WEBVTT

00:00:04.560 --> 00:00:05.640 And welcome everyone.

00:00:05.640 --> 00:00:08.280 Thanks so much for joining us.

00:00:08.280 --> 00:00:10.350 For those of you who are new to our

00:00:10.350 --> 00:00:12.104 annual Associates meeting, welcome.

00:00:12.104 --> 00:00:14.805 So glad you're here. I'm Linda Mays.

00:00:14.805 --> 00:00:16.815 I'm the Director of the Child

00:00:16.815 --> 00:00:19.344 Studies Center and just very grateful

00:00:19.344 --> 00:00:21.960 for you joining us via ZOOM.

00:00:21.960 --> 00:00:24.235 We look forward to when we will

00:00:24.235 --> 00:00:26.439 do this event again in person,

00:00:26.440 --> 00:00:27.544 hopefully next year.

00:00:27.544 --> 00:00:29.420 But again, we're just grateful

00:00:29.420 --> 00:00:31.320 for your taking the time.

00:00:31.320 --> 00:00:33.174 This has been a remarkable year

NOTE Confidence: 0.81644887

00:00:33.174 --> 00:00:35.256 for the Child Study Center with

NOTE Confidence: 0.81644887

00:00:35.256 --> 00:00:36.920 so much clinical activity.

NOTE Confidence: 0.81644887

00:00:36.920 --> 00:00:38.438 There's so many children in need,

NOTE Confidence: 0.81644887

00:00:38.440 --> 00:00:41.038 a remarkable year for our research,

NOTE Confidence: 0.81644887

00:00:41.040 --> 00:00:43.320 new grants, new discoveries.

NOTE Confidence: 0.81644887

00:00:43.320 --> 00:00:46.866 And we're always very enriched H July

NOTE Confidence: 0.81644887

00:00:46.866 --> 00:00:49.820 to have our new fellows come and

NOTE Confidence: 0.81644887

00:00:49.912 --> 00:00:53.080 join us for our educational mission.

NOTE Confidence: 0.81644887

00:00:53.080 --> 00:00:56.080 This year we're trying another format,

NOTE Confidence: 0.81644887

00:00:56.080 --> 00:00:58.720 format that we hope works well

NOTE Confidence: 0.81644887

00:00:58.720 --> 00:01:01.355 for you where you have a chance

NOTE Confidence: 0.81644887

00:01:01.355 --> 00:01:03.593 to introduce you to many members

NOTE Confidence: 0.81644887

00:01:03.593 --> 00:01:06.035 of our faculty and our fellows.

NOTE Confidence: 0.81644887

00:01:06.040 --> 00:01:08.175 We'd also encourage you and we'll give

NOTE Confidence: 0.81644887

00:01:08.175 --> 00:01:10.479 you links that we have a number of

NOTE Confidence: 0.81644887

00:01:10.479 --> 00:01:12.680 posters and talks that are online if

NOTE Confidence: 0.81644887

00:01:12.680 --> 00:01:15.680 you want to learn more about the center.

NOTE Confidence: 0.81644887

00:01:15.680 --> 00:01:19.253 But the format comes out of this out of

NOTE Confidence: 0.81644887

00:01:19.253 --> 00:01:22.826 a story and that is over the last few weeks,

NOTE Confidence: 0.81644887

00:01:22.826 --> 00:01:24.000 indeed even months.

NOTE Confidence: 0.852102850714286

00:01:26.320 --> 00:01:28.176 And the opportunity is,

NOTE Confidence: 0.852102850714286

00:01:28.176 --> 00:01:30.960 I've spoken with pediatricians and gone

NOTE Confidence: 0.852102850714286

00:01:31.042 --> 00:01:34.298 around to various meetings to meet with

NOTE Confidence: 0.852102850714286

00:01:34.298 --> 00:01:36.862 families and hear pediatricians and

NOTE Confidence: 0.852102850714286

00:01:36.862 --> 00:01:40.333 other other mental health folks talk

NOTE Confidence: 0.852102850714286

00:01:40.333 --> 00:01:43.224 about the impact that coming to the

NOTE Confidence: 0.852102850714286

00:01:43.224 --> 00:01:46.037 child Study Center has made on them,

NOTE Confidence: 0.852102850714286

00:01:46.040 --> 00:01:49.596 where they're coming for a research study,

NOTE Confidence: 0.852102850714286

00:01:49.600 --> 00:01:51.192 participating in research study

NOTE Confidence: 0.852102850714286

00:01:51.192 --> 00:01:53.580 and having the experience of giving

NOTE Confidence: 0.852102850714286

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00:01:53.642 --> 00:01:56.720 back or coming for clinical care.

NOTE Confidence: 0.852102850714286

00:01:56.720 --> 00:01:59.825 And sometimes those stories have

NOTE Confidence: 0.852102850714286

00:01:59.825 --> 00:02:02.675 stretched over a decade or so,

NOTE Confidence: 0.852102850714286

00:02:02.680 --> 00:02:06.640 an individual or a family looking back at

NOTE Confidence: 0.852102850714286

00:02:06.640 --> 00:02:10.645 the impact 20 years before coming to us,

NOTE Confidence: 0.852102850714286

00:02:10.645 --> 00:02:13.502 coming to give us the opportunity

NOTE Confidence: 0.852102850714286

00:02:13.502 --> 00:02:16.780 and the honor to help them on the

NOTE Confidence: 0.852102850714286

00:02:16.780 --> 00:02:19.720 impact that has made over time.

NOTE Confidence: 0.852102850714286

00:02:19.720 --> 00:02:22.365 And it struck a number of us that we're

NOTE Confidence: 0.852102850714286

00:02:22.365 --> 00:02:24.075 always very grateful to hear that,

NOTE Confidence: 0.852102850714286

00:02:24.080 --> 00:02:26.060 and we're very grateful to hear

NOTE Confidence: 0.852102850714286

00:02:26.060 --> 00:02:27.920 how we've made an impact.

NOTE Confidence: 0.852102850714286

00:02:27.920 --> 00:02:30.710 But we want to actually be able to tell

NOTE Confidence: 0.852102850714286

00:02:30.710 --> 00:02:32.956 everyone that's been involved with us,

NOTE Confidence: 0.852102850714286

00:02:32.960 --> 00:02:35.240 in whatever way you've been involved with us.

NOTE Confidence: 0.852102850714286

00:02:35.240 --> 00:02:38.520 How you've made an impact on our community

NOTE Confidence: 0.852102850714286

00:02:38.520 --> 00:02:41.232 and this department and the many,

NOTE Confidence: 0.852102850714286

00:02:41.232 --> 00:02:44.432 many ways that you shape careers,

NOTE Confidence: 0.852102850714286

00:02:44.432 --> 00:02:48.371 That you shape careers by your support,

NOTE Confidence: 0.852102850714286

00:02:48.371 --> 00:02:49.604 your financial support,

NOTE Confidence: 0.852102850714286

00:02:49.604 --> 00:02:50.837 by your colleagueship,

NOTE Confidence: 0.852102850714286

00:02:50.840 --> 00:02:52.676 by the ideas you give us,

NOTE Confidence: 0.852102850714286

00:02:52.680 --> 00:02:55.600 by the networks that you help us make.

NOTE Confidence: 0.852102850714286

00:02:55.600 --> 00:02:57.763 And we hope this afternoon that you'll

NOTE Confidence: 0.852102850714286

00:02:57.763 --> 00:03:00.328 be able to hear a number of those

NOTE Confidence: 0.852102850714286

00:03:00.328 --> 00:03:02.280 nodal points where an individual,

NOTE Confidence: 0.852102850714286

00:03:02.280 --> 00:03:04.920 wherever they are in their career,

NOTE Confidence: 0.852102850714286

00:03:04.920 --> 00:03:08.550 has actually made a transition because of

NOTE Confidence: 0.852102850714286

00:03:08.550 --> 00:03:11.280 being a contribution from our associates,

NOTE Confidence: 0.852102850714286

00:03:11.280 --> 00:03:12.939 from a mentor,

NOTE Confidence: 0.852102850714286

00:03:12.939 --> 00:03:14.598 from an individual.

NOTE Confidence: 0.852102850714286

00:03:14.600 --> 00:03:17.633 We are all part of a community and we

NOTE Confidence: 0.852102850714286

00:03:17.633 --> 00:03:20.868 are all part as we need to support one

NOTE Confidence: 0.852102850714286

00:03:20.868 --> 00:03:23.539 another in this difficult but at the

NOTE Confidence: 0.852102850714286

00:03:23.539 --> 00:03:25.861 same time remarkably rewarding work in

NOTE Confidence: 0.852102850714286

00:03:25.861 --> 00:03:28.638 child and adolescent behavioral health.

NOTE Confidence: 0.852102850714286

00:03:28.640 --> 00:03:32.408 So listen to our gratitude this afternoon to

NOTE Confidence: 0.852102850714286

00:03:32.408 --> 00:03:36.797 you and to the stories that we will tell you.

NOTE Confidence: 0.852102850714286

00:03:36.800 --> 00:03:39.117 We'll look forward to also having discussion.

NOTE Confidence: 0.852102850714286

00:03:39.120 --> 00:03:41.480 We're going to divide up into four panels,

NOTE Confidence: 0.852102850714286

00:03:41.480 --> 00:03:44.000 as you may have seen in the agenda,

NOTE Confidence: 0.852102850714286

00:03:44.000 --> 00:03:45.626 And so we'll have time for

NOTE Confidence: 0.852102850714286

00:03:45.626 --> 00:03:46.439 discussion and questions.

NOTE Confidence: 0.852102850714286

00:03:46.440 --> 00:03:49.114 And indeed, besides telling you our stories,

NOTE Confidence: 0.852102850714286

00:03:49.120 --> 00:03:51.199 which is a tremendous amount of fun,

NOTE Confidence: 0.852102850714286

00:03:51.200 --> 00:03:52.772 being able to engage with you

NOTE Confidence: 0.852102850714286

00:03:52.772 --> 00:03:54.440 and ask your your questions,

NOTE Confidence: 0.852102850714286

00:03:54.440 --> 00:03:56.640 your your concerns is also

NOTE Confidence: 0.852102850714286

00:03:56.640 --> 00:03:58.400 extraordinarily rewarding for us.

NOTE Confidence: 0.852102850714286

00:03:58.400 --> 00:04:01.478 So please, you can send them in the chat,

NOTE Confidence: 0.852102850714286

00:04:01.480 --> 00:04:03.160 you can raise your virtual hand,

NOTE Confidence: 0.852102850714286

00:04:03.160 --> 00:04:05.760 you can just speak up,

NOTE Confidence: 0.852102850714286

00:04:05.760 --> 00:04:06.920 but that's our format.

NOTE Confidence: 0.852102850714286

00:04:06.920 --> 00:04:09.440 And then at the end of the panels,

NOTE Confidence: 0.852102850714286

00:04:09.440 --> 00:04:10.648 we'll have four panels.

NOTE Confidence: 0.852102850714286

00:04:10.648 --> 00:04:12.823 We'll have a brief break in the

NOTE Confidence: 0.852102850714286

00:04:12.823 --> 00:04:13.960 middle and then at the end,

NOTE Confidence: 0.852102850714286

00:04:13.960 --> 00:04:16.660 we invite you to join any breakout room with

NOTE Confidence: 0.852102850714286

00:04:16.660 --> 00:04:19.226 each of the panelists as you as you like.

NOTE Confidence: 0.852102850714286

00:04:19.226 --> 00:04:22.170 We hope you will, we will be available to

NOTE Confidence: 0.852102850714286

00:04:22.170 --> 00:04:25.399 move you from breakout room to breakout room.

NOTE Confidence: 0.852102850714286

00:04:25.400 --> 00:04:28.438 But but that again is the format.

NOTE Confidence: 0.852102850714286

00:04:28.440 --> 00:04:29.580 So with that,

NOTE Confidence: 0.852102850714286

00:04:29.580 --> 00:04:32.840 I think we'll turn to our first panel.

NOTE Confidence: 0.852102850714286

00:04:32.840 --> 00:04:33.536 And Krista,

NOTE Confidence: 0.852102850714286

00:04:33.536 --> 00:04:36.600 you're still admitting folks in, right?

NOTE Confidence: 0.852102850714286

00:04:36.600 --> 00:04:37.151 Great.

NOTE Confidence: 0.852102850714286

00:04:37.151 --> 00:04:37.702 OK,

NOTE Confidence: 0.852102850714286

00:04:37.702 --> 00:04:38.804 Thank you.

NOTE Confidence: 0.852102850714286

00:04:38.804 --> 00:04:42.331 And so our first panel is a panel

NOTE Confidence: 0.852102850714286

00:04:42.331 --> 00:04:44.130 where we're really you'll hear from a

NOTE Confidence: 0.42499447

00:04:44.190 --> 00:04:45.478 number of our clinical

NOTE Confidence: 0.42499447

00:04:45.478 --> 00:04:46.979 faculty and clinical fellows.

NOTE Confidence: 0.42499447

00:04:46.979 --> 00:04:49.337 And let me just tell you

NOTE Confidence: 0.42499447

00:04:49.337 --> 00:04:51.451 who you hear from panel.

NOTE Confidence: 0.42499447

00:04:51.451 --> 00:04:55.117 You'll hear from Doctor Aarti Basilopoulos,

NOTE Confidence: 0.42499447

00:04:55.120 --> 00:04:58.024 who is an assistant professor and

NOTE Confidence: 0.42499447

00:04:58.024 --> 00:04:59.476 pediatric health psychologist

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NOTE Confidence: 0.42499447

00:04:59.480 --> 00:05:01.664 and also the Yale Site Director

NOTE Confidence: 0.42499447

00:05:01.664 --> 00:05:03.720 for our Comfort Ability program,

NOTE Confidence: 0.42499447

00:05:03.720 --> 00:05:06.520 which is about chronic pain.

NOTE Confidence: 0.42499447

00:05:06.520 --> 00:05:08.680 You'll hear from Carrie Epstein,

NOTE Confidence: 0.42499447

00:05:08.680 --> 00:05:10.176 Assistant Clinical Professor and

NOTE Confidence: 0.42499447

00:05:10.176 --> 00:05:12.903 also Co Director of the Yale Center

NOTE Confidence: 0.42499447

00:05:12.903 --> 00:05:14.998 for Traumatic Stress and Recovery.

NOTE Confidence: 0.42499447

00:05:15.000 --> 00:05:17.877 The next speaker will be Carla Marin.

NOTE Confidence: 0.42499447

00:05:17.880 --> 00:05:18.951 Dr. Carla Marin,

NOTE Confidence: 0.42499447

00:05:18.951 --> 00:05:21.093 who is an assistant professor and

NOTE Confidence: 0.42499447

00:05:21.093 --> 00:05:22.803 Licensed psychologist as well as

NOTE Confidence: 0.42499447

00:05:22.803 --> 00:05:25.208 the in the Yale Child Studies Center

NOTE Confidence: 0.42499447

00:05:25.208 --> 00:05:27.278 Anxiety and Mood Disorder program.

NOTE Confidence: 0.42499447

00:05:27.280 --> 00:05:28.496 And then Amanda Calhoun.

NOTE Confidence: 0.42499447

00:05:28.496 --> 00:05:28.800 Dr.

NOTE Confidence: 0.42499447

00:05:28.800 --> 00:05:31.992 Calhoun is our Chief resident in Child

NOTE Confidence: 0.42499447

00:05:31.992 --> 00:05:35.560 Psychiatry in the SOLNIT Integrated Program.

NOTE Confidence: 0.42499447

00:05:35.560 --> 00:05:38.204 So let me turn our panel or turn

NOTE Confidence: 0.42499447

00:05:38.204 --> 00:05:40.314 it over to our panelists.

NOTE Confidence: 0.42499447

00:05:40.320 --> 00:05:40.902 And Aarti,

NOTE Confidence: 0.42499447

00:05:40.902 --> 00:05:42.357 may I turn to you?

NOTE Confidence: 0.44925913

00:05:43.760 --> 00:05:45.608 Yes, absolutely. Hi, everyone.

NOTE Confidence: 0.44925913

00:05:45.608 --> 00:05:49.439 I'm so grateful to be starting us off today.

NOTE Confidence: 0.44925913

00:05:49.440 --> 00:05:51.600 My name is Aarti, just like Linda mentioned,

NOTE Confidence: 0.44925913

00:05:51.600 --> 00:05:53.556 and I'm a pediatric health psychologist,

NOTE Confidence: 0.44925913

00:05:53.560 --> 00:05:56.416 which really means that I focus on the

NOTE Confidence: 0.44925913

00:05:56.416 --> 00:05:58.520 intersection of health and behavior,

NOTE Confidence: 0.44925913

00:05:58.520 --> 00:06:00.302 really on how we can adjust

NOTE Confidence: 0.44925913

00:06:00.302 --> 00:06:01.193 to medical conditions,

NOTE Confidence: 0.44925913

00:06:01.200 --> 00:06:04.035 but also how behavior can really impact

NOTE Confidence: 0.44925913

00:06:04.035 --> 00:06:06.440 physical change in physical health.

NOTE Confidence: 0.44925913

00:06:06.440 --> 00:06:08.910 My interest in this started in grad school,

NOTE Confidence: 0.44925913

00:06:08.910 --> 00:06:11.490 but really blossomed into two specific

NOTE Confidence: 0.44925913

00:06:11.490 --> 00:06:14.080 areas while I was in residency.

NOTE Confidence: 0.44925913

00:06:14.080 --> 00:06:15.240 While I was at Hopkins,

NOTE Confidence: 0.44925913

00:06:15.240 --> 00:06:17.856 I was exposed to paediatric Chronic

NOTE Confidence: 0.44925913

00:06:17.856 --> 00:06:19.600 pain and Paediatric Functional

NOTE Confidence: 0.44925913

00:06:19.669 --> 00:06:21.520 Neurologic Symptom Disorder,

NOTE Confidence: 0.44925913

00:06:21.520 --> 00:06:23.160 or FNSD for short.

NOTE Confidence: 0.44925913

00:06:23.160 --> 00:06:25.880 These two conditions are quite different,

NOTE Confidence: 0.44925913

00:06:25.880 --> 00:06:28.000 but their impact on kids,

NOTE Confidence: 0.44925913

00:06:28.000 --> 00:06:31.480 teens and their families are profound.

NOTE Confidence: 0.44925913

00:06:31.480 --> 00:06:33.588 I I can talk about stats or numbers,

NOTE Confidence: 0.44925913

00:06:33.588 --> 00:06:35.952 but I would love instead today

NOTE Confidence: 0.44925913

00:06:35.952 --> 00:06:38.399 to talk about two such kids,

NOTE Confidence: 0.44925913

00:06:38.400 --> 00:06:39.940 one in each of those categories,

NOTE Confidence: 0.44925913

00:06:39.940 --> 00:06:42.808 with each of those conditions and kind of

NOTE Confidence: 0.44925913

00:06:42.808 --> 00:06:46.000 their experience and then our work together.

