.864 to some of our junior faculty who

NOTE Confidence: 0.894819604444444

00:57:09.864 --> 00:57:11.040 have done stimulation fellowships

NOTE Confidence: 0.894819604444444

00:57:11.088 --> 00:57:12.824 as well as to the medical students

NOTE Confidence: 0.894819604444444

00:57:12.824 --> 00:57:14.179 and they're they're probably the

NOTE Confidence: 0.894819604444444

00:57:14.179 --> 00:57:15.865 best able to answer those questions.

NOTE Confidence: 0.9582017

00:57:20.280 --> 00:57:22.388 I'll start off and then

NOTE Confidence: 0.9582017

00:57:22.388 --> 00:57:24.316 I'll nominate a student.
NOTE Confidence: 0.937199876666667

00:57:24.320 --> 00:57:26.395 I think I can answer this because I
NOTE Confidence: 0.937199876666667

00:57:26.395 --> 00:57:28.469 actually did not do any simulation
NOTE Confidence: 0.937199876666667

00:57:28.469 --> 00:57:30.361 during my emergency medicine
NOTE Confidence: 0.937199876666667

00:57:30.361 --> 00:57:32.253 residency or medical school.
NOTE Confidence: 0.937199876666667

00:57:32.260 --> 00:57:34.530 I I didn't go to Yale, obviously,
NOTE Confidence: 0.937199876666667

00:57:34.530 --> 00:57:36.408 but I didn't have any,
NOTE Confidence: 0.937199876666667

00:57:36.410 --> 00:57:37.520 and when I was a resident,
NOTE Confidence: 0.937199876666667

00:57:37.520 --> 00:57:39.585 I really I had a lot of
NOTE Confidence: 0.937199876666667

00:57:39.585 --> 00:57:41.699 volume and a lot of acuity,
NOTE Confidence: 0.937199876666667

00:57:41.700 --> 00:57:43.896 but I never had the chance to sit down
NOTE Confidence: 0.937199876666667

00:57:43.896 --> 00:57:45.988 and really dissect cases in real time
NOTE Confidence: 0.937199876666667

00:57:45.988 --> 00:57:48.169 and have a chance to sit down and.
NOTE Confidence: 0.937199876666667

00:57:48.170 --> 00:57:50.180 Think about things and talk
NOTE Confidence: 0.937199876666667

00:57:50.180 --> 00:57:51.386 about alternative ways.
NOTE Confidence: 0.937199876666667

00:57:51.390 --> 00:57:54.086 It could have been managed and really get

NOTE Confidence: 0.937199876666667
00:57:54.086 --> 00:57:56.986 into the nitty gritty of decision making.
NOTE Confidence: 0.937199876666667
00:57:56.990 --> 00:57:59.237 With my faculty and I think that
NOTE Confidence: 0.937199876666667
00:57:59.237 --> 00:58:01.267 that's something that we spend all day,
NOTE Confidence: 0.937199876666667
00:58:01.270 --> 00:58:03.532 every day doing with our residents
NOTE Confidence: 0.937199876666667
00:58:03.532 --> 00:58:04.286 and students.
NOTE Confidence: 0.937199876666667
00:58:04.290 --> 00:58:06.626 And that's what makes it so valuable is
NOTE Confidence: 0.937199876666667
00:58:06.626 --> 00:58:09.399 you can really get at the decision making.
NOTE Confidence: 0.937199876666667
00:58:09.400 --> 00:58:11.435 What are the different options
NOTE Confidence: 0.937199876666667
00:58:11.435 --> 00:58:13.063 within standard of care,
NOTE Confidence: 0.937199876666667
00:58:13.070 --> 00:58:14.654 how people have approached
NOTE Confidence: 0.937199876666667
00:58:14.654 --> 00:58:16.634 this in their own experience,
NOTE Confidence: 0.937199876666667
00:58:16.640 --> 00:58:18.796 and you can really draw on all
NOTE Confidence: 0.937199876666667
00:58:18.796 --> 00:58:20.527 of those experiences to have
NOTE Confidence: 0.937199876666667
00:58:20.527 --> 00:58:22.015 a really valuable discussion.
NOTE Confidence: 0.937199876666667
00:58:22.020 --> 00:58:23.609 So that's my take and I don't
NOTE Confidence: 0.937199876666667