NOTE Confidence: 0.44925913

00:06:46.000 --> 00:06:49.303 So for one, there's a 17 year old young

NOTE Confidence: 0.44925913

00:06:49.303 --> 00:06:51.629 man who had chronic daily migraine.

NOTE Confidence: 0.44925913

00:06:51.629 --> 00:06:55.372 He was in the 11th grade at an

NOTE Confidence: 0.44925913

00:06:55.372 --> 00:06:58.160 incredibly competitive boarding school,

NOTE Confidence: 0.44925913

00:06:58.160 --> 00:06:59.508 previously very high achieving.

NOTE Confidence: 0.44925913

00:06:59.508 --> 00:07:02.203 He missed a good chunk of his 10th

NOTE Confidence: 0.44925913

00:07:02.203 --> 00:07:04.015 grade year because of his migraines

NOTE Confidence: 0.44925913

00:07:04.015 --> 00:07:05.710 and he unfortunately was starting

NOTE Confidence: 0.44925913

00:07:05.710 --> 00:07:08.389 off his junior year in the same way.

NOTE Confidence: 0.44925913

00:07:08.389 --> 00:07:11.760 So when I met him in fall of his junior year,

NOTE Confidence: 0.44925913

00:07:11.760 --> 00:07:13.398 he'd been missing a lot of school.

NOTE Confidence: 0.44925913

00:07:13.400 --> 00:07:15.344 He'd been going home because of

NOTE Confidence: 0.44925913

00:07:15.344 --> 00:07:16.640 his headaches and migraines.

NOTE Confidence: 0.44925913

00:07:16.640 --> 00:07:19.480 His school staff weren't sure what to do.

NOTE Confidence: 0.44925913

00:07:19.480 --> 00:07:21.856 His parents were at a loss and it felt

NOTE Confidence: 0.44925913

00:07:21.856 --> 00:07:24.074 like all the things he'd worked for

NOTE Confidence: 0.44925913

00:07:24.074 --> 00:07:26.440 were kind of falling apart around him.

NOTE Confidence: 0.44925913

00:07:26.440 --> 00:07:28.792 And we move over to a 13 year

NOTE Confidence: 0.44925913

00:07:28.792 --> 00:07:30.240 old girl with FNSD.

NOTE Confidence: 0.44925913

00:07:30.240 --> 00:07:32.560 She was lovely and vibrant,

NOTE Confidence: 0.44925913

00:07:32.560 --> 00:07:36.221 was involved in karate and loved teaching

NOTE Confidence: 0.44925913

00:07:36.221 --> 00:07:39.959 the younger kids in in her karate class.

NOTE Confidence: 0.44925913

00:07:39.960 --> 00:07:42.678 But she developed FNSD and her

NOTE Confidence: 0.44925913

00:07:42.680 --> 00:07:44.892 specific type of FNSD were these

NOTE Confidence: 0.44925913

00:07:44.892 --> 00:07:47.208 episodes that looked like they were

NOTE Confidence: 0.44925913

00:07:47.208 --> 00:07:49.559 seizures but they weren't epileptic.

NOTE Confidence: 0.44925913

00:07:49.560 --> 00:07:52.200 So everything in her body was safe.

NOTE Confidence: 0.44925913

00:07:52.200 --> 00:07:54.688 Her imaging her lab work was good and

NOTE Confidence: 0.44925913

00:07:54.688 --> 00:07:57.439 clean and nothing dangerous was going on,

NOTE Confidence: 0.44925913

00:07:57.440 --> 00:07:59.806 but these episodes were so challenging,

NOTE Confidence: 0.44925913

00:07:59.806 --> 00:08:02.218 her school didn't again know what

NOTE Confidence: 0.44925913

00:08:02.218 --> 00:08:04.815 to do and so she was home for

NOTE Confidence: 0.44925913

00:08:04.815 --> 00:08:07.000 about two months before I met her.

NOTE Confidence: 0.44925913

00:08:07.000 --> 00:08:09.136 Her mom had been told by an outside

NOTE Confidence: 0.44925913

00:08:09.136 --> 00:08:10.648 hospital that she will need to

NOTE Confidence: 0.44925913

00:08:10.648 --> 00:08:12.736 quit her job or have some sort of

NOTE Confidence: 0.44925913

00:08:12.736 --> 00:08:14.371 family medical leave because her

NOTE Confidence: 0.44925913

00:08:14.371 --> 00:08:17.919 daughter will never be the same.

NOTE Confidence: 0.44925913

00:08:17.920 --> 00:08:19.904 I had the pleasure of working with both

NOTE Confidence: 0.44925913

00:08:19.904 --> 00:08:21.958 of those teenagers and their families,

NOTE Confidence: 0.44925913

00:08:21.960 --> 00:08:25.160 and their life completely shifted.

NOTE Confidence: 0.44925913

00:08:25.160 --> 00:08:27.155 They allowed me to join with them.

NOTE Confidence: 0.44925913

00:08:27.160 --> 00:08:29.272 He the 17 year old completed

NOTE Confidence: 0.44925913

00:08:29.272 --> 00:08:30.680 high school and actually,

NOTE Confidence: 0.44925913

00:08:30.680 --> 00:08:32.360 about a year after our work together,

NOTE Confidence: 0.44925913

00:08:32.360 --> 00:08:34.859 his mom sent me a lovely e-mail

NOTE Confidence: 0.44925913

00:08:34.859 --> 00:08:37.175 with his college essay that

NOTE Confidence: 0.44925913

00:08:37.175 --> 00:08:38.918 explained that unexpectedly,

NOTE Confidence: 0.44925913

00:08:38.920 --> 00:08:41.000 his psychologist helped him understand

NOTE Confidence: 0.44925913

00:08:41.000 --> 00:08:43.080 how to manage his migraines.

NOTE Confidence: 0.44925913

00:08:43.080 --> 00:08:44.880 The young girl was able

NOTE Confidence: 0.44925913

00:08:44.880 --> 00:08:46.320 to finish middle school,

NOTE Confidence: 0.44925913

00:08:46.320 --> 00:08:48.165 start high school and jump

NOTE Confidence: 0.44925913

00:08:48.165 --> 00:08:50.010 right back into karate and

NOTE Confidence: 0.90113527

00:08:50.080 --> 00:08:52.565 doing all the things that are much

NOTE Confidence: 0.90113527

00:08:52.565 --> 00:08:54.853 cooler than than I am or that

NOTE Confidence: 0.90113527

00:08:54.853 --> 00:08:57.160 I can understand their lives.

NOTE Confidence: 0.90113527

00:08:57.160 --> 00:08:59.526 Kind of fell off the track for

NOTE Confidence: 0.90113527

00:08:59.526 --> 00:09:02.649 a bit but were able to go right

NOTE Confidence: 0.90113527

00:09:02.649 --> 00:09:04.674 back on and be fulfilling.

NOTE Confidence: 0.90113527

00:09:04.680 --> 00:09:07.643 I don't think that them falling off

NOTE Confidence: 0.90113527

00:09:07.643 --> 00:09:10.049 course or misinformation by anyone at

NOTE Confidence: 0.90113527

00:09:10.049 --> 00:09:13.157 any other hospital system was intentional.

NOTE Confidence: 0.90113527

00:09:13.160 --> 00:09:16.010 These things are complex and

NOTE Confidence: 0.90113527

00:09:16.010 --> 00:09:17.720 access to conferences,

NOTE Confidence: 0.90113527

00:09:17.720 --> 00:09:20.340 access to colleagues and collaborators is

NOTE Confidence: 0.90113527

00:09:20.340 --> 00:09:23.637 really the way that we remain up to date.

NOTE Confidence: 0.90113527

00:09:23.640 --> 00:09:25.360 I have been fortunate through

NOTE Confidence: 0.90113527

00:09:25.360 --> 00:09:27.494 faculty development funds to be able

NOTE Confidence: 0.90113527

00:09:27.494 --> 00:09:29.594 to attend conferences where I am

NOTE Confidence: 0.90113527

00:09:29.594 --> 00:09:31.371 on leadership committees for FNSC

NOTE Confidence: 0.90113527

00:09:31.371 --> 00:09:32.703 and for disseminating information

NOTE Confidence: 0.90113527

00:09:32.703 --> 00:09:34.407 that is based in science.

NOTE Confidence: 0.90113527

00:09:34.407 --> 00:09:36.976 I have been able to meet with

NOTE Confidence: 0.90113527

00:09:36.976 --> 00:09:39.142 colleagues at other hospitals and

NOTE Confidence: 0.90113527

00:09:39.142 --> 00:09:41.402 medical systems that implement the

NOTE Confidence: 0.90113527

00:09:41.402 --> 00:09:44.356 same pain workshop that I direct here.

NOTE Confidence: 0.90113527

00:09:44.360 --> 00:09:48.176 I was able to earn a pilot internal

NOTE Confidence: 0.90113527

00:09:48.176 --> 00:09:51.617 grant to kind of improve my research

NOTE Confidence: 0.90113527

00:09:51.617 --> 00:09:56.120 skills and then apply for an NIH funded

NOTE Confidence: 0.90113527

00:09:56.120 --> 00:09:58.640 grant on pediatric FND with colleagues.

NOTE Confidence: 0.90113527

00:09:58.640 --> 00:10:00.992 That ended up becoming the first

NOTE Confidence: 0.90113527

00:10:00.992 --> 00:10:03.288 and only pediatric FND study funded

NOTE Confidence: 0.90113527

00:10:03.288 --> 00:10:04.918 to date by the NIH.

NOTE Confidence: 0.90113527

00:10:04.920 --> 00:10:06.678 And these are all such exciting

NOTE Confidence: 0.90113527

00:10:06.678 --> 00:10:08.342 and wonderful things that I would

NOTE Confidence: 0.90113527

00:10:08.342 --> 00:10:10.070 not have been able to do and would

NOTE Confidence: 0.90113527

00:10:10.126 --> 00:10:11.814 not be able to have the reach that

NOTE Confidence: 0.90113527

00:10:11.814 --> 00:10:14.325 I have because of the support of

NOTE Confidence: 0.90113527

00:10:14.325 --> 00:10:15.993 those internally and externally.

NOTE Confidence: 0.90113527

00:10:16.000 --> 00:10:19.060 So thank you and I I am so excited to

NOTE Confidence: 0.90113527

00:10:19.147 --> 00:10:21.662 continue to provide these families and

NOTE Confidence: 0.90113527

00:10:21.662 --> 00:10:24.280 join with them in order to improve their,

NOTE Confidence: 0.90113527

00:10:24.280 --> 00:10:26.878 their lives and their kids lives.

NOTE Confidence: 0.90113527

00:10:26.880 --> 00:10:27.518 With that,

NOTE Confidence: 0.90113527

00:10:27.518 --> 00:10:29.751 I passed it along to Carrie for

NOTE Confidence: 0.90113527

00:10:29.751 --> 00:10:32.160 the fantastic work that she does.

NOTE Confidence: 0.90113527

00:10:32.160 --> 00:10:32.400 Thank

NOTE Confidence: 0.76005095

00:10:32.400 --> 00:10:33.078 you so much.

NOTE Confidence: 0.47041437

00:10:35.160 --> 00:10:36.845 I'm Carrie Epstein. As I said, I'm.

NOTE Confidence: 0.47041437

00:10:36.845 --> 00:10:38.560 I'm the Co director of the Yale

NOTE Confidence: 0.47041437

00:10:38.560 --> 00:10:40.086 Center for Traumatic Stress and

NOTE Confidence: 0.47041437

00:10:40.086 --> 00:10:42.036 Recovery at the Child Study Center.

NOTE Confidence: 0.47041437

00:10:42.040 --> 00:10:44.840 It was a wonderful story to follow up.

NOTE Confidence: 0.47041437

00:10:44.840 --> 00:10:46.737 I'd like to tell you the story

NOTE Confidence: 0.47041437

00:10:46.737 --> 00:10:48.560 of the power of partnership.

NOTE Confidence: 0.47041437

00:10:48.560 --> 00:10:50.288 So way back at the start

NOTE Confidence: 0.47041437

00:10:50.288 --> 00:10:52.240 of my career in the 1980s,

NOTE Confidence: 0.47041437

00:10:52.240 --> 00:10:55.412 I was working as a psychotherapist in the

NOTE Confidence: 0.47041437

00:10:55.412 --> 00:10:57.834 first paediatric AIDS clinic in the country.

NOTE Confidence: 0.47041437

00:10:57.840 --> 00:10:59.070 And back then,

NOTE Confidence: 0.47041437

00:10:59.070 --> 00:11:01.120 pediatric AIDS was really terrifying.

NOTE Confidence: 0.47041437

00:11:01.120 --> 00:11:02.760 It was stigmatizing and all

NOTE Confidence: 0.47041437

00:11:02.760 --> 00:11:04.400 too often it was fatal.

NOTE Confidence: 0.47041437

00:11:04.400 --> 00:11:06.992 And there were days when I felt really lost,

NOTE Confidence: 0.47041437

00:11:07.000 --> 00:11:09.736 not sure how or even if I

NOTE Confidence: 0.47041437

00:11:09.736 --> 00:11:11.240 could help my patients.

NOTE Confidence: 0.47041437

00:11:11.240 --> 00:11:13.960 And one of my patients was 8 year old Johnny

NOTE Confidence: 0.47041437

00:11:14.028 --> 00:11:16.317 who was really wise beyond his years.

NOTE Confidence: 0.47041437

00:11:16.320 --> 00:11:18.427 And when I asked him about his

NOTE Confidence: 0.47041437

00:11:18.427 --> 00:11:20.479 experience of being a child with AIDS,

NOTE Confidence: 0.47041437

00:11:20.480 --> 00:11:22.140 you know, he told me, you know,

NOTE Confidence: 0.47041437

00:11:22.140 --> 00:11:23.520 people look like right through me,

NOTE Confidence: 0.47041437

00:11:23.520 --> 00:11:24.616 like I don't exist,

NOTE Confidence: 0.47041437

00:11:24.616 --> 00:11:26.260 and they turn the other way

NOTE Confidence: 0.47041437

00:11:26.320 --> 00:11:27.720 when they see me coming.

NOTE Confidence: 0.47041437

00:11:27.720 --> 00:11:28.760 And in that moment,

NOTE Confidence: 0.47041437

00:11:28.760 --> 00:11:29.486 as I listened,

NOTE Confidence: 0.47041437

00:11:29.486 --> 00:11:31.180 it was the first time I think

NOTE Confidence: 0.47041437

00:11:31.235 --> 00:11:32.849 that I realized that I began

NOTE Confidence: 0.47041437

00:11:32.849 --> 00:11:34.480 to understand my own feelings.

NOTE Confidence: 0.47041437

00:11:34.480 --> 00:11:36.455 Working with children who are

NOTE Confidence: 0.47041437

00:11:36.455 --> 00:11:38.035 really suffering sometimes made

NOTE Confidence: 0.47041437

00:11:38.035 --> 00:11:40.157 me feel helpless and hopeless,

NOTE Confidence: 0.47041437

00:11:40.160 --> 00:11:42.140 and sometimes they felt tempted

NOTE Confidence: 0.47041437

00:11:42.140 --> 00:11:44.120 to protect myself from those

NOTE Confidence: 0.47041437

00:11:44.189 --> 00:11:45.837 feelings by turning away.

NOTE Confidence: 0.47041437

00:11:45.840 --> 00:11:47.665 And Johnny's insight really showed

NOTE Confidence: 0.47041437

00:11:47.665 --> 00:11:50.647 me that I had to fundamentally change

NOTE Confidence: 0.47041437

00:11:50.647 --> 00:11:53.362 my perspective and instead focus

NOTE Confidence: 0.47041437

00:11:53.362 --> 00:11:55.716 my professional energy on finding

NOTE Confidence: 0.47041437

00:11:55.716 --> 00:11:57.809 ways to decrease the isolation

NOTE Confidence: 0.47041437

00:11:57.809 --> 00:11:59.741 and suffering of traumatized

NOTE Confidence: 0.47041437

00:11:59.741 --> 00:12:02.120 children like Johnny and develop

NOTE Confidence: 0.47041437

00:12:02.120 --> 00:12:03.836 therapeutic approaches to help

NOTE Confidence: 0.47041437

00:12:03.836 --> 00:12:06.062 them heal and recover and overtime,

NOTE Confidence: 0.47041437

00:12:06.062 --> 00:12:07.317 that's just what I did.

NOTE Confidence: 0.47041437

00:12:07.320 --> 00:12:09.441 So Fast forward to about 14 years

NOTE Confidence: 0.47041437

00:12:09.441 --> 00:12:11.547 ago when I joined the trauma

NOTE Confidence: 0.47041437

00:12:11.547 --> 00:12:13.797 team at the Child Study Center.

NOTE Confidence: 0.47041437

00:12:13.800 --> 00:12:15.875 We've developed a ground breaking

NOTE Confidence: 0.47041437

00:12:15.875 --> 00:12:17.120 mental health treatment,

NOTE Confidence: 0.47041437

00:12:17.120 --> 00:12:20.025 a therapy called the Child and Family

NOTE Confidence: 0.47041437

00:12:20.025 --> 00:12:21.960 Traumatic Stress Intervention or CF TSI.

NOTE Confidence: 0.47041437

00:12:21.960 --> 00:12:23.990 Our bottle focuses on helping

NOTE Confidence: 0.47041437

00:12:23.990 --> 00:12:25.614 children communicate more effectively

NOTE Confidence: 0.47041437

00:12:25.614 --> 00:12:27.814 with their caregivers about their

NOTE Confidence: 0.47041437

00:12:27.814 --> 00:12:28.680 trauma reactions,

NOTE Confidence: 0.47041437

00:12:28.680 --> 00:12:30.320 teaching them coping strategies

NOTE Confidence: 0.47041437

00:12:30.320 --> 00:12:32.370 to decrease those reactions and

NOTE Confidence: 0.47041437

00:12:32.370 --> 00:12:34.080 really helping them recover.

NOTE Confidence: 0.47041437

00:12:34.080 --> 00:12:34.929 From the outset,

NOTE Confidence: 0.47041437

00:12:34.929 --> 00:12:36.344 we were committed to research

NOTE Confidence: 0.47041437

00:12:36.344 --> 00:12:38.240 because we wanted to be absolutely

NOTE Confidence: 0.47041437

00:12:38.240 --> 00:12:39.840 sure that our intervention worked.

NOTE Confidence: 0.47041437

00:12:39.840 --> 00:12:42.864 We wanted to know that CFTSI was

NOTE Confidence: 0.47041437

00:12:42.864 --> 00:12:44.620 effective in reducing children's

NOTE Confidence: 0.47041437

00:12:44.620 --> 00:12:46.460 symptoms after traumatic experience

NOTE Confidence: 0.47041437

00:12:46.460 --> 00:12:48.760 and interrupting PTSD from developing.

00:12:48.760 --> 00:12:50.920 And that's exactly what we found.

00:12:50.920 --> 00:12:54.240 Our model is brief, 5 to 8 sessions.

00:12:54.240 --> 00:12:56.264 It's powerful and effective.

00:12:56.264 --> 00:12:58.180 It works. So there we were.

00:12:58.180 --> 00:12:59.080 We had an important,

00:12:59.080 --> 00:13:00.980 effective way to help children

00:13:00.980 --> 00:13:02.120 who undergone trauma,

00:13:02.120 --> 00:13:04.160 but the only way we had to get it out

00:13:04.225 --> 00:13:06.439 there in the world was by word of mouth.

00:13:06.440 --> 00:13:07.600 We knew how to research,

00:13:07.600 --> 00:13:10.280 we knew how to develop a treatment method,

00:13:10.280 --> 00:13:11.924 but we still didn't have the

00:13:11.924 --> 00:13:14.071 skill set to connect with a much

00:13:14.071 --> 00:13:15.716 broader number of child therapists.

00:13:15.720 --> 00:13:17.204 And then something very

00:13:17.204 --> 00:13:18.317 critically important happened.

NOTE Confidence: 0.47041437

00:13:18.320 --> 00:13:21.119 I It was introduced to a woman named Nancy,

NOTE Confidence: 0.47041437

00:13:21.120 --> 00:13:22.740 and she started peppering me

NOTE Confidence: 0.47041437

00:13:22.740 --> 00:13:24.360 with questions about my work.

NOTE Confidence: 0.47041437

00:13:24.360 --> 00:13:25.837 She wasn't an expert in the field,

NOTE Confidence: 0.8962323

00:13:25.840 --> 00:13:27.680 but she was deeply interested.

NOTE Confidence: 0.8962323

00:13:27.680 --> 00:13:29.360 You know, how did the treatment work?

NOTE Confidence: 0.8962323

00:13:29.360 --> 00:13:30.956 What did the evidence tell us?

NOTE Confidence: 0.8962323

00:13:30.960 --> 00:13:33.192 You know, how is it playing out with kids,

NOTE Confidence: 0.8962323

00:13:33.200 --> 00:13:34.296 participate in the treatment?

NOTE Confidence: 0.8962323

00:13:34.296 --> 00:13:36.640 And toward the end of our conversation,

NOTE Confidence: 0.8962323

00:13:36.640 --> 00:13:38.850 Nancy told me that she had an idea for how

NOTE Confidence: 0.8962323

00:13:38.910 --> 00:13:41.017 to unlock the potential of our treatment

NOTE Confidence: 0.8962323

00:13:41.017 --> 00:13:43.263 model by getting it out to a vastly

NOTE Confidence: 0.8962323

00:13:43.263 --> 00:13:44.906 greater number of children and families.

NOTE Confidence: 0.8962323

00:13:44.906 --> 00:13:47.440 And a few days later, Nancy introduced

NOTE Confidence: 0.8962323

00:13:47.440 --> 00:13:50.240 me to a woman named Teresa Huizar.

NOTE Confidence: 0.8962323

00:13:50.240 --> 00:13:51.980 Teresa is an internationally

NOTE Confidence: 0.8962323

00:13:51.980 --> 00:13:54.155 recognized expert in child abuse,

NOTE Confidence: 0.8962323

00:13:54.160 --> 00:13:57.023 and she's the CEO of a professional

NOTE Confidence: 0.8962323

00:13:57.023 --> 00:13:59.077 membership organization that includes a

NOTE Confidence: 0.8962323

00:13:59.077 --> 00:14:01.716 network of 1000 centers that provide services

NOTE Confidence: 0.8962323

00:14:01.716 --> 00:14:04.596 to children impacted by trauma and abuse.

NOTE Confidence: 0.8962323

00:14:04.600 --> 00:14:06.602 So what that means is that if

NOTE Confidence: 0.8962323

00:14:06.602 --> 00:14:08.411 Teresa supports an approach to

NOTE Confidence: 0.8962323

00:14:08.411 --> 00:14:10.195 therapy for traumatized children,

NOTE Confidence: 0.8962323

00:14:10.200 --> 00:14:11.958 thousands of people learn about it.

NOTE Confidence: 0.8962323

00:14:11.960 --> 00:14:13.700 And because of Nancy,

NOTE Confidence: 0.8962323

00:14:13.700 --> 00:14:15.440 Teresa really understood the

NOTE Confidence: 0.8962323

00:14:15.440 --> 00:14:16.999 importance of our work.

NOTE Confidence: 0.8962323

00:14:17.000 --> 00:14:18.920 So once Teresa connected with us,

NOTE Confidence: 0.8962323

00:14:18.920 --> 00:14:21.050 the demand for trainings in our

NOTE Confidence: 0.8962323

00:14:21.050 --> 00:14:22.470 treatment ramped up dramatically

NOTE Confidence: 0.8962323

00:14:22.530 --> 00:14:24.665 and our reach and influence in the

NOTE Confidence: 0.8962323

00:14:24.665 --> 00:14:26.538 United States became so strong and

NOTE Confidence: 0.8962323

00:14:26.538 --> 00:14:28.332 so vibrant that request for training

NOTE Confidence: 0.8962323

00:14:28.332 --> 00:14:31.118 now come from all over the world.

NOTE Confidence: 0.8962323

00:14:31.120 --> 00:14:32.590 The connection that Nancy made

NOTE Confidence: 0.8962323

00:14:32.590 --> 00:14:34.800 for us changed my career and the

NOTE Confidence: 0.8962323

00:14:34.800 --> 00:14:36.515 trajectory of our treatment approach.

NOTE Confidence: 0.8962323

00:14:36.520 --> 00:14:38.858 And it's meant that thousands and thousands

NOTE Confidence: 0.8962323

00:14:38.858 --> 00:14:41.216 of children have been given the help

NOTE Confidence: 0.8962323

00:14:41.216 --> 00:14:43.154 they need after experiencing a trauma.

NOTE Confidence: 0.8962323

00:14:43.160 --> 00:14:45.158 And I want to mention one last thing today,

NOTE Confidence: 0.8962323

00:14:45.160 --> 00:14:47.320 which is that an associate and a recent

NOTE Confidence: 0.8962323

00:14:47.320 --> 00:14:49.180 donor and partner to our work shared

NOTE Confidence: 0.8962323

00:14:49.180 --> 00:14:51.780 with us that he had gone through his

NOTE Confidence: 0.8962323

00:14:51.780 --> 00:14:53.480 own significant traumatic experience.

NOTE Confidence: 0.8962323

00:14:53.480 --> 00:14:55.856 And that in addition he's the

NOTE Confidence: 0.8962323

00:14:55.856 --> 00:14:57.440 child of Holocaust survivors.

NOTE Confidence: 0.8962323

00:14:57.440 --> 00:14:59.996 And he told us that seeing the impact of

NOTE Confidence: 0.8962323

00:14:59.996 --> 00:15:02.439 his parents inability to address their

NOTE Confidence: 0.8962323

00:15:02.439 --> 00:15:05.120 trauma inspired him to address his own.

NOTE Confidence: 0.8962323

00:15:05.120 --> 00:15:06.328 And at the time,

NOTE Confidence: 0.8962323

00:15:06.328 --> 00:15:08.140 I think he couldn't have fully

NOTE Confidence: 0.8962323

00:15:08.206 --> 00:15:10.672 known that his description of his

NOTE Confidence: 0.8962323

00:15:10.672 --> 00:15:12.775 personal and family experience it

NOTE Confidence: 0.8962323

00:15:12.775 --> 00:15:15.505 really so movingly and so deeply

NOTE Confidence: 0.8962323

00:15:15.505 --> 00:15:17.880 articulates the mission of our work.

NOTE Confidence: 0.8962323

00:15:17.880 --> 00:15:19.190 And as I'm talking about

NOTE Confidence: 0.8962323

00:15:19.190 --> 00:15:20.238 the power of partnerships,

NOTE Confidence: 0.8962323

00:15:20.240 --> 00:15:21.800 I think I'd be remiss if I didn't

NOTE Confidence: 0.8962323

00:15:21.800 --> 00:15:23.178 mention some of our partnerships that

NOTE Confidence: 0.8962323

00:15:23.178 --> 00:15:24.840 have been so meaningful to our work,

NOTE Confidence: 0.8962323

00:15:24.840 --> 00:15:26.700 including the Harris Foundation

NOTE Confidence: 0.8962323

00:15:26.700 --> 00:15:28.560 and the Israel Foundation.

NOTE Confidence: 0.8962323

00:15:28.560 --> 00:15:31.269 With supports of many partners in the

NOTE Confidence: 0.8962323

00:15:31.269 --> 00:15:33.640 extended child study center community,

NOTE Confidence: 0.8962323

00:15:33.640 --> 00:15:35.887 we've had the opportunity to turn toward

NOTE Confidence: 0.8962323

00:15:35.887 --> 00:15:38.291 rather than away from the children and

NOTE Confidence: 0.8962323

00:15:38.291 --> 00:15:40.355 families who we're all concerned about.

NOTE Confidence: 0.8962323

00:15:40.360 --> 00:15:42.000 And as we've learned more,

NOTE Confidence: 0.8962323

00:15:42.000 --> 00:15:43.986 we've also grown more effective in

NOTE Confidence: 0.8962323

00:15:43.986 --> 00:15:45.797 our efforts to develop effective

NOTE Confidence: 0.8962323

00:15:45.797 --> 00:15:47.917 treatment approaches that help children

NOTE Confidence: 0.8962323

00:15:47.917 --> 00:15:50.199 recover from the impact of trauma

NOTE Confidence: 0.8962323

00:15:50.200 --> 00:15:52.720 that could otherwise last a lifetime.

NOTE Confidence: 0.8962323

00:15:52.720 --> 00:15:54.478 So it's really in my mind,

NOTE Confidence: 0.8962323

00:15:54.480 --> 00:15:56.334 it's the power of partnership that

NOTE Confidence: 0.8962323

00:15:56.334 --> 00:15:58.200 brought us where we are today.

NOTE Confidence: 0.8962323

00:15:58.200 --> 00:16:00.545 And it's the power of partnership that

NOTE Confidence: 0.8962323

00:16:00.545 --> 00:16:02.808 will take us through the next phase

NOTE Confidence: 0.8962323

00:16:02.808 --> 00:16:05.393 of our work as we work to bring CF

NOTE Confidence: 0.8962323

00:16:05.393 --> 00:16:07.560 TSI to additional and new communities

NOTE Confidence: 0.8962323

00:16:07.560 --> 00:16:10.000 not only across the United States,

NOTE Confidence: 0.8962323

00:16:10.000 --> 00:16:10.800 really been around the world.

NOTE Confidence: 0.8962323

00:16:10.800 --> 00:16:12.655 So this is the work that I'm

NOTE Confidence: 0.8962323

00:16:12.655 --> 00:16:13.450 passionate about and

NOTE Confidence: 0.4088026

00:16:13.510 --> 00:16:15.364 I'm so grateful to our partners

NOTE Confidence: 0.4088026

00:16:15.364 --> 00:16:16.600 for supporting this work.

NOTE Confidence: 0.4088026

00:16:16.600 --> 00:16:19.210 And I really want to thank you for letting

NOTE Confidence: 0.4088026

00:16:19.210 --> 00:16:21.636 me share this story with you today.

NOTE Confidence: 0.4088026

00:16:21.640 --> 00:16:22.950 And now you'll be hearing

NOTE Confidence: 0.4088026

00:16:22.950 --> 00:16:23.998 from Doctor Carla Marron,

NOTE Confidence: 0.4088026

00:16:24.000 --> 00:16:26.264 who's assistant professor and

NOTE Confidence: 0.4088026

00:16:26.264 --> 00:16:28.171 licensed psychologist and in the

NOTE Confidence: 0.4088026

00:16:28.171 --> 00:16:29.640 Anxiety and Mood Disorders Program.

NOTE Confidence: 0.4088026

00:16:31.760 --> 00:16:35.160 Thank you, Carrie. Good afternoon, everyone.

NOTE Confidence: 0.78104323

00:16:35.160 --> 00:16:36.872 Yes, I'm Carla Marine,

NOTE Confidence: 0.78104323

00:16:36.872 --> 00:16:38.156 an assistant professor.

NOTE Confidence: 0.78104323

00:16:38.160 --> 00:16:40.290 We're in the Anxiety and Mood

NOTE Confidence: 0.78104323

00:16:40.290 --> 00:16:42.160 Disorders program where I provide

NOTE Confidence: 0.78104323

00:16:42.160 --> 00:16:44.380 clinical services and where

NOTE Confidence: 0.78104323

00:16:44.380 --> 00:16:47.155 I'm also engaged in research.

NOTE Confidence: 0.78104323

00:16:47.160 --> 00:16:48.588 Before I tell you about why

NOTE Confidence: 0.78104323

00:16:48.588 --> 00:16:50.240 I do the work that I do,

NOTE Confidence: 0.78104323

00:16:50.240 --> 00:16:53.816 I would like to briefly share a personal

NOTE Confidence: 0.78104323

00:16:53.816 --> 00:16:56.120 story about a very close family member.

NOTE Confidence: 0.78104323

00:16:56.120 --> 00:16:58.572 She is 12 years old,

NOTE Confidence: 0.78104323

00:16:58.572 --> 00:17:00.704 first generation Hispanic immigrant

NOTE Confidence: 0.78104323

00:17:00.704 --> 00:17:03.878 whose parents do not speak any English.

NOTE Confidence: 0.78104323

00:17:03.880 --> 00:17:06.232 So a school trip was planned to

NOTE Confidence: 0.78104323

00:17:06.232 --> 00:17:08.758 visit the Vizcaya Gardens in Miami,

NOTE Confidence: 0.78104323

00:17:08.760 --> 00:17:10.076 which are really beautiful.

NOTE Confidence: 0.78104323

00:17:10.076 --> 00:17:13.239 I don't know if any of you have visited,

NOTE Confidence: 0.78104323

00:17:13.240 --> 00:17:16.628 but she was petrified to go on

NOTE Confidence: 0.78104323

00:17:16.628 --> 00:17:19.220 the school trip and after weeks

NOTE Confidence: 0.78104323

00:17:19.220 --> 00:17:21.880 of really trying to work up the

NOTE Confidence: 0.78104323

00:17:21.968 --> 00:17:24.560 courage to speak to her teacher,

NOTE Confidence: 0.78104323

00:17:24.560 --> 00:17:27.530 she finally approaches her and simply

NOTE Confidence: 0.78104323

00:17:27.530 --> 00:17:30.800 expresses that she's feeling very sad,

NOTE Confidence: 0.78104323

00:17:30.800 --> 00:17:34.498 does not want to go on the school trip now.

NOTE Confidence: 0.78104323

00:17:34.498 --> 00:17:36.864 She also shared with me that she

NOTE Confidence: 0.78104323

00:17:36.864 --> 00:17:38.907 didn't want to go because there

NOTE Confidence: 0.78104323

00:17:38.907 --> 00:17:41.270 would be too many kids that she

NOTE Confidence: 0.78104323

00:17:41.270 --> 00:17:44.135 didn't know and she would be really

NOTE Confidence: 0.78104323

00:17:44.135 --> 00:17:45.848 uncomfortable with this anyway.

NOTE Confidence: 0.78104323

00:17:45.848 --> 00:17:49.112 Her teacher told her you'll be all right

NOTE Confidence: 0.78104323

00:17:49.120 --> 00:17:52.837 and so she went because she's compliant,

NOTE Confidence: 0.78104323

00:17:52.840 --> 00:17:54.960 but she also hated it.

NOTE Confidence: 0.78104323

00:17:54.960 --> 00:17:58.306 She was riddled with so much anxiety

NOTE Confidence: 0.78104323

00:17:58.306 --> 00:18:01.210 following that school trip that she

NOTE Confidence: 0.78104323

00:18:01.210 --> 00:18:03.835 started to experience pretty significant

NOTE Confidence: 0.78104323

00:18:03.840 --> 00:18:07.596 stomach aches on most school days.

NOTE Confidence: 0.78104323

00:18:07.600 --> 00:18:08.180 Again,

NOTE Confidence: 0.78104323

00:18:08.180 --> 00:18:12.262 this 12 year old girl tells her teacher

NOTE Confidence: 0.78104323

00:18:12.262 --> 00:18:16.360 a few months later that she was lonely,

NOTE Confidence: 0.78104323

00:18:16.360 --> 00:18:19.288 but again her teacher did not

NOTE Confidence: 0.78104323

00:18:19.288 --> 00:18:22.840 recognize the signs and told her why

NOTE Confidence: 0.78104323

00:18:22.840 --> 00:18:25.960 don't you try making some friends?

NOTE Confidence: 0.78104323

00:18:25.960 --> 00:18:27.262 Well guess what?

NOTE Confidence: 0.78104323

00:18:27.262 --> 00:18:31.085 This 12 year old girl is my 41 year

NOTE Confidence: 0.78104323

00:18:31.085 --> 00:18:34.255 old sister and 20 years passed before

NOTE Confidence: 0.78104323

00:18:34.255 --> 00:18:37.334 she received adequate care for her

NOTE Confidence: 0.78104323

00:18:37.334 --> 00:18:39.958 debilitating anxiety and depression.

NOTE Confidence: 0.78104323

00:18:39.960 --> 00:18:40.974 And you know,

NOTE Confidence: 0.78104323

00:18:40.974 --> 00:18:43.002 although it has been decades since

NOTE Confidence: 0.78104323

00:18:43.002 --> 00:18:45.286 this incident and we have made

NOTE Confidence: 0.78104323

00:18:45.286 --> 00:18:47.166 significant strides in helping to

NOTE Confidence: 0.78104323

00:18:47.236 --> 00:18:49.684 identify and refer children with anxiety

NOTE Confidence: 0.78104323

00:18:49.684 --> 00:18:51.706 and other mental health concerns,

NOTE Confidence: 0.78104323

00:18:51.706 --> 00:18:54.408 what strikes me now as a clinician

NOTE Confidence: 0.78104323

00:18:54.408 --> 00:18:57.438 and as well as many of my other

NOTE Confidence: 0.78104323

00:18:57.438 --> 00:18:59.200 colleagues that I speak to,

NOTE Confidence: 0.78104323

00:18:59.200 --> 00:19:00.572 the clinician and researcher,

NOTE Confidence: 0.78104323

00:19:00.572 --> 00:19:02.630 is that we continue to see

NOTE Confidence: 0.78104323

00:19:02.696 --> 00:19:04.226 similar stories in 2023,

NOTE Confidence: 0.78104323

00:19:04.226 --> 00:19:07.132 that is children not being referred or

NOTE Confidence: 0.78104323

00:19:07.132 --> 00:19:10.718 being able to access mental health services,

NOTE Confidence: 0.78104323

00:19:10.720 --> 00:19:13.192 particularly children from

NOTE Confidence: 0.78104323

00:19:13.192 --> 00:19:14.840 minority backgrounds.

NOTE Confidence: 0.78104323

00:19:14.840 --> 00:19:18.560 So yes, this is partly what drives my work.

NOTE Confidence: 0.78104323

00:19:18.560 --> 00:19:21.549 I have and feel privileged to be

NOTE Confidence: 0.78104323

00:19:21.549 --> 00:19:24.139 surrounded by so many talented

NOTE Confidence: 0.78104323

00:19:24.139 --> 00:19:28.208 colleagues who similarly share this passion.