00:58:23.609 --> 00:58:25.896 know if you wanna chime in on your
NOTE Confidence: 0.937199876666667

00:58:25.896 --> 00:58:27.767 experiences that are plentiful or or
NOTE Confidence: 0.937199876666667

00:58:27.767 --> 00:58:30.152 if I should just nominee one of our students.
NOTE Confidence: 0.923774325

00:58:31.540 --> 00:58:32.568 I'd be curious if
NOTE Confidence: 0.865117168666667

00:58:32.600 --> 00:58:34.128 any of our students would be willing to
NOTE Confidence: 0.865117168666667

00:58:34.128 --> 00:58:36.020 talk a little bit about their experiences,
NOTE Confidence: 0.865117168666667

00:58:36.020 --> 00:58:37.856 and then I'd be happy to add to that.
NOTE Confidence: 0.64642401

00:58:41.480 --> 00:58:44.497 I think as I as I sort of mentioned,
NOTE Confidence: 0.94262962375

00:58:44.500 --> 00:58:48.140 the initial part of what I spoke about,
NOTE Confidence: 0.94262962375

00:58:48.140 --> 00:58:49.880 simulation has been hugely helpful
NOTE Confidence: 0.94262962375

00:58:49.880 --> 00:58:53.105 for me in terms of feeling like I was
NOTE Confidence: 0.94262962375

00:58:53.105 --> 00:58:55.229 prepared for my sub internships for
NOTE Confidence: 0.94262962375

00:58:55.303 --> 00:58:57.798 my clinical experiences going forward.
NOTE Confidence: 0.94262962375

00:58:57.800 --> 00:59:00.712 I think the like Doctor Joseph was
NOTE Confidence: 0.94262962375

00:59:00.712 --> 00:59:03.828 saying this chance to have the debrief
NOTE Confidence: 0.94262962375

00:59:03.828 --> 00:59:06.053 afterwards where you both here.

NOTE Confidence: 0.94262962375

00:59:06.060 --> 00:59:07.428 The standard of care,

NOTE Confidence: 0.94262962375

00:59:07.428 --> 00:59:09.480 sort of various options within that,

NOTE Confidence: 0.94262962375

00:59:09.480 --> 00:59:11.199 but then also you get kind of the real

NOTE Confidence: 0.94262962375

00:59:11.199 --> 00:59:12.698 world perspective from the faculty,

NOTE Confidence: 0.94262962375

00:59:12.700 --> 00:59:13.740 which sometimes you're missing

NOTE Confidence: 0.94262962375

00:59:13.740 --> 00:59:15.100 as a medical student,

NOTE Confidence: 0.94262962375

00:59:15.100 --> 00:59:17.381 things that you need to be thinking about

NOTE Confidence: 0.94262962375

00:59:17.381 --> 00:59:19.120 that aren't things that you're studying.

NOTE Confidence: 0.94262962375

00:59:19.120 --> 00:59:22.508 The textbook or boards and beyond or

NOTE Confidence: 0.94262962375

00:59:22.508 --> 00:59:23.185 whatever you're studying shows you,

NOTE Confidence: 0.94262962375

00:59:23.185 --> 00:59:25.532 and also then the direct feedback

NOTE Confidence: 0.94262962375

00:59:25.532 --> 00:59:27.716 was always which the faculty at

NOTE Confidence: 0.94262962375

00:59:27.716 --> 00:59:30.305 the YCS are always very willing to

NOTE Confidence: 0.94262962375

00:59:30.305 --> 00:59:32.422 provide was always super helpful.

NOTE Confidence: 0.94262962375

00:59:32.422 --> 00:59:34.612 You could and there's always

NOTE Confidence: 0.94262962375

00:59:34.612 --> 00:59:36.348 opportunities as well like after.

NOTE Confidence: 0.94262962375

00:59:36.350 --> 00:59:36.687 Recessions.

NOTE Confidence: 0.94262962375

00:59:36.687 --> 00:59:39.046 If you want more feedback like individually,

NOTE Confidence: 0.94262962375

00:59:39.050 --> 00:59:40.846 obviously the degree focuses on the

NOTE Confidence: 0.94262962375

00:59:40.846 --> 00:59:42.330 group and the teamwork and the case.