NOTE Confidence: 0.78104323

00:19:28.208 --> 00:19:30.580 And most recently I was honored

NOTE Confidence: 0.78104323

00:19:30.580 --> 00:19:32.560 to receive the Viola Bernard Award

NOTE Confidence: 0.78104323

00:19:32.560 --> 00:19:35.168 to pilot a digital intervention

NOTE Confidence: 0.78104323

00:19:35.168 --> 00:19:37.456 that incorporates science based

NOTE Confidence: 0.78104323

00:19:37.456 --> 00:19:41.038 tools to teach parents how to help

NOTE Confidence: 0.78104323

00:19:41.038 --> 00:19:42.918 their child with anxiety.

34

NOTE Confidence: 0.78104323

00:19:42.920 --> 00:19:45.468 And what excites me about those this

NOTE Confidence: 0.78104323

00:19:45.468 --> 00:19:48.085 work is that it is specifically

NOTE Confidence: 0.78104323

00:19:48.085 --> 00:19:50.500 designed for Hispanic mothers of

NOTE Confidence: 0.78104323

00:19:50.500 --> 00:19:52.880 children with anxiety disorders.

NOTE Confidence: 0.78104323

00:19:52.880 --> 00:19:55.505 I am really excited about the project

NOTE Confidence: 0.78104323

00:19:55.505 --> 00:19:58.200 because it will allow me and our team

NOTE Confidence: 0.78104323

00:19:58.200 --> 00:20:00.832 to focus our work on learning how we

NOTE Confidence: 0.78104323

00:20:00.832 --> 00:20:02.996 can improve access to mental health

NOTE Confidence: 0.78104323

00:20:02.996 --> 00:20:05.760 care to so many children who need it.

NOTE Confidence: 0.78104323

00:20:05.760 --> 00:20:07.040 In fact, there's been,

NOTE Confidence: 0.78104323

00:20:07.040 --> 00:20:07.680 you know,

NOTE Confidence: 0.78104323

00:20:07.680 --> 00:20:10.930 papers showing that Hispanic children

NOTE Confidence: 0.78104323

00:20:10.930 --> 00:20:13.120 are particularly at risk for anxiety,

NOTE Confidence: 0.8614451

00:20:13.120 --> 00:20:15.850 which, by the way, is the most

NOTE Confidence: 0.8614451

00:20:15.850 --> 00:20:18.388 common mental health, the most

NOTE Confidence: 0.8614451

35

00:20:18.388 --> 00:20:20.600 prevalent mental health concern.

NOTE Confidence: 0.5031068

00:20:22.640 --> 00:20:25.220 I'm also really excited to start

NOTE Confidence: 0.5031068

00:20:25.220 --> 00:20:28.012 this project because it will give

NOTE Confidence: 0.5031068

00:20:28.012 --> 00:20:30.487 participants a voice in shaping

NOTE Confidence: 0.5031068

00:20:30.487 --> 00:20:32.928 the intervention to ensure that it

NOTE Confidence: 0.5031068

00:20:32.928 --> 00:20:35.100 is being delivered in a culturally

NOTE Confidence: 0.5031068

00:20:35.178 --> 00:20:37.476 sensitive way and that it really,

NOTE Confidence: 0.5031068

00:20:37.480 --> 00:20:40.400 you know, speaks to families.

NOTE Confidence: 0.5031068

00:20:40.400 --> 00:20:41.840 And so, of course,

NOTE Confidence: 0.5031068

00:20:41.840 --> 00:20:43.980 we hope that this initial pilot

NOTE Confidence: 0.5031068

00:20:43.980 --> 00:20:46.110 work study will lay the groundwork

NOTE Confidence: 0.5031068

00:20:46.175 --> 00:20:48.317 for our larger project where again,

NOTE Confidence: 0.5031068

00:20:48.320 --> 00:20:50.770 we can learn how not only to

NOTE Confidence: 0.5031068

00:20:50.770 --> 00:20:52.225 improve these treatments that

NOTE Confidence: 0.5031068

00:20:52.225 --> 00:20:53.880 we know work really well,

NOTE Confidence: 0.5031068

00:20:53.880 --> 00:20:57.040 but how to best disseminate them to

NOTE Confidence: 0.5031068

00:20:57.040 --> 00:21:00.400 reach as many families as possible.

NOTE Confidence: 0.5031068

00:21:00.400 --> 00:21:04.440 So thank you very much for your time.

NOTE Confidence: 0.5031068

00:21:04.440 --> 00:21:06.715 And now I think I'll pass it

NOTE Confidence: 0.5031068

00:21:06.715 --> 00:21:09.360 along to Doctor Amanda Calhoun.

NOTE Confidence: 0.7553972

00:21:12.160 --> 00:21:13.676 Thank you so much.

NOTE Confidence: 0.7553972

00:21:13.676 --> 00:21:17.158 I'm going to start us out with a quote.

NOTE Confidence: 0.7553972

00:21:17.160 --> 00:21:19.564 When we speak, we are afraid our

NOTE Confidence: 0.7553972

00:21:19.564 --> 00:21:22.280 words will not be heard or welcomed.

NOTE Confidence: 0.7553972

00:21:22.280 --> 00:21:24.080 But when we are silent,

NOTE Confidence: 0.7553972

00:21:24.080 --> 00:21:25.792 we are still afraid.

NOTE Confidence: 0.7553972

00:21:25.792 --> 00:21:29.160 So it is better to speak Audrey Lord.

NOTE Confidence: 0.7553972

00:21:30.360 --> 00:21:31.400 Growing up as a black

NOTE Confidence: 0.7553972

00:21:31.400 --> 00:21:33.398 girl in a predominantly white school,

NOTE Confidence: 0.7553972

00:21:33.400 --> 00:21:35.068 I remember being aware of

NOTE Confidence: 0.7553972

00:21:35.068 --> 00:21:37.238 racism as early as kindergarten.

NOTE Confidence: 0.7553972

00:21:37.240 --> 00:21:39.100 I remember realizing that my brown

NOTE Confidence: 0.7553972

00:21:39.100 --> 00:21:41.388 skin and dark coily hair were not

NOTE Confidence: 0.7553972

00:21:41.388 --> 00:21:43.038 the American standard of beauty.

NOTE Confidence: 0.7553972

00:21:43.040 --> 00:21:44.304 As I grew older,

NOTE Confidence: 0.7553972

00:21:44.304 --> 00:21:46.200 I watched family members receive poor

NOTE Confidence: 0.7553972

00:21:46.265 --> 00:21:48.200 care in the emergency department.

NOTE Confidence: 0.7553972

00:21:48.200 --> 00:21:49.988 I was embarrassed to go places

NOTE Confidence: 0.7553972

00:21:49.988 --> 00:21:51.480 because I was regularly assumed

NOTE Confidence: 0.7553972

00:21:51.480 --> 00:21:53.970 to be the mother of my 4 year old

NOTE Confidence: 0.7553972

00:21:53.970 --> 00:21:56.840 sister when I was only 13 years old.

NOTE Confidence: 0.7553972

00:21:56.840 --> 00:21:59.180 I remember years ago when my

NOTE Confidence: 0.7553972

00:21:59.180 --> 00:22:01.248 little sister's best friend came

NOTE Confidence: 0.7553972

00:22:01.248 --> 00:22:03.398 home from kindergarten in tears.

NOTE Confidence: 0.7553972

00:22:03.400 --> 00:22:05.188 Her white classmates said that her

NOTE Confidence: 0.7553972

00:22:05.188 --> 00:22:08.800 skin was too dark to play with them.

NOTE Confidence: 0.92654717

00:22:08.800 --> 00:22:09.400 A few years

NOTE Confidence: 0.92654717

00:22:09.400 --> 00:22:11.670 ago, I cried on my way to work in the

NOTE Confidence: 0.92654717

00:22:11.740 --> 00:22:14.078 hospital after I talked to my parents.

NOTE Confidence: 0.92654717

00:22:14.080 --> 00:22:15.295 My older brother,

NOTE Confidence: 0.92654717

00:22:15.295 --> 00:22:17.320 who suffers from severe autism,

NOTE Confidence: 0.92654717

00:22:17.320 --> 00:22:19.042 had been thrown on the ground at

NOTE Confidence: 0.92654717

00:22:19.042 --> 00:22:20.558 the Science Center in my hometown.

NOTE Confidence: 0.92654717

00:22:21.400 --> 00:22:23.000 Even though his paraprofessional

NOTE Confidence: 0.92654717

00:22:23.000 --> 00:22:25.296 had screamed at the security guard that

NOTE Confidence: 0.92654717

00:22:25.296 --> 00:22:27.718 he was autistic and not harming anyone,

NOTE Confidence: 0.92654717

00:22:27.720 --> 00:22:30.360 the security guard did not listen.

NOTE Confidence: 0.92654717

00:22:30.360 --> 00:22:33.150 My brother was handcuffed so roughly

NOTE Confidence: 0.92654717

00:22:33.150 --> 00:22:36.240 that it left bruises on his wrists.

NOTE Confidence: 0.92654717

00:22:36.240 --> 00:22:39.124 These painful interactions impact the mental

NOTE Confidence: 0.92654717

00:22:39.124 --> 00:22:42.190 health of black children and families

NOTE Confidence: 0.92654717

00:22:42.271 --> 00:22:45.279 in profound ways that now I am studying.

NOTE Confidence: 0.92654717

00:22:45.280 --> 00:22:48.815 I have the words now for some of these

NOTE Confidence: 0.92654717

00:22:48.815 --> 00:22:50.360 experiences like adultification,

NOTE Confidence: 0.92654717

00:22:50.360 --> 00:22:52.736 the assumption that black girls are

NOTE Confidence: 0.92654717

00:22:52.736 --> 00:22:55.226 less innocent and require less emotional

NOTE Confidence: 0.92654717

00:22:55.226 --> 00:22:58.152 support than white girls like massage noir,

NOTE Confidence: 0.92654717

00:22:58.160 --> 00:23:00.188 the mistreatment of black women and

NOTE Confidence: 0.92654717

00:23:00.188 --> 00:23:02.579 girls that is distinct from the racism

NOTE Confidence: 0.92654717

00:23:02.579 --> 00:23:04.535 black men experience and the sexism

NOTE Confidence: 0.92654717

00:23:04.535 --> 00:23:07.480 that non black women experience.

NOTE Confidence: 0.92654717

00:23:07.480 --> 00:23:09.706 I know now that my black families

NOTE Confidence: 0.92654717

00:23:09.706 --> 00:23:12.252 experience of poor care in the emergency

NOTE Confidence: 0.92654717

00:23:12.252 --> 00:23:14.157 department was not just anecdotal,

NOTE Confidence: 0.92654717

00:23:14.160 --> 00:23:15.252 it is documented.

NOTE Confidence: 0.92654717

00:23:15.252 --> 00:23:17.800 I know now that experiences of anti

NOTE Confidence: 0.92654717

00:23:17.873 --> 00:23:20.757 black racism are tied to suicidality and

NOTE Confidence: 0.92654717

00:23:20.757 --> 00:23:23.367 black youth suicide rates are increasing

NOTE Confidence: 0.92654717

00:23:23.367 --> 00:23:26.398 faster than any other racial ethnic group.

NOTE Confidence: 0.92654717

00:23:26.400 --> 00:23:29.520 And I know now that individuals with autism,

NOTE Confidence: 0.92654717

00:23:29.520 --> 00:23:32.560 especially black individuals with autism,

NOTE Confidence: 0.92654717

00:23:32.560 --> 00:23:34.936 are more likely to be harmed

NOTE Confidence: 0.92654717

00:23:34.936 --> 00:23:37.640 and killed by law enforcement.

NOTE Confidence: 0.92654717

00:23:37.640 --> 00:23:40.008 Yet the mental health effects

NOTE Confidence: 0.92654717

00:23:40.008 --> 00:23:41.640 of anti black racism,

NOTE Confidence: 0.92654717

00:23:41.640 --> 00:23:43.400 despite its demonstrable impact

NOTE Confidence: 0.92654717

00:23:43.400 --> 00:23:45.160 on health and well-being,

NOTE Confidence: 0.92654717

00:23:45.160 --> 00:23:46.184 remain understudied,

NOTE Confidence: 0.92654717

00:23:46.184 --> 00:23:49.256 especially in the field of child

NOTE Confidence: 0.92654717

00:23:49.256 --> 00:23:50.280 psychiatric research.

NOTE Confidence: 0.92654717

00:23:50.280 --> 00:23:52.465 Research centering adverse mental health.

NOTE Confidence: 0.92654717

00:23:52.465 --> 00:23:54.440 The outcomes of black children

NOTE Confidence: 0.92654717

00:23:54.440 --> 00:23:56.506 usually cites poverty or lack of

NOTE Confidence: 0.92654717

00:23:56.506 --> 00:23:58.253 access to care without considering

NOTE Confidence: 0.92654717

00:23:58.253 --> 00:24:01.360 the independent impact of racism,

NOTE Confidence: 0.92654717

00:24:01.360 --> 00:24:05.400 even when economic resources are not lacking.

NOTE Confidence: 0.92654717

00:24:05.400 --> 00:24:07.167 When I received the 2022 Pilot

NOTE Confidence: 0.92654717

00:24:07.167 --> 00:24:09.501 Research Award for Yale Child Study

NOTE Confidence: 0.92654717

00:24:09.501 --> 00:24:12.220 Center trainees for my study proposal

NOTE Confidence: 0.92654717

00:24:12.220 --> 00:24:14.475 entitled The Mental Health Sequella

NOTE Confidence: 0.92654717

00:24:14.544 --> 00:24:16.800 of Anti Black Racism in Children,

NOTE Confidence: 0.92654717

00:24:16.800 --> 00:24:19.285 it honestly affected my entire

NOTE Confidence: 0.92654717

00:24:19.285 --> 00:24:20.279 career trajectory.

NOTE Confidence: 0.92654717

00:24:20.280 --> 00:24:23.024 I proposed my study as the basis for

NOTE Confidence: 0.92654717

00:24:23.024 --> 00:24:25.160 a dissertation and I'm now pursuing

NOTE Confidence: 0.92654717

00:24:25.160 --> 00:24:27.183 APHD at the Yale Graduate School of

NOTE Confidence: 0.92654717

00:24:27.183 --> 00:24:29.018 Arts and Sciences and Doctor Linda

NOTE Confidence: 0.92654717

00:24:29.018 --> 00:24:30.836 Mays as my senior thesis advisor.

NOTE Confidence: 0.78983796

00:24:31.560 --> 00:24:32.960 And I cannot emphasize

00:24:32.960 --> 00:24:34.660 enough how powerful and important

00:24:34.660 --> 00:24:37.826 it is for me as a trainee to have

00:24:37.826 --> 00:24:40.353 the chair of my department serve as

00:24:40.353 --> 00:24:42.555 such a strong mentor and advocate.

00:24:42.560 --> 00:24:43.820 Because of how much support

00:24:43.820 --> 00:24:45.080 I received from my research,

00:24:45.080 --> 00:24:47.306 I was able to put forth a

00:24:47.306 --> 00:24:48.680 competitive application and receive

00:24:48.680 --> 00:24:50.480 the NIH Law Repayment Award.

00:24:50.480 --> 00:24:52.358 But this is just the beginning.

00:24:52.360 --> 00:24:54.092 My research will lay the groundwork

00:24:54.092 --> 00:24:56.528 for a whole line of investigations

00:24:56.528 --> 00:24:58.689 examining the effects of anti

00:24:58.689 --> 00:25:00.819 black racism in children and

00:25:00.819 --> 00:25:02.640 developing innovative interventions.

00:25:02.640 --> 00:25:04.952 This year I was also awarded the Viola

00:25:04.952 --> 00:25:06.081 Bernard HealthEquity Fellowship and

00:25:06.081 --> 00:25:08.081 will be using this funding to hold a

00:25:08.130 --> 00:25:09.625 Black Youth Clinical Case Conference

00:25:09.625 --> 00:25:11.880 series at the Yale Child Study Center.

00:25:11.880 --> 00:25:13.780 The clinical case conferences will

00:25:13.780 --> 00:25:15.910 be held monthly from January to

00:25:15.910 --> 00:25:17.764 June and will lay the groundwork

00:25:17.764 --> 00:25:20.161 for a new Black Culture and Identity

00:25:20.161 --> 00:25:22.070 console and Liaison team which we

00:25:22.070 --> 00:25:24.096 plan to present in fall of 2024.

00:25:24.096 --> 00:25:25.976 The conversations generated by these

00:25:25.976 --> 00:25:28.486 case conferences and the work of this

00:25:28.486 --> 00:25:30.056 console team will be transformative

00:25:30.056 --> 00:25:31.970 for the mental health field.

00:25:31.970 --> 00:25:35.072 As a current Yale child psychiatry fellow

00:25:35.072 --> 00:25:38.560 and member of the Yale College class of 2011,

00:25:38.560 --> 00:25:40.600 one of the reasons why I chose and

00:25:40.600 --> 00:25:42.520 continue to choose Yale is because

00:25:42.593 --> 00:25:44.789 it is an academic institution that

00:25:44.789 --> 00:25:46.580 truly wants to produce leaders.

00:25:46.580 --> 00:25:49.800 Yale pushes us to ask difficult questions,

00:25:49.800 --> 00:25:50.746 think critically,

00:25:50.746 --> 00:25:52.638 and produce creative ideas.

00:25:52.640 --> 00:25:54.290 And the Yale Child Studies Center

00:25:54.290 --> 00:25:56.360 not only wants to produce leaders

00:25:56.360 --> 00:25:58.440 in research and science,

00:25:58.440 --> 00:26:00.410 but the department also wants to

00:26:00.410 --> 00:26:02.635 produce clinician leaders who are

00:26:02.635 --> 00:26:05.627 committed to making the world a better

00:26:05.627 --> 00:26:07.997 place for children and for families.

00:26:08.000 --> 00:26:09.666 My researchers that are twined

NOTE Confidence: 0.367096314074074

00:26:09.666 --> 00:26:10.874 with my clinical work.

NOTE Confidence: 0.367096314074074

00:26:10.880 --> 00:26:12.077 But at the end of the day,

NOTE Confidence: 0.367096314074074

00:26:12.080 --> 00:26:14.480 this work isn't for me.

NOTE Confidence: 0.367096314074074

00:26:14.480 --> 00:26:15.904 It's for the kindergartner,

NOTE Confidence: 0.367096314074074

00:26:15.904 --> 00:26:18.040 like my sister's friend who becomes

NOTE Confidence: 0.367096314074074

00:26:18.100 --> 00:26:20.200 sad and withdrawn for weeks after

NOTE Confidence: 0.367096314074074

00:26:20.200 --> 00:26:21.600 their classmates exclude her

NOTE Confidence: 0.367096314074074

00:26:21.663 --> 00:26:23.355 from play based on skin color.