NOTE Confidence: 0.94262962375

00:59:42.330 --> 00:59:44.696 But if you want more feedback individually,

NOTE Confidence: 0.94262962375

00:59:44.700 --> 00:59:46.590 the faculty always make it clear that

NOTE Confidence: 0.94262962375

00:59:46.590 --> 00:59:48.450 they're happy to set up time to like.

NOTE Confidence: 0.94262962375

00:59:48.450 --> 00:59:50.730 Give some individual feedback or even

NOTE Confidence: 0.94262962375

00:59:50.730 --> 00:59:52.250 review videotapes of simulations,

NOTE Confidence: 0.94262962375

00:59:52.250 --> 00:59:53.378 which is really helpful.

NOTE Confidence: 0.81652565375

00:59:57.530 --> 01:00:01.499 Great thank you. This next question I

NOTE Confidence: 0.81652565375

01:00:01.499 --> 01:00:05.346 think may refer to the outreach Dr.

NOTE Confidence: 0.81652565375

01:00:05.350 --> 01:00:08.178 Bonds was talking about and that is

NOTE Confidence: 0.81652565375

01:00:08.178 --> 01:00:10.180 we'll participant outcomes be tracked.

NOTE Confidence: 0.81652565375

01:00:10.180 --> 01:00:12.610 See if the program helps affect

NOTE Confidence: 0.81652565375

01:00:12.610 --> 01:00:14.767 change in college applications and

NOTE Confidence: 0.81652565375

01:00:14.767 --> 01:00:17.107 potential future careers in healthcare.

NOTE Confidence: 0.75412923

01:00:18.970 --> 01:00:21.244 Yeah, so that's a great question.

NOTE Confidence: 0.75412923

01:00:21.244 --> 01:00:22.124 Thank you for asking it.

NOTE Confidence: 0.900888445

01:00:22.130 --> 01:00:24.690 We we are in touch with our students.

NOTE Confidence: 0.900888445

01:00:24.690 --> 01:00:27.924 We I don't have an active list

NOTE Confidence: 0.900888445

01:00:27.924 --> 01:00:30.129 right now and going forward we will.

NOTE Confidence: 0.900888445

01:00:30.130 --> 01:00:32.090 Will try to keep tabs on on everyone

NOTE Confidence: 0.900888445

01:00:32.090 --> 01:00:33.807 and and where they have gone.

NOTE Confidence: 0.900888445

01:00:33.810 --> 01:00:35.812 But I wouldn't be able to present

NOTE Confidence: 0.900888445

01:00:35.812 --> 01:00:38.514 it and in sort of a formalized data

NOTE Confidence: 0.900888445

01:00:38.514 --> 01:00:41.725 format because it has been really

NOTE Confidence: 0.900888445

01:00:41.725 --> 01:00:44.445 those that like what I can say is that

NOTE Confidence: 0.900888445

01:00:44.445 --> 01:00:46.218 there every year there are a number

NOTE Confidence: 0.900888445

01:00:46.218 --> 01:00:48.106 of students who continue to stay in

NOTE Confidence: 0.900888445

01:00:48.106 --> 01:00:49.726 touch that this is clearly hadn't.
NOTE Confidence: 0.900888445

01:00:49.730 --> 01:00:53.202 Impact on them and I can't say as
NOTE Confidence: 0.900888445

01:00:53.202 --> 01:00:56.457 a whole how it is difficult for
NOTE Confidence: 0.900888445

01:00:56.457 --> 01:00:58.732 me to tell you how.
NOTE Confidence: 0.900888445

01:00:58.740 --> 01:01:00.441 What type of change it has made
NOTE Confidence: 0.900888445

01:01:00.441 --> 01:01:02.300 in in any one person's life.
NOTE Confidence: 0.900888445

01:01:02.300 --> 01:01:06.680 We have tried to engage.
NOTE Confidence: 0.900888445

01:01:06.680 --> 01:01:08.960 Some of those.
NOTE Confidence: 0.900888445

01:01:08.960 --> 01:01:09.864 Past students,
NOTE Confidence: 0.900888445

01:01:09.864 --> 01:01:12.576 but we've also run into difficulties
NOTE Confidence: 0.900888445