NOTE Confidence: 0.367096314074074

00:26:23.360 --> 00:26:25.425 It's for my 10 year old patient

NOTE Confidence: 0.367096314074074

00:26:25.425 --> 00:26:26.681 who developed suicidal thoughts

NOTE Confidence: 0.367096314074074

00:26:26.681 --> 00:26:28.577 after her neighbors told her that

NOTE Confidence: 0.367096314074074

00:26:28.577 --> 00:26:30.080 dark brown skin was ugly.

NOTE Confidence: 0.367096314074074

00:26:30.080 --> 00:26:32.432 It's for my high schooler patient

NOTE Confidence: 0.367096314074074

00:26:32.432 --> 00:26:34.491 who attempted suicide because of

NOTE Confidence: 0.367096314074074

00:26:34.491 --> 00:26:36.636 racist ostracism from peers and

00:26:36.636 --> 00:26:38.801 excessive punishment from teachers in

00:26:38.801 --> 00:26:40.716 a predominantly white prep school.

00:26:40.720 --> 00:26:42.540 I'm so thankful to be supported by

00:26:42.540 --> 00:26:44.178 the Yale Child Study Center and

00:26:44.178 --> 00:26:46.040 to speak with you all here today.

00:26:46.040 --> 00:26:48.840 My work is thought provoking and innovative,

00:26:48.840 --> 00:26:52.560 but it is also urgent and life saving.

00:26:52.560 --> 00:26:53.280 Thank you Fernando.

00:26:55.040 --> 00:26:57.359 Thank you everyone.

00:26:57.360 --> 00:27:00.160 We're now open for questions,

00:27:00.160 --> 00:27:02.000 questions from our audience. I

00:27:05.920 --> 00:27:08.293 think one question that has come in

00:27:08.293 --> 00:27:11.199 just to get us started is we all know

00:27:11.199 --> 00:27:13.640 that there's a certainly a tremendous

00:27:13.640 --> 00:27:16.240 increase in mental health needs.

00:27:16.240 --> 00:27:18.598 And I wondered if the question is,

NOTE Confidence: 0.7577418

00:27:18.598 --> 00:27:20.493 would the panelists comment on

NOTE Confidence: 0.7577418

00:27:20.493 --> 00:27:22.520 various ways and your efforts,

NOTE Confidence: 0.7577418

00:27:22.520 --> 00:27:24.712 we're trying to address those or you are

NOTE Confidence: 0.7577418

00:27:24.712 --> 00:27:27.120 trying to address those increase in needs.

NOTE Confidence: 0.6115907

00:27:30.280 --> 00:27:31.720 Anyone want to start that

NOTE Confidence: 0.6115907

00:27:36.000 --> 00:27:36.840 Gary, please.

NOTE Confidence: 0.706249

00:27:40.080 --> 00:27:41.850 Thank you, Linda.

NOTE Confidence: 0.706249

00:27:41.850 --> 00:27:45.104 So you know there is really a a very

NOTE Confidence: 0.706249

00:27:45.104 --> 00:27:47.115 pretty serious child mental health

NOTE Confidence: 0.706249

00:27:47.115 --> 00:27:50.048 crisis going on higher acuity wait list.

NOTE Confidence: 0.706249

00:27:50.048 --> 00:27:52.876 I think that there's no easy solution,

NOTE Confidence: 0.706249

00:27:52.880 --> 00:27:54.714 but the good news is we have

NOTE Confidence: 0.706249

00:27:54.714 --> 00:27:56.439 ways to start to address it.

NOTE Confidence: 0.706249

00:27:56.440 --> 00:27:58.328 I think one way we have to address

NOTE Confidence: 0.706249

00:27:58.328 --> 00:28:00.145 the wait list that unfortunately

48

NOTE Confidence: 0.706249

00:28:00.145 --> 00:28:02.280 characterize the mental health crisis.

NOTE Confidence: 0.706249

00:28:02.280 --> 00:28:04.854 This is the great news about our child and

NOTE Confidence: 0.706249

00:28:04.854 --> 00:28:07.007 family traumatic stress intervention being

NOTE Confidence: 0.706249

00:28:07.007 --> 00:28:09.852 brief and powerful that because it's brief,

NOTE Confidence: 0.706249

00:28:09.852 --> 00:28:12.775 because it's a powerful and effective it can

NOTE Confidence: 0.706249

00:28:12.775 --> 00:28:15.271 help reduce the need for longer term therapy.

NOTE Confidence: 0.706249

00:28:15.280 --> 00:28:17.656 It can help alleviate long wait

NOTE Confidence: 0.706249

00:28:17.656 --> 00:28:20.151 lists and increase access and allow

NOTE Confidence: 0.706249

00:28:20.151 --> 00:28:22.236 programs to serve more children.

NOTE Confidence: 0.706249

00:28:22.240 --> 00:28:23.514 And so that can be really helpful.

NOTE Confidence: 0.706249

00:28:23.520 --> 00:28:24.996 And in order to do this,

NOTE Confidence: 0.706249

00:28:25.000 --> 00:28:26.764 we need to equip clinicians to build

NOTE Confidence: 0.706249

00:28:26.764 --> 00:28:28.831 the skill to to do the work and we

NOTE Confidence: 0.706249

00:28:28.831 --> 00:28:30.330 can get them there, for example,

NOTE Confidence: 0.706249

00:28:30.330 --> 00:28:32.280 by training them in our model.

NOTE Confidence: 0.706249

00:28:32.280 --> 00:28:33.756 And so the good news is,

NOTE Confidence: 0.706249

00:28:33.760 --> 00:28:36.064 is that we found even when we're training

NOTE Confidence: 0.706249

00:28:36.064 --> 00:28:38.119 clinicians are new to the field or have

NOTE Confidence: 0.706249

00:28:38.119 --> 00:28:39.839 been around alone for quite a while,

NOTE Confidence: 0.706249

00:28:39.840 --> 00:28:41.316 they're both highly effective in it.

NOTE Confidence: 0.706249

00:28:41.320 --> 00:28:41.868 So that's,

NOTE Confidence: 0.706249

00:28:41.868 --> 00:28:43.910 it's one of the ways that our

NOTE Confidence: 0.706249

00:28:43.910 --> 00:28:45.920 work is hoping to address that.

NOTE Confidence: 0.7540912

00:28:49.040 --> 00:28:50.560 Thank you. Anyone, anyone else?

NOTE Confidence: 0.7540912

00:28:53.280 --> 00:28:54.280 Yeah, I would jump

NOTE Confidence: 0.9137208

00:28:54.280 --> 00:28:56.840 in. You know, I think I really appreciate

NOTE Confidence: 0.9137208

00:28:56.840 --> 00:28:59.297 the context of of talking about increasing

NOTE Confidence: 0.9137208

00:28:59.297 --> 00:29:01.480 mental health needs and the black,

NOTE Confidence: 0.9137208

00:29:01.480 --> 00:29:03.082 you know, the youth suicide crisis

NOTE Confidence: 0.9137208

00:29:03.082 --> 00:29:04.880 and the youth mental health crisis.

NOTE Confidence: 0.9137208

00:29:04.880 --> 00:29:06.596 But I also think it's important

NOTE Confidence: 0.9137208

00:29:06.596 --> 00:29:08.520 to note that for black youth,

NOTE Confidence: 0.9137208

00:29:08.520 --> 00:29:10.718 they've been in crisis for 20 years.

NOTE Confidence: 0.9137208

00:29:10.720 --> 00:29:13.170 So this isn't new for black youth

NOTE Confidence: 0.9137208

00:29:13.170 --> 00:29:15.664 and actually you know, suicide rates

NOTE Confidence: 0.9137208

00:29:15.664 --> 00:29:17.848 have been increasing and I think,

NOTE Confidence: 0.9137208

00:29:17.848 --> 00:29:19.180 you know, we'll actually look

NOTE Confidence: 0.9137208

00:29:19.180 --> 00:29:21.280 at data from 2019 to 2020,

NOTE Confidence: 0.9137208

00:29:21.280 --> 00:29:23.280 it was found that actually

NOTE Confidence: 0.9137208

00:29:23.280 --> 00:29:24.748 white and Asian children,

NOTE Confidence: 0.9137208

00:29:24.748 --> 00:29:26.583 their suicide rates remain the

NOTE Confidence: 0.9137208

00:29:26.583 --> 00:29:28.541 same or declined and black and

NOTE Confidence: 0.9137208

00:29:28.541 --> 00:29:30.071 Latin a Latin X children,

NOTE Confidence: 0.9137208

00:29:30.080 --> 00:29:32.360 their suicide rates continue to increase.

NOTE Confidence: 0.9137208

00:29:32.360 --> 00:29:34.118 So I think it's really important

NOTE Confidence: 0.9137208

00:29:34.118 --> 00:29:35.600 when we're thinking about this,

NOTE Confidence: 0.9137208

00:29:35.600 --> 00:29:38.360 you know, youth mental health crisis.
NOTE Confidence: 0.9137208

00:29:38.360 --> 00:29:40.293 We need to really think about different
NOTE Confidence: 0.9137208

00:29:40.293 --> 00:29:42.200 minoritized groups and really make
NOTE Confidence: 0.9137208

00:29:42.200 --> 00:29:43.878 sure that the things that we're doing,
NOTE Confidence: 0.9137208

00:29:43.880 --> 00:29:45.775 the interventions that we're doing
NOTE Confidence: 0.9137208

00:29:45.775 --> 00:29:48.309 are not just tailored to A1 size
NOTE Confidence: 0.9137208

00:29:48.309 --> 00:29:49.895 fits all model and certainly not
NOTE Confidence: 0.9137208

00:29:49.895 --> 00:29:51.120 just tailored for white children,
NOTE Confidence: 0.9137208

00:29:51.120 --> 00:29:53.976 but tailored for the specific needs of
NOTE Confidence: 0.9137208

00:29:53.976 --> 00:29:56.080 minoritized groups and populations,
NOTE Confidence: 0.9137208

00:29:56.080 --> 00:29:57.696 which I think is one of the things
NOTE Confidence: 0.9137208

00:29:57.696 --> 00:29:59.160 that the Yale Child Studies Center
NOTE Confidence: 0.9137208

00:29:59.160 --> 00:30:01.190 obviously is trying to do it to do
NOTE Confidence: 0.9137208

00:30:01.190 --> 00:30:02.793 with all this here and thinking about,
NOTE Confidence: 0.9137208

00:30:02.800 --> 00:30:03.661 you know, OK.
NOTE Confidence: 0.9137208

00:30:03.661 --> 00:30:05.096 So some interventions may work

NOTE Confidence: 0.9137208

00:30:05.096 --> 00:30:06.718 for all kids or most kids,

NOTE Confidence: 0.9137208

00:30:06.720 --> 00:30:08.280 but we may may need targeted.

NOTE Confidence: 0.9137208

00:30:08.280 --> 00:30:10.640 We definitely need targeted interventions,

NOTE Confidence: 0.9137208

00:30:10.640 --> 00:30:12.284 as Doctor Marin mentioned,

NOTE Confidence: 0.9137208

00:30:12.284 --> 00:30:13.517 for different groups.

NOTE Confidence: 0.9137208

00:30:13.520 --> 00:30:15.011 And I think what that looks like

NOTE Confidence: 0.9137208

00:30:15.011 --> 00:30:16.160 is we're bringing in experts

NOTE Confidence: 0.9137208

00:30:16.160 --> 00:30:17.315 from those groups that are,

NOTE Confidence: 0.9137208

00:30:17.320 --> 00:30:19.156 we have here the Child Study

NOTE Confidence: 0.9137208

00:30:19.156 --> 00:30:21.000 Center to pilot those programs.

NOTE Confidence: 0.9137208

00:30:21.000 --> 00:30:22.519 And so I think it's a really

NOTE Confidence: 0.9137208

00:30:22.519 --> 00:30:22.953 important question.

NOTE Confidence: 0.9137208

00:30:22.960 --> 00:30:25.280 And I think I'm so glad that, you know,

NOTE Confidence: 0.9137208

00:30:25.280 --> 00:30:26.880 the youth mental health crisis is out there.

NOTE Confidence: 0.9137208

00:30:26.880 --> 00:30:28.236 It's out there in the media.

NOTE Confidence: 0.9137208

00:30:28.240 --> 00:30:29.660 But it's also important to

NOTE Confidence: 0.9137208

00:30:29.660 --> 00:30:31.080 recognize that for some groups,

NOTE Confidence: 0.9137208

00:30:31.080 --> 00:30:32.118 specifically black children,

NOTE Confidence: 0.9137208

00:30:32.118 --> 00:30:33.156 this isn't new.

NOTE Confidence: 0.9137208

00:30:33.160 --> 00:30:33.320 Thank

NOTE Confidence: 0.35849366

00:30:34.640 --> 00:30:35.920 you, Tom.

NOTE Confidence: 0.5100029

00:30:44.320 --> 00:30:46.675 Obviously there's a great need

NOTE Confidence: 0.5100029

00:30:46.675 --> 00:30:48.900 by children and families and

NOTE Confidence: 0.5100029

00:30:48.900 --> 00:30:50.260 they're great providers called

NOTE Confidence: 0.5100029

00:30:50.260 --> 00:30:51.960 the Yale Child Study Center.

NOTE Confidence: 0.5100029

00:30:51.960 --> 00:30:53.400 How did the two get together?

NOTE Confidence: 0.5100029

00:30:55.800 --> 00:30:58.348 It's a great question, Tom and I

NOTE Confidence: 0.5100029

00:30:58.348 --> 00:31:00.664 may I may I be sure you're asking

NOTE Confidence: 0.5100029

00:31:00.664 --> 00:31:02.560 how do we improve access, right.

NOTE Confidence: 0.7063079

00:31:05.520 --> 00:31:07.494 How do we improve access to US

NOTE Confidence: 0.7063079

00:31:07.494 --> 00:31:09.599 and access for services generally?

NOTE Confidence: 0.7063079

00:31:15.680 --> 00:31:17.280 Anyone want to take that?

NOTE Confidence: 0.7063079

00:31:19.320 --> 00:31:20.400 I can kind of start us

NOTE Confidence: 0.7063079

00:31:20.440 --> 00:31:22.880 off. Oh, sorry, no,

NOTE Confidence: 0.7063079

00:31:21.400 --> 00:31:23.280 no, go ahead. Go ahead, already you're good.

NOTE Confidence: 0.7364913

00:31:23.920 --> 00:31:25.439 So one way kind of in particularly

NOTE Confidence: 0.7364913

00:31:25.440 --> 00:31:28.410 in my work in pediatric psychology IT,

NOTE Confidence: 0.7364913

00:31:28.410 --> 00:31:29.960 it decreases kind of one of the stops.

NOTE Confidence: 0.7364913

00:31:29.960 --> 00:31:31.360 So I am integrating A

NOTE Confidence: 0.7364913

00:31:31.360 --> 00:31:32.480 variety of medical clinics.

NOTE Confidence: 0.7364913

00:31:32.480 --> 00:31:34.832 So kind of when they present for

NOTE Confidence: 0.7364913

00:31:34.832 --> 00:31:36.640 their neurology clinic appointment,

NOTE Confidence: 0.7364913

00:31:36.640 --> 00:31:38.494 it's not just that they're seeing

NOTE Confidence: 0.7364913

00:31:38.494 --> 00:31:40.133 their neurology provider but also

NOTE Confidence: 0.7364913

00:31:40.133 --> 00:31:41.878 myself as a multidisciplinary clinic.

NOTE Confidence: 0.7364913

00:31:41.880 --> 00:31:44.679 And so kind of being able to get that

NOTE Confidence: 0.7364913

00:31:44.679 --> 00:31:47.025 comprehensive view as a one stop shop

NOTE Confidence: 0.7364913

00:31:47.025 --> 00:31:49.098 really decreases barriers from kind of

NOTE Confidence: 0.7364913

00:31:49.098 --> 00:31:51.180 scheduling and waiting and getting in

NOTE Confidence: 0.7364913

00:31:51.180 --> 00:31:53.488 and instead getting something there

NOTE Confidence: 0.7364913

00:31:53.488 --> 00:31:55.625 and now where the families are and

NOTE Confidence: 0.7364913

00:31:55.625 --> 00:31:57.120 really meeting them where they're at,

NOTE Confidence: 0.7364913

00:31:57.120 --> 00:31:58.480 which has been wonderful.

NOTE Confidence: 0.5166259

00:32:00.520 --> 00:32:01.984 So embedding, embedding where

NOTE Confidence: 0.5166259

00:32:01.984 --> 00:32:05.360 families come, that's one way, Carla.

NOTE Confidence: 0.7493879

00:32:06.000 --> 00:32:08.800 Yeah. So I I just wanted to add that I

NOTE Confidence: 0.7493879

00:32:08.883 --> 00:32:11.398 I think another way is to leverage the

NOTE Confidence: 0.7493879

00:32:11.398 --> 00:32:13.503 digital tools that we have currently

NOTE Confidence: 0.7493879

00:32:13.503 --> 00:32:16.319 available to us even just like now right

NOTE Confidence: 0.7493879

00:32:16.390 --> 00:32:19.224 being on Zoom and I know that we're

NOTE Confidence: 0.7493879

00:32:19.224 --> 00:32:21.404 providing telehealth services to many

NOTE Confidence: 0.7493879

00:32:21.404 --> 00:32:24.167 families who are not able to either

NOTE Confidence: 0.7493879

00:32:24.167 --> 00:32:26.080 you know have transportation here.

NOTE Confidence: 0.7493879

00:32:26.080 --> 00:32:30.600 But again you know trying to think about

NOTE Confidence: 0.7493879

00:32:30.600 --> 00:32:33.944 or excuse me going beyond sort of Zoom

NOTE Confidence: 0.7493879

00:32:33.944 --> 00:32:36.306 or Intellotherapy and thinking about

NOTE Confidence: 0.7493879

00:32:36.306 --> 00:32:39.192 developing other types of digital tools

NOTE Confidence: 0.7493879

00:32:39.200 --> 00:32:41.188 that again allow a greater reach and

NOTE Confidence: 0.7493879

00:32:41.188 --> 00:32:43.437 and tools that are again science based,

NOTE Confidence: 0.7493879

00:32:43.440 --> 00:32:46.576 you know that we know provide relief to

NOTE Confidence: 0.7493879

00:32:46.576 --> 00:32:50.040 so many of these children and families.

NOTE Confidence: 0.7493879

00:32:50.040 --> 00:32:52.024 So I again you know it's my hope

NOTE Confidence: 0.7493879

00:32:52.024 --> 00:32:53.793 of course and the work that I'm

NOTE Confidence: 0.7493879

00:32:53.793 --> 00:32:56.631 involved in that hopefully you know

NOTE Confidence: 0.7493879

00:32:56.631 --> 00:32:58.879 we'll we'll we'll see this.

NOTE Confidence: 0.7493879

00:32:58.880 --> 00:33:00.872 But I mean again that's just some some

NOTE Confidence: 0.7493879

00:33:00.872 --> 00:33:02.479 other thought that I wanted to offer

NOTE Confidence: 0.69600797

00:33:05.360 --> 00:33:07.520 anyone else. Carrie,

NOTE Confidence: 0.69600797

00:33:10.960 --> 00:33:12.040 you're muted Carrie, I

NOTE Confidence: 0.69600797

00:33:12.960 --> 00:33:14.196 think it's such an important question.