01:01:12.576 --> 01:01:14.328 because they're minors and
NOTE Confidence: 0.900888445

01:01:14.328 --> 01:01:16.258 have to get parental consent.
NOTE Confidence: 0.900888445

01:01:16.260 --> 01:01:18.816 And then sometimes it's very actually.
NOTE Confidence: 0.900888445

01:01:18.820 --> 01:01:20.272 It's very difficult often
NOTE Confidence: 0.900888445

01:01:20.272 --> 01:01:21.724 to reach the parents,
NOTE Confidence: 0.900888445

01:01:21.730 --> 01:01:22.906 so we we have run into

NOTE Confidence: 0.900888445

01:01:22.906 --> 01:01:23.690 some roadblocks that way.

NOTE Confidence: 0.9273813275

01:01:24.680 --> 01:01:26.031 I would just like to add a

NOTE Confidence: 0.9273813275

01:01:26.031 --> 01:01:27.339 comment on on that question,

NOTE Confidence: 0.9273813275

01:01:27.340 --> 01:01:29.356 which is that that is part of the

NOTE Confidence: 0.9273813275

01:01:29.356 --> 01:01:31.298 reason why we are linking ourselves

NOTE Confidence: 0.9273813275

01:01:31.298 --> 01:01:33.018 with Yale pathway to science.

NOTE Confidence: 0.9273813275

01:01:33.020 --> 01:01:34.988 Because all of those students are

NOTE Confidence: 0.9273813275

01:01:34.988 --> 01:01:36.670 tracked during their entire high

NOTE Confidence: 0.9273813275

01:01:36.670 --> 01:01:38.560 school career as well as afterwards.

NOTE Confidence: 0.9273813275

01:01:38.560 --> 01:01:40.317 What they do in terms of going

NOTE Confidence: 0.9273813275

01:01:40.317 --> 01:01:41.690 to college and afterward.

NOTE Confidence: 0.9273813275

01:01:41.690 --> 01:01:43.402 So all of our students now that are

NOTE Confidence: 0.9273813275

01:01:43.402 --> 01:01:45.267 going to be enrolled in the Yell

NOTE Confidence: 0.9273813275

01:01:45.267 --> 01:01:47.194 Simulation Academy are also going to be

NOTE Confidence: 0.9273813275

01:01:47.194 --> 01:01:48.895 in the Yale pathway to science program,

NOTE Confidence: 0.9273813275

01:01:48.900 --> 01:01:50.780 so that will help us to do that.
NOTE Confidence: 0.9273813275

01:01:50.780 --> 01:01:53.876 I can just say at a personal level,
NOTE Confidence: 0.9273813275

01:01:53.880 --> 01:01:55.476 Doctor Gus Berg today was speaking
NOTE Confidence: 0.9273813275

01:01:55.476 --> 01:01:57.530 to a yell some Academy graduate.
NOTE Confidence: 0.9273813275

01:01:57.530 --> 01:01:59.360 Who is graduating from college this
NOTE Confidence: 0.9273813275

01:01:59.360 --> 01:02:01.670 year and wants to apply to PA School
NOTE Confidence: 0.9273813275

01:02:01.670 --> 01:02:03.630 so just at a very personal level.
NOTE Confidence: 0.9273813275

01:02:03.630 --> 01:02:06.080 I can tell you that it there's
NOTE Confidence: 0.9273813275

01:02:06.080 --> 01:02:07.720 evidence of significant success.
NOTE Confidence: 0.849434905454545

01:02:08.590 --> 01:02:10.525 Great this next question I
NOTE Confidence: 0.849434905454545

01:02:10.525 --> 01:02:13.010 think would be for Dina Lousy,
NOTE Confidence: 0.849434905454545

01:02:13.010 --> 01:02:16.265 which is do students who have completed
NOTE Confidence: 0.849434905454545

01:02:16.265 --> 01:02:19.209 and alternative high school such as AGV.
NOTE Confidence: 0.849434905454545

01:02:19.210 --> 01:02:21.387 Can they be accepted to the Yale
NOTE Confidence: 0.849434905454545

01:02:21.387 --> 01:02:23.489 School of Medicine as undergraduates,
NOTE Confidence: 0.849434905454545

01:02:23.490 --> 01:02:25.360 and are there any scholarships

NOTE Confidence: 0.849434905454545

01:02:25.360 --> 01:02:26.856 available for overseas students?