NOTE Confidence: 0.69600797

00:33:14.200 --> 00:33:17.600 I I think building on what my

NOTE Confidence: 0.69600797

00:33:17.600 --> 00:33:18.640 colleagues just spoke about,

NOTE Confidence: 0.69600797

00:33:18.640 --> 00:33:20.341 I think that there are a few ways we've

NOTE Confidence: 0.69600797

00:33:20.341 --> 00:33:21.917 been also trying to accomplish this.

NOTE Confidence: 0.69600797

00:33:21.920 --> 00:33:24.992 One is that our our,

NOTE Confidence: 0.69600797

00:33:24.992 --> 00:33:28.284 our trauma center actually goes does

NOTE Confidence: 0.69600797

00:33:28.284 --> 00:33:30.994 outreach to families in communities.

NOTE Confidence: 0.69600797

00:33:31.000 --> 00:33:33.324 I'm going into folks homes to touch

NOTE Confidence: 0.69600797

00:33:33.324 --> 00:33:35.566 base with families to connect with them

NOTE Confidence: 0.69600797

00:33:35.566 --> 00:33:38.690 and to make the bridge into from the

NOTE Confidence: 0.69600797

00:33:38.690 --> 00:33:41.715 actual community and bridging into our

NOTE Confidence: 0.69600797

00:33:41.715 --> 00:33:43.640 the the services that we can offer.

NOTE Confidence: 0.69600797

00:33:43.640 --> 00:33:44.440 That's one thing we do,

00:33:44.440 --> 00:33:46.120 and there's more to say about that.

00:33:46.120 --> 00:33:48.796 The the telehealth piece, we actually,

00:33:48.800 --> 00:33:50.571 through the pandemic really had to look

00:33:50.571 --> 00:33:52.963 at and we did a study about whether we

00:33:52.963 --> 00:33:55.160 could do our treatment model via telehealth.

00:33:55.160 --> 00:33:57.086 And the great news is that the study shows

00:33:57.086 --> 00:33:58.998 that we have literally the same outcomes,

00:33:59.000 --> 00:34:01.800 maybe a little bit better through telehealth.

00:34:01.800 --> 00:34:02.667 Look at that.

00:34:02.667 --> 00:34:04.112 And I think that's about

00:34:04.112 --> 00:34:05.679 having less stressors maybe,

00:34:05.680 --> 00:34:06.490 but coming in.

00:34:06.490 --> 00:34:08.530 And then the final thing I really

00:34:08.530 --> 00:34:10.600 think about is also looking about

00:34:10.600 --> 00:34:13.360 really challenging oneself to look at.

00:34:13.360 --> 00:34:13.987 And I, Amanda,

NOTE Confidence: 0.69600797

00:34:13.987 --> 00:34:15.450 I was thinking about what you said

NOTE Confidence: 0.69600797

00:34:15.500 --> 00:34:17.575 is that it is our treatment model

NOTE Confidence: 0.69600797

00:34:17.575 --> 00:34:18.995 working for different families,

NOTE Confidence: 0.69600797

00:34:19.000 --> 00:34:19.408 communities,

NOTE Confidence: 0.69600797

00:34:19.408 --> 00:34:21.040 people from different backgrounds,

NOTE Confidence: 0.69600797

00:34:21.040 --> 00:34:22.516 and we've been looking at that.

NOTE Confidence: 0.69600797

00:34:22.520 --> 00:34:24.520 We want to continue to looking at that,

NOTE Confidence: 0.69600797

00:34:24.520 --> 00:34:25.444 to really challenge ourselves

NOTE Confidence: 0.69600797

00:34:25.444 --> 00:34:27.200 to how do we need to adjust,

NOTE Confidence: 0.69600797

00:34:27.200 --> 00:34:29.629 adapt and tweak models and learn from

NOTE Confidence: 0.69600797

00:34:29.629 --> 00:34:31.281 colleagues with expertise to know

NOTE Confidence: 0.69600797

00:34:31.281 --> 00:34:33.206 that a treatment is going to resonate

NOTE Confidence: 0.69600797

00:34:33.206 --> 00:34:35.195 with all the families we work with.

NOTE Confidence: 0.8981909

00:34:37.640 --> 00:34:38.560 And I would just add,

NOTE Confidence: 0.8981909

00:34:38.560 --> 00:34:40.480 you know, sort of like I was saying

NOTE Confidence: 0.8981909

00:34:40.480 --> 00:34:42.159 and what Yale is renowned for,

NOTE Confidence: 0.8981909

00:34:42.160 --> 00:34:43.910 we need to get creative. You know,

NOTE Confidence: 0.8981909

00:34:43.910 --> 00:34:45.680 when people think about child psychiatrists,

NOTE Confidence: 0.8981909

00:34:45.680 --> 00:34:46.592 they're thinking about,

NOTE Confidence: 0.8981909

00:34:46.592 --> 00:34:48.624 you know, someone in a office

NOTE Confidence: 0.8981909

00:34:48.624 --> 00:34:50.760 and maybe it's boring to them.

NOTE Confidence: 0.8981909

00:34:50.760 --> 00:34:51.798 And these are kids, you know,

NOTE Confidence: 0.8981909

00:34:51.800 --> 00:34:53.120 we need to engage them.

NOTE Confidence: 0.8981909

00:34:53.120 --> 00:34:54.674 And so, you know, most kids will

NOTE Confidence: 0.8981909

00:34:54.674 --> 00:34:56.360 never see a child psychiatrist.

NOTE Confidence: 0.8981909

00:34:56.360 --> 00:34:57.768 And we need to think about, you know,

NOTE Confidence: 0.8981909

00:34:57.768 --> 00:34:58.916 how are we going to reach kids?

NOTE Confidence: 0.8981909

00:34:58.920 --> 00:34:59.430 And, you know,

NOTE Confidence: 0.8981909

00:34:59.430 --> 00:35:01.040 I don't want to put him on the spot,

NOTE Confidence: 0.8981909

00:35:01.040 --> 00:35:02.273 but I'm going to put him on the spot.

NOTE Confidence: 0.8981909

00:35:02.280 --> 00:35:03.648 Doctor Comer is here.

NOTE Confidence: 0.8981909

00:35:03.648 --> 00:35:05.358 And I think thinking about,

NOTE Confidence: 0.8981909

00:35:05.360 --> 00:35:06.710 you know, how are we reaching

NOTE Confidence: 0.8981909

00:35:06.710 --> 00:35:08.080 out to schools and you know,

NOTE Confidence: 0.8981909

00:35:08.080 --> 00:35:10.194 his amazing work that is looked at,

NOTE Confidence: 0.8981909

00:35:10.200 --> 00:35:12.198 what are the experiences that kids,

NOTE Confidence: 0.8981909

00:35:12.200 --> 00:35:13.250 the positive experiences

NOTE Confidence: 0.8981909

00:35:13.250 --> 00:35:15.000 that kids are not getting,

NOTE Confidence: 0.8981909

00:35:15.000 --> 00:35:16.995 you know, that they need to get?

NOTE Confidence: 0.8981909

00:35:17.000 --> 00:35:19.114 And how do we partner with teachers,

NOTE Confidence: 0.8981909

00:35:19.120 --> 00:35:22.440 you know, schools, community workers,

NOTE Confidence: 0.8981909

00:35:22.440 --> 00:35:25.079 you know, pediatricians as we already do,

NOTE Confidence: 0.8981909

00:35:25.080 --> 00:35:27.880 But all these touch points that kids

NOTE Confidence: 0.8981909

00:35:27.880 --> 00:35:29.776 are interacting with to reach them.

NOTE Confidence: 0.8981909

00:35:29.776 --> 00:35:32.200 And then once we reach them,

NOTE Confidence: 0.8981909

00:35:32.200 --> 00:35:33.710 are we doing things that are

00:35:33.710 --> 00:35:35.118 causing them to fall out of care?

00:35:35.120 --> 00:35:35.717 I mean, frankly,

00:35:35.717 --> 00:35:37.379 I've talked to a lot of my kids

00:35:37.379 --> 00:35:39.120 and I've said, you know, why?

00:35:39.120 --> 00:35:40.520 You know, when I say my kids,

00:35:40.520 --> 00:35:41.212 I mean my patients,

00:35:41.212 --> 00:35:42.077 I call them my kids.

00:35:42.080 --> 00:35:42.360 But

00:35:42.920 --> 00:35:45.035 I say, you know, why don't you like therapy?

00:35:45.040 --> 00:35:46.078 Why don't you go to therapy?

00:35:46.080 --> 00:35:47.856 And they've told me they've had a lot

00:35:47.856 --> 00:35:49.438 of racist experiences in therapy.

00:35:49.440 --> 00:35:51.340 And so I think we need to name that.

00:35:51.340 --> 00:35:53.500 And it's going to be very

00:35:53.500 --> 00:35:55.094 important that children, you know,

00:35:55.094 --> 00:35:56.829 of minoritized backgrounds are feeling

NOTE Confidence: 0.9327305

00:35:56.829 --> 00:35:58.246 comfortable in the therapeutic

NOTE Confidence: 0.9327305

00:35:58.246 --> 00:36:00.196 spaces because we bring them in,

NOTE Confidence: 0.9327305

00:36:00.200 --> 00:36:01.718 we tell them about child psychiatry,

NOTE Confidence: 0.9327305

00:36:01.720 --> 00:36:03.316 and they have a poor experience.

NOTE Confidence: 0.9327305

00:36:03.320 --> 00:36:04.720 They're probably not going to come back.

NOTE Confidence: 0.9327305

00:36:04.720 --> 00:36:06.701 And so thinking about all those things

NOTE Confidence: 0.9327305

00:36:06.701 --> 00:36:08.560 and being able to interrogate ourselves

NOTE Confidence: 0.9327305

00:36:08.560 --> 00:36:10.772 and our own procedures and our own

NOTE Confidence: 0.9327305

00:36:10.826 --> 00:36:13.073 policies and our own behaviors in the

NOTE Confidence: 0.9327305

00:36:13.073 --> 00:36:14.760 therapeutic space will be important.

NOTE Confidence: 0.77137893

00:36:25.830 --> 00:36:26.310 Doctor Comer,

NOTE Confidence: 0.77137893

00:36:28.550 --> 00:36:29.590 you're on mute, Tim.

NOTE Confidence: 0.77137893

00:36:31.710 --> 00:36:34.910 Yeah. No, I can only

NOTE Confidence: 0.77137893

00:36:34.910 --> 00:36:37.626 agree that it is terribly important to

NOTE Confidence: 0.77137893

00:36:37.626 --> 00:36:40.590 get to the all the people that children

64

NOTE Confidence: 0.77137893

00:36:40.590 --> 00:36:43.028 come in contact with who support

NOTE Confidence: 0.77137893

00:36:43.028 --> 00:36:45.308 their development and functioning.

NOTE Confidence: 0.77137893

00:36:45.310 --> 00:36:49.470 But it's very, very hard because in

NOTE Confidence: 0.77137893

00:36:49.470 --> 00:36:52.870 ways just the education alone feel

NOTE Confidence: 0.7399904

00:36:55.800 --> 00:36:59.176 the the basic problem is that the the

NOTE Confidence: 0.7399904

00:36:59.176 --> 00:37:02.115 field itself has not paid attention

NOTE Confidence: 0.7399904

00:37:02.115 --> 00:37:04.640 to development and mental health.

NOTE Confidence: 0.7399904

00:37:04.640 --> 00:37:06.782 And so you're working with educators

NOTE Confidence: 0.7399904

00:37:06.782 --> 00:37:09.838 who mean well, who want to do well,

NOTE Confidence: 0.7399904

00:37:09.840 --> 00:37:11.597 but they have not had the experience.

NOTE Confidence: 0.7399904

00:37:11.600 --> 00:37:13.819 So our they have not had the

NOTE Confidence: 0.7399904

00:37:13.819 --> 00:37:16.175 focus on child development and

NOTE Confidence: 0.7399904

00:37:16.175 --> 00:37:18.403 functioning and mental health.

NOTE Confidence: 0.7399904

00:37:18.403 --> 00:37:22.562 And so we're trying to look at how

NOTE Confidence: 0.7399904

00:37:22.562 --> 00:37:25.428 you can get that kind of preparation,

NOTE Confidence: 0.7399904

00:37:25.428 --> 00:37:28.192 that kind of introduction even at the

NOTE Confidence: 0.7399904

00:37:28.192 --> 00:37:32.056 at the pre service level and then make

NOTE Confidence: 0.7399904

00:37:32.056 --> 00:37:35.020 it possible for mental health people

NOTE Confidence: 0.7399904

00:37:35.110 --> 00:37:38.246 to work at the pre service level to

NOTE Confidence: 0.7399904

00:37:38.246 --> 00:37:41.800 help those people who are going to

NOTE Confidence: 0.7399904

00:37:41.800 --> 00:37:43.936 be working with children think child

NOTE Confidence: 0.7399904

00:37:43.936 --> 00:37:46.680 development and functioning before they

NOTE Confidence: 0.7399904

00:37:46.680 --> 00:37:50.074 even have their basic training and

NOTE Confidence: 0.7399904

00:37:50.074 --> 00:37:52.759 and development in their discipline.

NOTE Confidence: 0.7399904

00:37:52.760 --> 00:37:53.999 But it's hard.

NOTE Confidence: 0.7399904

00:37:53.999 --> 00:37:55.238 It's very hard.

NOTE Confidence: 0.7399904

00:37:55.240 --> 00:37:57.160 But I I think we have to keep

NOTE Confidence: 0.7399904

00:37:57.160 --> 00:37:59.200 doing it because I don't see any

NOTE Confidence: 0.7399904

00:37:59.200 --> 00:38:01.240 other way because they'll never

NOTE Confidence: 0.7399904

00:38:01.240 --> 00:38:03.060 be enough psychiatrists,

NOTE Confidence: 0.7399904

00:38:03.060 --> 00:38:03.920 psychologists

NOTE Confidence: 0.5195061

00:38:06.120 --> 00:38:08.568 to to provide the kind of

NOTE Confidence: 0.5195061

00:38:08.568 --> 00:38:11.315 support we need for the mental

NOTE Confidence: 0.5195061

00:38:11.315 --> 00:38:13.840 health problems we have today.

NOTE Confidence: 0.5195061

00:38:13.840 --> 00:38:15.358 But agree that it's very important.

NOTE Confidence: 0.5195061

00:38:16.360 --> 00:38:19.360 Thank you. Before I turn to Doctor Landeros,

NOTE Confidence: 0.5195061

00:38:19.360 --> 00:38:22.232 I just want to say too that several

NOTE Confidence: 0.5195061

00:38:22.232 --> 00:38:23.992 of you mentioned pediatricians and

NOTE Confidence: 0.5195061

00:38:23.992 --> 00:38:26.610 one of the things we're also doing

NOTE Confidence: 0.5195061

00:38:26.610 --> 00:38:28.520 is trying is training pediatricians

NOTE Confidence: 0.5195061

00:38:28.520 --> 00:38:31.044 and frontline behavioral healthcare.

NOTE Confidence: 0.5195061

00:38:31.044 --> 00:38:34.199 We're becoming a training site

NOTE Confidence: 0.5195061

00:38:34.200 --> 00:38:36.656 so that we can at least help our

NOTE Confidence: 0.5195061

00:38:36.656 --> 00:38:38.235 pediatric colleagues have some skills

NOTE Confidence: 0.5195061

00:38:38.235 --> 00:38:40.720 that they very much are asking for.

NOTE Confidence: 0.5195061

00:38:40.720 --> 00:38:41.760 Doctor Linderos,

NOTE Confidence: 0.40221095

00:38:44.200 --> 00:38:47.493 I just wanted to highlight within

NOTE Confidence: 0.40221095

00:38:47.493 --> 00:38:51.520 the the Mood Disorders Clinic,

NOTE Confidence: 0.8661092

00:38:51.520 --> 00:38:52.680 all of the different researchers

NOTE Confidence: 0.8661092

00:38:52.680 --> 00:38:54.000 within the Child Study Center

NOTE Confidence: 0.8661092

00:38:54.000 --> 00:38:56.920 that are engaged in research

NOTE Confidence: 0.8661092

00:38:58.080 --> 00:38:59.960 pursuing this have at.

NOTE Confidence: 0.8661092

00:38:59.960 --> 00:39:01.840 We've actually come together.

NOTE Confidence: 0.8661092

00:39:01.840 --> 00:39:04.906 We've created a working

NOTE Confidence: 0.8661092

00:39:04.906 --> 00:39:06.398 group where we've put,

NOTE Confidence: 0.8661092

00:39:06.400 --> 00:39:09.200 made ourselves available to the

NOTE Confidence: 0.8661092

00:39:09.200 --> 00:39:11.520 schools within Connecticut.

NOTE Confidence: 0.8661092

00:39:11.520 --> 00:39:12.820 And slowly but surely we're

NOTE Confidence: 0.8661092

00:39:12.820 --> 00:39:14.120 getting a lot of traction.

NOTE Confidence: 0.8661092

00:39:14.120 --> 00:39:15.479 And we're having

NOTE Confidence: 0.8661092

00:39:16.200 --> 00:39:17.864 experts in the field,

NOTE Confidence: 0.8661092

00:39:17.864 --> 00:39:20.479 us go into the schools and talk

68

NOTE Confidence: 0.9241506

00:39:20.480 --> 00:39:21.400 to the teachers and

NOTE Confidence: 0.9241506

00:39:21.400 --> 00:39:22.516 ask them what it is that

NOTE Confidence: 0.9241506

00:39:22.520 --> 00:39:24.960 they need and how it is that we can help

NOTE Confidence: 0.9241506

00:39:24.960 --> 00:39:27.888 them. Not only in an effort to help

NOTE Confidence: 0.9241506

00:39:27.888 --> 00:39:29.720 the recruitment so that people can

NOTE Confidence: 0.9241506

00:39:29.720 --> 00:39:33.677 come to us and help us answer all of

NOTE Confidence: 0.9241506

00:39:33.680 --> 00:39:37.240 these questions that we all have, but

NOTE Confidence: 0.9241506

00:39:37.360 --> 00:39:38.400 because we are part

NOTE Confidence: 0.9241506

00:39:38.400 --> 00:39:39.840 of the community and

NOTE Confidence: 0.9241506

00:39:40.040 --> 00:39:40.679 you know this

NOTE Confidence: 0.9241506

00:39:40.680 --> 00:39:41.976 is, this is part of what

NOTE Confidence: 0.9241506

00:39:41.976 --> 00:39:44.120 we need to do. And So

NOTE Confidence: 0.37542272

00:39:44.640 --> 00:39:45.360 what we do

NOTE Confidence: 0.37542272

00:39:45.360 --> 00:39:48.400 for example is that we've got imaging studies

NOTE Confidence: 0.37542272

00:39:48.400 --> 00:39:49.800 looking at the brain when

NOTE Confidence: 0.37542272

69

00:39:49.800 --> 00:39:52.480 someone is depressed. We have

NOTE Confidence: 0.37542272

00:39:53.160 --> 00:39:55.158 experimental treatments that have

NOTE Confidence: 0.37542272

00:39:55.160 --> 00:39:57.638 been shown to be useful in adults

NOTE Confidence: 0.37542272

00:39:57.640 --> 00:40:00.000 like ketamine or ischetamine.