NOTE Confidence: 0.861133738

01:02:29.380 --> 01:02:31.160 Thank you Mike. You know,

NOTE Confidence: 0.861133738

01:02:31.160 --> 01:02:34.002 I think that we are always looking

NOTE Confidence: 0.861133738

01:02:34.002 --> 01:02:37.000 at ways to increase the diversity

NOTE Confidence: 0.861133738

01:02:37.000 --> 01:02:38.920 amongst both our undergraduates

NOTE Confidence: 0.861133738

01:02:38.920 --> 01:02:40.494 at the Yellow College as well

NOTE Confidence: 0.861133738

01:02:40.494 --> 01:02:41.736 as in the School of Medicine.

NOTE Confidence: 0.861133738

01:02:41.740 --> 01:02:45.547 And so you know, we do not have a

NOTE Confidence: 0.861133738

01:02:45.547 --> 01:02:48.139 requirement that a student has has

NOTE Confidence: 0.861133738

01:02:48.140 --> 01:02:51.200 attended a regular high school.

NOTE Confidence: 0.861133738

01:02:51.200 --> 01:02:54.192 I think we will get all of our

NOTE Confidence: 0.861133738

01:02:54.192 --> 01:02:55.868 applicants holistically and are

NOTE Confidence: 0.861133738

01:02:55.868 --> 01:02:57.998 very open to receiving applications

NOTE Confidence: 0.861133738

01:02:58.000 --> 01:03:00.440 from from all types of students.

NOTE Confidence: 0.861180287333333

01:03:02.270 --> 01:03:03.476 Great, thank you.

NOTE Confidence: 0.861180287333333

01:03:03.476 --> 01:03:05.888 The next question is sometimes difficult
NOTE Confidence: 0.861180287333333

01:03:05.888 --> 01:03:08.666 to answer because of modesty concerns,
NOTE Confidence: 0.861180287333333

01:03:08.670 --> 01:03:11.317 but how does our center and
NOTE Confidence: 0.861180287333333

01:03:11.317 --> 01:03:13.159 program compare to our peers and
NOTE Confidence: 0.861180287333333

01:03:13.159 --> 01:03:14.990 how do potential students learn
NOTE Confidence: 0.861180287333333

01:03:14.990 --> 01:03:16.690 about the simulation program?
NOTE Confidence: 0.93100932125

01:03:19.160 --> 01:03:20.492 Well, as I mentioned,
NOTE Confidence: 0.93100932125

01:03:20.492 --> 01:03:22.490 we definitely have the largest high
NOTE Confidence: 0.93100932125

01:03:22.557 --> 01:03:24.897 fidelity manikin program in the country,
NOTE Confidence: 0.93100932125

01:03:24.900 --> 01:03:27.189 so all of our students based on
NOTE Confidence: 0.93100932125

01:03:27.189 --> 01:03:29.711 the addition of the pre clerkship
NOTE Confidence: 0.93100932125

01:03:29.711 --> 01:03:31.436 curriculum and then the capstone
NOTE Confidence: 0.93100932125

01:03:31.436 --> 01:03:33.712 program will take care of 39 patients
NOTE Confidence: 0.93100932125

01:03:33.712 --> 01:03:35.830 at our center and that's more
NOTE Confidence: 0.93100932125

01:03:35.830 --> 01:03:37.878 than anywhere else in the country.
NOTE Confidence: 0.93100932125

01:03:37.880 --> 01:03:39.572 I think we haven't done enough

NOTE Confidence: 0.93100932125

01:03:39.572 --> 01:03:41.648 probably and I I need to find out

NOTE Confidence: 0.93100932125

01:03:41.648 --> 01:03:43.904 how to do this to to also recruit

NOTE Confidence: 0.93100932125

01:03:43.904 --> 01:03:46.100 students to participate in a

NOTE Confidence: 0.93100932125

01:03:46.100 --> 01:03:48.350 simulation elective during their last.

NOTE Confidence: 0.93100932125

01:03:48.350 --> 01:03:49.542 Year of medical school.