NOTE Confidence: 0.37542272

00:40:00.320 --> 00:40:02.760 And through our partnership with big

NOTE Confidence: 0.37542272

00:40:02.760 --> 00:40:06.200 Pharma and through other foundations,

NOTE Confidence: 0.37542272

00:40:06.200 --> 00:40:08.728 we've been able to find and

NOTE Confidence: 0.37542272

00:40:08.728 --> 00:40:12.720 get evidence based. Result

NOTE Confidence: 0.49763596

00:40:12.840 --> 00:40:14.040 to show if it works

NOTE Confidence: 0.49763596

00:40:14.040 --> 00:40:15.755 or if it doesn't work in kids.

NOTE Confidence: 0.49763596

00:40:16.960 --> 00:40:19.240 Long story short, our RO one looking at

NOTE Confidence: 0.49763596

00:40:19.240 --> 00:40:20.592 ketamine for treatment resistant

NOTE Confidence: 0.49763596

00:40:20.592 --> 00:40:22.880 depression and one of the really nice

NOTE Confidence: 0.49763596

00:40:22.880 --> 00:40:24.756 things about being a child study center

NOTE Confidence: 0.49763596

00:40:25.120 --> 00:40:29.080 is that we've been able to capture and

NOTE Confidence: 0.49763596

00:40:29.080 --> 00:40:33.196 recruit a wide variety of participants

NOTE Confidence: 0.49763596

00:40:33.200 --> 00:40:36.845 of all ethnic backgrounds of all groups.

NOTE Confidence: 0.49763596

00:40:36.845 --> 00:40:38.784 And so I think that's one of

NOTE Confidence: 0.49763596

00:40:38.784 --> 00:40:39.845 the privileges of working here.

NOTE Confidence: 0.49763596

00:40:39.845 --> 00:40:41.400 And I'll throw it back to you, Linda.

NOTE Confidence: 0.49260056

00:40:42.440 --> 00:40:46.120 Thank you so much. Andy, any other questions?

NOTE Confidence: 0.49260056

00:40:49.440 --> 00:40:51.596 Let's move on to our second panel.

NOTE Confidence: 0.49260056

00:40:55.560 --> 00:40:58.800 And let me just introduce the second panel.

NOTE Confidence: 0.49260056

00:40:58.800 --> 00:41:00.364 In our second panel,

NOTE Confidence: 0.49260056

00:41:00.364 --> 00:41:02.319 we turn to our researchers.

NOTE Confidence: 0.49260056

00:41:02.320 --> 00:41:04.966 Three of our researchers on Doctor

NOTE Confidence: 0.49260056

00:41:04.966 --> 00:41:07.839 Kasha Habarska is the BD Professor,

NOTE Confidence: 0.49260056

00:41:07.840 --> 00:41:08.970 Child Psychiatry,

NOTE Confidence: 0.49260056

00:41:08.970 --> 00:41:12.360 Pediatrics and Statistics in Data Science.

NOTE Confidence: 0.49260056

00:41:12.360 --> 00:41:15.084 She's also the Director of the

NOTE Confidence: 0.49260056

00:41:15.084 --> 00:41:16.446 Toddler Developmental Disabilities

NOTE Confidence: 0.49260056

00:41:16.446 --> 00:41:19.076 Clinic and the Social and Affective

NOTE Confidence: 0.49260056

00:41:19.076 --> 00:41:20.760 Neuroscience of Autism Program.

NOTE Confidence: 0.49260056

00:41:20.760 --> 00:41:22.510 Doctor Tom Fernandez is Associate

NOTE Confidence: 0.49260056

00:41:22.510 --> 00:41:24.260 Professor and Vice Chair for

NOTE Confidence: 0.49260056

00:41:24.316 --> 00:41:26.576 Research for the Department and Co

NOTE Confidence: 0.49260056

00:41:26.576 --> 00:41:29.152 Director of the Tick and OCD Program,

NOTE Confidence: 0.49260056

00:41:29.160 --> 00:41:31.533 and Doctor Alan Gerber is a postdoctoral

NOTE Confidence: 0.49260056

00:41:31.533 --> 00:41:34.661 fellow in the Mcpartland Lab and the

NOTE Confidence: 0.49260056

00:41:34.661 --> 00:41:36.194 Developmental Disabilities Clinic.

NOTE Confidence: 0.49260056

00:41:36.200 --> 00:41:37.256 So I believe, Kasha,

NOTE Confidence: 0.49260056

00:41:37.256 --> 00:41:38.840 may I turn to you first?

NOTE Confidence: 0.7539611

00:41:41.400 --> 00:41:42.255 Yes, thank you.

NOTE Confidence: 0.7539611

00:41:42.255 --> 00:41:43.815 Thank you very much, Linda,

NOTE Confidence: 0.7539611

00:41:43.815 --> 00:41:45.060 for the introduction.

NOTE Confidence: 0.7539611

00:41:45.060 --> 00:41:48.000 It's a great pleasure to be here.

NOTE Confidence: 0.7539611

00:41:48.000 --> 00:41:52.400 And when Tom Allen and I were

NOTE Confidence: 0.7539611

00:41:52.400 --> 00:41:54.560 discussing this panel, we were one,

NOTE Confidence: 0.7539611

00:41:54.560 --> 00:41:56.766 we were we were thinking about, you know,

NOTE Confidence: 0.7539611

00:41:56.766 --> 00:41:58.607 what are the themes that are really

NOTE Confidence: 0.7539611

00:41:58.607 --> 00:42:00.398 important for our clinical research work.

NOTE Confidence: 0.7539611

00:42:00.400 --> 00:42:05.539 And we touch upon 2 mentorship and the

NOTE Confidence: 0.7539611

00:42:05.539 --> 00:42:09.556 inspiration that we get from our patients,

NOTE Confidence: 0.7539611

00:42:09.556 --> 00:42:11.751 inspiration that helps us define

NOTE Confidence: 0.7539611

00:42:11.751 --> 00:42:14.376 what we do and how we do it in

NOTE Confidence: 0.7539611

00:42:14.376 --> 00:42:19.198 in our in our path to discovery.

NOTE Confidence: 0.7539611

00:42:19.200 --> 00:42:22.638 I work with children with autism,

NOTE Confidence: 0.7539611

00:42:22.640 --> 00:42:23.722 babies, toddlers,

NOTE Confidence: 0.7539611

00:42:23.722 --> 00:42:27.509 and in our practice we see many

NOTE Confidence: 0.7539611

00:42:27.509 --> 00:42:30.760 toddlers with unusual characteristics

NOTE Confidence: 0.7539611

00:42:30.760 --> 00:42:34.911 that do not fit the very neat

NOTE Confidence: 0.7539611

00:42:34.911 --> 00:42:38.040 diagnostic criteria and categories.

NOTE Confidence: 0.7539611

00:42:38.040 --> 00:42:40.128 And today I would like to tell you

NOTE Confidence: 0.7539611

00:42:40.128 --> 00:42:42.840 about a new line of research which was

NOTE Confidence: 0.7539611

00:42:42.840 --> 00:42:46.570 inspired by a little girl who as an

NOTE Confidence: 0.7539611

00:42:46.570 --> 00:42:49.120 infant developed some unusual behavior,

NOTE Confidence: 0.7539611

00:42:49.120 --> 00:42:51.055 unusual motor behavior,

NOTE Confidence: 0.7539611

00:42:51.055 --> 00:42:54.280 which we call motor stereotypies.

NOTE Confidence: 0.7539611

00:42:54.280 --> 00:42:56.500 So you might ask yourself what

NOTE Confidence: 0.7539611

00:42:56.500 --> 00:42:59.040 on earth are motor stereotypies?

NOTE Confidence: 0.7539611

00:42:59.040 --> 00:42:59.400 Well,

NOTE Confidence: 0.7539611

00:42:59.400 --> 00:43:01.560 they are rhythmic and repetitive movements.

NOTE Confidence: 0.7539611

00:43:01.560 --> 00:43:05.728 They can involve hands, body or head.

NOTE Confidence: 0.7539611

00:43:05.728 --> 00:43:08.512 And you know we typically see

NOTE Confidence: 0.7539611

00:43:08.512 --> 00:43:13.153 them in autism and and in various

NOTE Confidence: 0.7539611

00:43:13.153 --> 00:43:14.595 neurological conditions.

NOTE Confidence: 0.7539611

00:43:14.600 --> 00:43:17.854 But as we are learning now we they're

NOTE Confidence: 0.7539611

00:43:17.854 --> 00:43:21.016 also often present in children who

74

NOTE Confidence: 0.7539611

00:43:21.016 --> 00:43:24.039 are otherwise developing typically.

NOTE Confidence: 0.7539611

00:43:24.040 --> 00:43:26.928 And I would like to take this

NOTE Confidence: 0.7539611

00:43:26.928 --> 00:43:29.232 opportunity and and show you a

NOTE Confidence: 0.7539611

00:43:29.232 --> 00:43:31.128 video and and I would like to do

NOTE Confidence: 0.7539611

00:43:31.128 --> 00:43:32.689 it for for two reasons why I'd

NOTE Confidence: 0.7539611

00:43:32.689 --> 00:43:34.439 like you to you to understand the

NOTE Confidence: 0.7539611

00:43:34.440 --> 00:43:35.840 mother stereotypes a little better.

NOTE Confidence: 0.7539611

00:43:35.840 --> 00:43:39.170 But also this video was shared

NOTE Confidence: 0.7539611

00:43:39.170 --> 00:43:42.346 by a family who of a girl who is

NOTE Confidence: 0.7539611

00:43:42.346 --> 00:43:44.080 affected by these mother stereotypes.

NOTE Confidence: 0.7539611

00:43:44.080 --> 00:43:47.590 And the family is very invested

NOTE Confidence: 0.7539611

00:43:47.590 --> 00:43:50.040 in sharing their experiences,

NOTE Confidence: 0.38471556

00:43:55.180 --> 00:43:57.764 invested in disseminating knowledge

NOTE Confidence: 0.38471556

00:43:57.764 --> 00:44:00.994 about mother stereotypes and raising

NOTE Confidence: 0.38471556

00:44:00.994 --> 00:44:04.168 awareness among professionals and and

NOTE Confidence: 0.38471556

00:44:04.168 --> 00:44:06.538 hopefully in the future increasing

NOTE Confidence: 0.38471556

00:44:06.540 --> 00:44:09.035 both understanding of this phenomenon

NOTE Confidence: 0.38471556

00:44:09.035 --> 00:44:11.031 but also understanding improving

NOTE Confidence: 0.38471556

00:44:11.031 --> 00:44:12.860 clinical care for these kids.

NOTE Confidence: 0.38471556

00:44:14.980 --> 00:44:17.780 And I would like to make sure that I can.

NOTE Confidence: 0.38471556

00:44:17.780 --> 00:44:21.380 I'm doing it right, but here we go.

NOTE Confidence: 0.38471556

00:44:21.380 --> 00:44:23.678 All right. Can you see that?

NOTE Confidence: 0.38471556

00:44:23.680 --> 00:44:25.283 So this is, this is a beautiful

NOTE Confidence: 0.38471556

00:44:25.283 --> 00:44:26.559 little girl and he's about,

NOTE Confidence: 0.38471556

00:44:26.560 --> 00:44:30.897 she's about six months old and she

NOTE Confidence: 0.38471556

00:44:30.897 --> 00:44:33.982 started doing these little things

NOTE Confidence: 0.38471556

00:44:33.982 --> 00:44:36.736 which kind of look cute, but actually

NOTE Confidence: 0.38471556

00:44:36.736 --> 00:44:38.160 they're they're stereotype movements.

NOTE Confidence: 0.38471556

00:44:38.160 --> 00:44:40.720 They are accompanied by a lot of motor

NOTE Confidence: 0.38471556

00:44:40.720 --> 00:44:42.997 activity and they were happening many,

NOTE Confidence: 0.38471556

00:44:43.000 --> 00:44:45.076 many times during the day which

00:44:45.080 --> 00:44:47.260 make parents think that perhaps

00:44:47.260 --> 00:44:49.440 their little girl has seizures.

00:44:49.440 --> 00:44:52.524 She was seen by a neurologist

00:44:52.524 --> 00:44:54.252 and seizures were ruled out.

00:44:54.252 --> 00:44:57.561 And then when she was a little older and her

00:44:57.561 --> 00:45:00.766 mother skills became more a little better,

00:45:00.766 --> 00:45:03.167 she was doing a lot of these

00:45:03.167 --> 00:45:05.437 kind of I'm calling them happy,

00:45:05.440 --> 00:45:07.024 happy hands,

00:45:07.024 --> 00:45:09.400 happy feet movements.

00:45:09.400 --> 00:45:10.520 They kind of look cute,

00:45:10.520 --> 00:45:12.596 but if they are repeated many,

00:45:12.600 --> 00:45:14.371 many times during the day and they

00:45:14.371 --> 00:45:16.078 do not appear to be functional,

00:45:16.080 --> 00:45:18.915 this is when begin we begin to

00:45:18.915 --> 00:45:20.678 worry and this is when we met her.

NOTE Confidence: 0.38471556

00:45:20.680 --> 00:45:23.398 She was about 18 months old.

NOTE Confidence: 0.38471556

00:45:23.400 --> 00:45:25.112 These movements continue and

NOTE Confidence: 0.38471556

00:45:25.112 --> 00:45:27.680 and and are accompanied by some

NOTE Confidence: 0.38471556

00:45:27.753 --> 00:45:29.679 additional modern movement.

NOTE Confidence: 0.82692873

00:45:31.840 --> 00:45:34.395 These kind of movements emerge very early,

NOTE Confidence: 0.82692873

00:45:34.400 --> 00:45:36.740 emerge in infancy, continue

NOTE Confidence: 0.82692873

00:45:36.740 --> 00:45:39.080 throughout childhood into adulthood.

NOTE Confidence: 0.82692873

00:45:39.080 --> 00:45:40.814 Tom Fernandez, who is going to

NOTE Confidence: 0.82692873

00:45:40.814 --> 00:45:43.239 speak after me is doing some very

NOTE Confidence: 0.82692873

00:45:43.239 --> 00:45:45.239 interesting work trying to understand

NOTE Confidence: 0.82692873

00:45:45.240 --> 00:45:47.088 how what the adult outcomes may

NOTE Confidence: 0.82692873

00:45:47.088 --> 00:45:49.400 look like in some of the children.

NOTE Confidence: 0.82692873

00:45:49.400 --> 00:45:51.698 This kind of movements may be

NOTE Confidence: 0.82692873

00:45:51.698 --> 00:45:54.319 mild or could be very severe,

NOTE Confidence: 0.82692873

00:45:54.320 --> 00:45:57.155 in some cases leading to self injury.

NOTE Confidence: 0.49541318

00:45:59.200 --> 00:46:00.148 It is not clear.

NOTE Confidence: 0.49541318

00:46:00.148 --> 00:46:01.333 Despite the fact that they

NOTE Confidence: 0.49541318

00:46:01.333 --> 00:46:02.839 are so behaviorally obvious.

NOTE Confidence: 0.49541318

00:46:02.840 --> 00:46:06.235 It is not clear what causes them

NOTE Confidence: 0.49541318

00:46:06.240 --> 00:46:08.035 and whether the mother stereotypies

NOTE Confidence: 0.49541318

00:46:08.035 --> 00:46:10.528 we see in children and autism and

NOTE Confidence: 0.49541318

00:46:10.528 --> 00:46:12.424 in children who are otherwise seem

NOTE Confidence: 0.49541318

00:46:12.424 --> 00:46:14.559 to be developing typically and

NOTE Confidence: 0.49541318

00:46:14.559 --> 00:46:17.028 really sharing the same mechanisms

NOTE Confidence: 0.49541318

00:46:17.028 --> 00:46:20.429 and and we don't know how to how

NOTE Confidence: 0.49541318

00:46:20.429 --> 00:46:22.550 to treat them and when to treat

NOTE Confidence: 0.49541318

00:46:22.626 --> 00:46:24.702 them and whether we really need

NOTE Confidence: 0.49541318

00:46:24.702 --> 00:46:26.959 to treat them in some cases.

NOTE Confidence: 0.49541318

00:46:26.960 --> 00:46:30.700 Importantly there are no clinics that

NOTE Confidence: 0.49541318

00:46:30.700 --> 00:46:34.420 specialize in in care of children

NOTE Confidence: 0.49541318

00:46:34.420 --> 00:46:37.213 with modern stereotypes to my best

NOTE Confidence: 0.49541318

00:46:37.213 --> 00:46:39.079 knowledge there there is one or

NOTE Confidence: 0.49541318

00:46:39.079 --> 00:46:41.330 the worst one which was which is

NOTE Confidence: 0.49541318

00:46:41.330 --> 00:46:43.800 about to close at at Johns Hopkins.

NOTE Confidence: 0.49541318

00:46:43.800 --> 00:46:47.192 So the families who are because children

NOTE Confidence: 0.49541318

00:46:47.192 --> 00:46:49.172 are affected by mother's stereotypies

NOTE Confidence: 0.49541318

00:46:49.172 --> 00:46:52.360 really have to rely on on on care,

NOTE Confidence: 0.49541318

00:46:52.360 --> 00:46:56.944 on rather fragmented care and often

NOTE Confidence: 0.49541318

00:46:56.944 --> 00:46:59.708 receive quite conflicted opinions

NOTE Confidence: 0.49541318

00:46:59.708 --> 00:47:02.823 about what it is and what whether

NOTE Confidence: 0.49541318

00:47:02.823 --> 00:47:04.944 the children should or should not be

NOTE Confidence: 0.49541318

00:47:04.944 --> 00:47:06.880 treated and if So what in what way.

NOTE Confidence: 0.41354388

00:47:09.480 --> 00:47:15.208 So I'm. I'm really happy to tell you that

NOTE Confidence: 0.41354388

00:47:15.208 --> 00:47:18.070 that we've partner with several our our

NOTE Confidence: 0.41354388

00:47:18.070 --> 00:47:20.762 colleagues here at the Child Study Center

NOTE Confidence: 0.41354388

00:47:20.762 --> 00:47:23.640 and at the Department of Paediatrics.

NOTE Confidence: 0.41354388

00:47:23.640 --> 00:47:26.536 What Tom and I are working very closely

NOTE Confidence: 0.41354388

00:47:26.536 --> 00:47:29.448 on this project and we have established

NOTE Confidence: 0.41354388

00:47:29.448 --> 00:47:32.489 a new line of research that's focused

NOTE Confidence: 0.41354388

00:47:32.489 --> 00:47:35.466 specifically on motor stereotypes and

NOTE Confidence: 0.41354388

00:47:35.466 --> 00:47:37.650 we're investigating investigating them

NOTE Confidence: 0.41354388

00:47:37.650 --> 00:47:42.087 in the context of other early onset

NOTE Confidence: 0.41354388

00:47:42.087 --> 00:47:44.520 complex neurodevelopmental disorders.