NOTE Confidence: 0.93100932125

01:03:49.542 --> 01:03:52.070 I don't think we we advertise that enough,

NOTE Confidence: 0.93100932125

01:03:52.070 --> 01:03:53.864 but it's another opportunity for them

NOTE Confidence: 0.93100932125

01:03:53.864 --> 01:03:56.960 to take care of a lot more patients and.

NOTE Confidence: 0.907885853076923

01:03:59.620 --> 01:04:01.452 I think I I'm did I miss the

NOTE Confidence: 0.907885853076923

01:04:01.452 --> 01:04:02.890 second part of the question.

NOTE Confidence: 0.4938712775

01:04:05.060 --> 01:04:09.856 Let's see and sorry you have to

NOTE Confidence: 0.4938712775

01:04:09.856 --> 01:04:12.528 go back and read it. They had it,

NOTE Confidence: 0.4938712775

01:04:12.528 --> 01:04:14.230 so how do they learn about the program?

NOTE Confidence: 0.4938712775

01:04:14.230 --> 01:04:17.783 I guess was the first part and then the

NOTE Confidence: 0.4938712775

01:04:17.783 --> 01:04:19.414 second part rather and the first part

NOTE Confidence: 0.4938712775

01:04:19.414 --> 01:04:20.878 you already answered, which is out of
NOTE Confidence: 0.711888017777778

01:04:21.520 --> 01:04:23.599 the other thing is that I'm hoping
NOTE Confidence: 0.711888017777778

01:04:23.599 --> 01:04:25.860 too that we can incorporate the SIM
NOTE Confidence: 0.711888017777778

01:04:25.860 --> 01:04:28.359 center into the tour of students that
NOTE Confidence: 0.711888017777778

01:04:28.359 --> 01:04:30.669 get accepted to Yale Medical School
NOTE Confidence: 0.711888017777778

01:04:30.669 --> 01:04:33.570 and that we can actually advertise the
NOTE Confidence: 0.711888017777778

01:04:33.570 --> 01:04:35.834 curriculum that they're going to be
NOTE Confidence: 0.711888017777778

01:04:35.834 --> 01:04:37.670 exposed to if they choose to come to Yale.
NOTE Confidence: 0.711888017777778

01:04:37.670 --> 01:04:39.356 So that's another area I've also
NOTE Confidence: 0.711888017777778

01:04:39.356 --> 01:04:41.109 spoken to Doctor Lucy about that.
NOTE Confidence: 0.6795392

01:04:42.660 --> 01:04:45.594 Great. Well, I see we're
NOTE Confidence: 0.6795392

01:04:45.594 --> 01:04:46.849 a little bit after seven.
NOTE Confidence: 0.6795392

01:04:46.850 --> 01:04:49.020 I really want to thank Doctor Evans
NOTE Confidence: 0.6795392

01:04:49.020 --> 01:04:51.146 and the faculty and the students
NOTE Confidence: 0.6795392

01:04:51.146 --> 01:04:53.408 for sharing these kind of inspiring
NOTE Confidence: 0.6795392

01:04:53.408 --> 01:04:55.279 vignettes and telling us about the

NOTE Confidence: 0.6795392

01:04:55.279 --> 01:04:57.712 advances in the use of simulation that

NOTE Confidence: 0.6795392

01:04:57.712 --> 01:05:00.718 you all have pioneered for medical

NOTE Confidence: 0.6795392

01:05:00.718 --> 01:05:02.472 education research and, importantly,

NOTE Confidence: 0.6795392

01:05:02.472 --> 01:05:05.146 the outreach to our community at ysm.

NOTE Confidence: 0.6795392

01:05:05.150 --> 01:05:08.190 So thank you very much for for doing

NOTE Confidence: 0.6795392

01:05:08.190 --> 01:05:10.816 this and we hope to hear more and

NOTE Confidence: 0.6795392

01:05:10.816 --> 01:05:12.672 have our students engaged more and

NOTE Confidence: 0.6795392

01:05:12.672 --> 01:05:15.930 more as we proceed on. Thank you.

NOTE Confidence: 0.6795392

01:05:15.930 --> 01:05:17.210 Have a good evening everybody.

NOTE Confidence: 0.6659672

01:05:19.090 --> 01:05:19.560 Bye.