NOTE Confidence: 0.41354388

00:47:44.520 --> 00:47:48.258 We call our program CONDI or complex

NOTE Confidence: 0.41354388

00:47:48.258 --> 00:47:50.716 for new neurodevelopmental conditions

NOTE Confidence: 0.41354388

00:47:50.716 --> 00:47:54.210 program And we've been in operation

NOTE Confidence: 0.41354388

00:47:54.210 --> 00:47:57.560 from spring and and we've been,

NOTE Confidence: 0.41354388

00:47:57.560 --> 00:48:00.704 we've we have created a several

NOTE Confidence: 0.41354388

00:48:00.704 --> 00:48:02.240 course within this program.

NOTE Confidence: 0.41354388

00:48:02.240 --> 00:48:05.114 One of them involves clinical phenotyping

NOTE Confidence: 0.41354388

00:48:05.114 --> 00:48:08.159 or clinical assessment for these children.

NOTE Confidence: 0.41354388

00:48:08.160 --> 00:48:09.864 And if you're interested in hearing

NOTE Confidence: 0.41354388

00:48:09.864 --> 00:48:11.761 a little bit more about patient

NOTE Confidence: 0.41354388

00:48:11.761 --> 00:48:13.157 care within this context,

NOTE Confidence: 0.41354388

00:48:13.160 --> 00:48:15.164 I would strongly encourage you to

NOTE Confidence: 0.41354388

00:48:15.164 --> 00:48:17.759 take a look at one of the videos

NOTE Confidence: 0.41354388

00:48:17.760 --> 00:48:21.799 that was produced by my colleague Dr.

NOTE Confidence: 0.41354388

00:48:21.800 --> 00:48:24.599 Mariana Torres Miso.

NOTE Confidence: 0.41354388

00:48:24.600 --> 00:48:28.338 We also are trying to understand the

NOTE Confidence: 0.41354388

00:48:28.338 --> 00:48:31.316 underlying pathology and behind these

NOTE Confidence: 0.41354388

00:48:31.316 --> 00:48:34.120 behaviors using integrated approaches.

NOTE Confidence: 0.41354388

00:48:34.120 --> 00:48:36.992 We are developing research

NOTE Confidence: 0.41354388

00:48:36.992 --> 00:48:39.840 paradigms that involve imaging,

NOTE Confidence: 0.41354388

00:48:39.840 --> 00:48:42.320 genetics,

NOTE Confidence: 0.41354388

00:48:42.320 --> 00:48:45.000 eye tracking studies and also

NOTE Confidence: 0.41354388

00:48:45.000 --> 00:48:47.144 physiological studies which might

NOTE Confidence: 0.41354388

00:48:47.144 --> 00:48:49.600 help us map out the underlying

00:48:49.600 --> 00:48:52.120 processes and help us understand a

00:48:52.203 --> 00:48:54.639 little bit that better this very,

00:48:54.640 --> 00:48:56.560 very complex phenomena.

00:48:56.560 --> 00:48:59.382 We are also doing something

00:48:59.382 --> 00:49:01.637 that we call data mining,

00:49:01.640 --> 00:49:06.370 which means that we are basically and

00:49:06.370 --> 00:49:08.820 analyzing large databases which will

00:49:08.820 --> 00:49:12.088 help us understand these these complex

00:49:12.088 --> 00:49:15.158 phenomena from some different perspectives.

00:49:15.160 --> 00:49:17.905 Now you know these,

00:49:17.905 --> 00:49:18.340 these,

00:49:18.340 --> 00:49:20.840 this kind of work represents to

00:49:20.840 --> 00:49:23.080 some extent A paradigm shift in what

00:49:23.080 --> 00:49:25.445 we typically do in developmental

00:49:25.445 --> 00:49:25.999 psychopathology.

00:49:26.000 --> 00:49:28.316 Typically we focus on a single

NOTE Confidence: 0.41354388

00:49:28.316 --> 00:49:30.520 disorder and we study children

NOTE Confidence: 0.41354388

00:49:30.520 --> 00:49:32.840 with that particular disorder.

NOTE Confidence: 0.41354388

00:49:32.840 --> 00:49:35.024 In this case we are taking

NOTE Confidence: 0.41354388

00:49:35.024 --> 00:49:36.116 a transdiagnostic approach.

NOTE Confidence: 0.41354388

00:49:36.120 --> 00:49:38.280 We are actually interested in

NOTE Confidence: 0.41354388

00:49:38.280 --> 00:49:40.945 children with variety of diagnosis who

NOTE Confidence: 0.41354388

00:49:40.945 --> 00:49:43.470 experience a modern stereotypes and

NOTE Confidence: 0.41354388

00:49:43.470 --> 00:49:46.359 try to understand what's what what,

NOTE Confidence: 0.41354388

00:49:46.360 --> 00:49:49.560 what kind of underlying processes

NOTE Confidence: 0.41354388

00:49:49.560 --> 00:49:52.120 do these children share.

NOTE Confidence: 0.41354388

00:49:52.120 --> 00:49:52.460 You know,

NOTE Confidence: 0.41354388

00:49:52.460 --> 00:49:56.910 we we can be inspired by our patients.

NOTE Confidence: 0.41354388

00:49:56.910 --> 00:50:00.960 We can have tremendous expertise.

NOTE Confidence: 0.41354388

00:50:00.960 --> 00:50:04.712 But we wouldn't be able to do any

NOTE Confidence: 0.41354388

00:50:04.712 --> 00:50:06.346 of this exciting, innovative,

NOTE Confidence: 0.41354388

00:50:06.346 --> 00:50:10.506 high risk work without a tremendous

NOTE Confidence: 0.41354388

00:50:10.506 --> 00:50:12.636 support of of our associates.

NOTE Confidence: 0.41354388

00:50:12.640 --> 00:50:16.708 And I wanted to extend my deepest

NOTE Confidence: 0.41354388

00:50:16.708 --> 00:50:18.878 and more sincere thanks to

NOTE Confidence: 0.85381

00:50:21.240 --> 00:50:26.444 to our supporters to the Virginia and

NOTE Confidence: 0.85381

00:50:26.444 --> 00:50:29.510 Leonard Marks Foundation and and more

NOTE Confidence: 0.85381

00:50:29.510 --> 00:50:32.750 specifically our our friends Jennifer and

NOTE Confidence: 0.85381

00:50:32.750 --> 00:50:36.440 Bud Gruenberg for supporting this work.

NOTE Confidence: 0.85381

00:50:36.440 --> 00:50:39.112 I also wanted to mention to you that

NOTE Confidence: 0.85381

00:50:39.112 --> 00:50:41.676 this kind of this kind of programs,

NOTE Confidence: 0.85381

00:50:41.680 --> 00:50:45.512 these these kind of research and

NOTE Confidence: 0.85381

00:50:45.512 --> 00:50:47.692 clinical environments and rich research

NOTE Confidence: 0.85381

00:50:47.692 --> 00:50:50.256 and clinical environments create a

NOTE Confidence: 0.85381

00:50:50.256 --> 00:50:52.768 tremendous opportunities for fostering

NOTE Confidence: 0.85381

00:50:52.768 --> 00:50:56.719 the next generation of of researchers.

NOTE Confidence: 0.85381

00:50:56.720 --> 00:51:00.816 And I would just like to flag a couple of
NOTE Confidence: 0.85381

00:51:00.816 --> 00:51:03.984 several presentations that you can take
NOTE Confidence: 0.85381

00:51:03.984 --> 00:51:08.566 a look at in that are included in in our
NOTE Confidence: 0.85381

00:51:08.566 --> 00:51:12.840 offline collection by two very talented
NOTE Confidence: 0.4190234

00:51:15.360 --> 00:51:17.736 trainees who are who just graduated
NOTE Confidence: 0.4190234

00:51:17.736 --> 00:51:20.525 from college and spent two years with
NOTE Confidence: 0.4190234

00:51:20.525 --> 00:51:23.157 us on getting ready for graduate career.
NOTE Confidence: 0.29331246

00:51:25.240 --> 00:51:28.168 We have Emily and and Kat and also
NOTE Confidence: 0.29331246

00:51:28.168 --> 00:51:31.830 I would like to highlight two young
NOTE Confidence: 0.29331246

00:51:31.830 --> 00:51:33.918 researchers Anjuna Vernetti and
NOTE Confidence: 0.29331246

00:51:33.918 --> 00:51:36.954 and Sarah Sanchez Alonso who are
NOTE Confidence: 0.29331246

00:51:36.954 --> 00:51:39.548 developing a new lines of research
NOTE Confidence: 0.29331246

00:51:39.548 --> 00:51:42.506 utilizing some of the exciting new
NOTE Confidence: 0.29331246

00:51:42.506 --> 00:51:45.871 technology involving live eye tracking
NOTE Confidence: 0.29331246

00:51:45.871 --> 00:51:49.560 and F news technology. No. Since
NOTE Confidence: 0.50139153

00:51:49.600 --> 00:51:51.160 we're also talking about

NOTE Confidence: 0.50139153

00:51:52.200 --> 00:51:54.976 mentors, I would like to just since

NOTE Confidence: 0.50139153

00:51:54.976 --> 00:51:57.272 many of you know Fred very well,

NOTE Confidence: 0.50139153

00:51:57.280 --> 00:52:00.115 I would like to acknowledge

NOTE Confidence: 0.50139153

00:52:00.115 --> 00:52:04.000 him and see if he just retired.

NOTE Confidence: 0.50139153

00:52:04.000 --> 00:52:07.297 And and thanks for all the knowledge

NOTE Confidence: 0.50139153

00:52:07.297 --> 00:52:10.032 and entertainment that we had together.

NOTE Confidence: 0.50139153

00:52:10.032 --> 00:52:12.640 And and Fred would say, you know,

NOTE Confidence: 0.50139153

00:52:12.640 --> 00:52:15.280 there's never a dull moment.

NOTE Confidence: 0.50139153

00:52:15.280 --> 00:52:17.611 So thank you very much for your

NOTE Confidence: 0.50139153

00:52:17.611 --> 00:52:19.720 attention and answer questions. We'll

NOTE Confidence: 0.33788753

00:52:19.720 --> 00:52:21.638 move over. We'll move to Tom now.

NOTE Confidence: 0.33788753

00:52:21.640 --> 00:52:22.840 Thank you so much. Tom,

NOTE Confidence: 0.33788753

00:52:26.840 --> 00:52:28.312 thank you. Just going to

NOTE Confidence: 0.33788753

00:52:28.312 --> 00:52:29.640 share my screen. Yes, please.

NOTE Confidence: 0.33788753

00:52:31.760 --> 00:52:33.320 OK. Hi, everyone.

NOTE Confidence: 0.33788753

00:52:33.320 --> 00:52:35.695 So I'm Tom Fernandez, associate

NOTE Confidence: 0.33788753

00:52:35.695 --> 00:52:37.760 professor in Child Study Center and Vice

NOTE Confidence: 0.33788753

00:52:37.760 --> 00:52:39.800 chair of research for the department.

NOTE Confidence: 0.33788753

00:52:39.800 --> 00:52:42.320 I am also a Co director.

NOTE Confidence: 0.33788753

00:52:42.320 --> 00:52:45.513 Oh, excuse me one second. Yep.

NOTE Confidence: 0.33788753

00:52:45.513 --> 00:52:47.871 Co Director of our Tourette's Syndrome

NOTE Confidence: 0.33788753

00:52:47.871 --> 00:52:51.880 and OCD program in the child Study Center.

NOTE Confidence: 0.33788753

00:52:51.880 --> 00:52:53.040 We have a great team.

NOTE Confidence: 0.33788753

00:52:53.040 --> 00:52:55.704 You'll see them on the screen here.

NOTE Confidence: 0.33788753

00:52:55.704 --> 00:52:57.400 Co Director, Michael Block,

NOTE Confidence: 0.33788753

00:52:57.400 --> 00:53:01.210 I just want to highlight and there are two

NOTE Confidence: 0.33788753

00:53:01.210 --> 00:53:03.320 mentors that who passed the baton to us,

NOTE Confidence: 0.33788753

00:53:03.320 --> 00:53:05.160 the former Co directors,

NOTE Confidence: 0.33788753

00:53:05.160 --> 00:53:06.962 Jim Blackman and Bob King.

NOTE Confidence: 0.33788753

00:53:06.962 --> 00:53:09.020 We really have a great team of

NOTE Confidence: 0.33788753

00:53:09.091 --> 00:53:11.345 clinicians and mentors in the in

NOTE Confidence: 0.33788753

00:53:11.345 --> 00:53:13.612 the program and we are a Tourette's

NOTE Confidence: 0.33788753

00:53:13.612 --> 00:53:15.740 Syndrome Center of Excellence

NOTE Confidence: 0.33788753

00:53:15.740 --> 00:53:18.400 acknowledged by the tourist Association.

NOTE Confidence: 0.33788753

00:53:18.400 --> 00:53:20.182 And you know in addition to

NOTE Confidence: 0.33788753

00:53:20.182 --> 00:53:21.073 the clinical work,

NOTE Confidence: 0.33788753

00:53:21.080 --> 00:53:26.120 I also do genetics research and have

NOTE Confidence: 0.33788753

00:53:26.120 --> 00:53:28.400 a neuropsychiatric genetics lab.

NOTE Confidence: 0.33788753

00:53:28.400 --> 00:53:32.143 And we do a lot of sequencing of DNA,

NOTE Confidence: 0.33788753

00:53:32.143 --> 00:53:34.429 of children that come through our

NOTE Confidence: 0.33788753

00:53:34.429 --> 00:53:36.856 clinic and others with the goal of

NOTE Confidence: 0.33788753

00:53:36.856 --> 00:53:38.860 trying to discover risk genes for

NOTE Confidence: 0.33788753

00:53:38.935 --> 00:53:40.840 these disorders and discovering the

NOTE Confidence: 0.33788753

00:53:40.840 --> 00:53:43.689 risk genes so that we can understand

NOTE Confidence: 0.33788753

00:53:43.689 --> 00:53:45.730 the biology and that with the hope

NOTE Confidence: 0.33788753

00:53:45.730 --> 00:53:47.367 that these will lead us toward

NOTE Confidence: 0.33788753

00:53:47.367 --> 00:53:48.999 new treatments and interventions.

NOTE Confidence: 0.9634364

00:53:51.120 --> 00:53:52.639 And I really love what I do.

NOTE Confidence: 0.9634364

00:53:52.640 --> 00:53:54.334 I mean, I think the only complaint

NOTE Confidence: 0.9634364

00:53:54.334 --> 00:53:56.123 that I would have is that there's

NOTE Confidence: 0.9634364

00:53:56.123 --> 00:53:58.135 just not enough hours in the day to

NOTE Confidence: 0.9634364

00:53:58.135 --> 00:53:59.656 do all the things that, you know,

NOTE Confidence: 0.9634364

00:53:59.656 --> 00:54:01.112 I think that we should be doing.

NOTE Confidence: 0.9634364

00:54:03.560 --> 00:54:05.560 And for me, there's really, you know,

NOTE Confidence: 0.9634364

00:54:05.560 --> 00:54:07.060 there's really nothing better than

NOTE Confidence: 0.9634364

00:54:07.060 --> 00:54:09.400 working on science that's going to teach

NOTE Confidence: 0.9634364

00:54:09.400 --> 00:54:11.524 us about these conditions with the goal

NOTE Confidence: 0.9634364

00:54:11.524 --> 00:54:13.120 of bringing them back to our patients.

NOTE Confidence: 0.9634364

00:54:13.120 --> 00:54:15.100 And this is what we call

NOTE Confidence: 0.9634364

00:54:15.100 --> 00:54:15.760 translational science.

NOTE Confidence: 0.9634364

00:54:15.760 --> 00:54:17.040 But here's what's so frustrating

NOTE Confidence: 0.9634364

00:54:17.040 --> 00:54:19.315 for me and I and I know for the

NOTE Confidence: 0.9634364

00:54:19.315 --> 00:54:20.991 families that we are trying to help

NOTE Confidence: 0.9634364

00:54:20.991 --> 00:54:23.840 and that is this statistic, 17 years,

NOTE Confidence: 0.9634364

00:54:23.840 --> 00:54:26.726 there's a 17 year gap between

NOTE Confidence: 0.9634364

00:54:26.726 --> 00:54:29.337 scientific discovery and getting them

NOTE Confidence: 0.9634364

00:54:29.337 --> 00:54:31.757 translated into clinical practice.

NOTE Confidence: 0.9634364

00:54:31.760 --> 00:54:33.998 And when I started out training,

NOTE Confidence: 0.9634364

00:54:34.000 --> 00:54:35.519 I was very skeptical of this number.

NOTE Confidence: 0.9634364

00:54:35.520 --> 00:54:36.820 This number has been floated

NOTE Confidence: 0.9634364

00:54:36.820 --> 00:54:38.120 around for a long time,

NOTE Confidence: 0.9634364

00:54:38.120 --> 00:54:40.280 but it just so happens that I'm about

NOTE Confidence: 0.9634364

00:54:40.280 --> 00:54:42.746 17 years out of graduating medical

NOTE Confidence: 0.9634364

00:54:42.746 --> 00:54:45.600 school and I can say that this,

NOTE Confidence: 0.9634364

00:54:45.600 --> 00:54:48.240 this absolutely is, if not precise,

NOTE Confidence: 0.9634364

00:54:48.240 --> 00:54:51.150 it's it's around there way

NOTE Confidence: 0.9634364

00:54:51.150 --> 00:54:53.133 too long and so one.

NOTE Confidence: 0.9634364

00:54:53.133 --> 00:54:54.759 So, So what do we do?

NOTE Confidence: 0.9634364

00:54:54.760 --> 00:54:55.920 I mean, this is really,

NOTE Confidence: 0.9634364

00:54:55.920 --> 00:54:57.216 in my mind,

NOTE Confidence: 0.9634364

00:54:57.216 --> 00:54:58.080 not acceptable.

NOTE Confidence: 0.9634364

00:54:58.080 --> 00:55:00.576 One thing is clear is we really need

NOTE Confidence: 0.9634364

00:55:00.576 --> 00:55:03.410 to have a deep bench of clinician

NOTE Confidence: 0.9634364

00:55:03.410 --> 00:55:06.040 scientists to do the innovative and

NOTE Confidence: 0.9634364

00:55:06.040 --> 00:55:07.736 translatable work that really needs

NOTE Confidence: 0.9634364

00:55:07.736 --> 00:55:09.640 to be done and make the difference.

NOTE Confidence: 0.9634364

00:55:09.640 --> 00:55:12.314 And one of my roles at Child

NOTE Confidence: 0.9634364

00:55:12.314 --> 00:55:14.840 Study Center is to advise Dr.

NOTE Confidence: 0.9634364

00:55:14.840 --> 00:55:15.280 Mason,

NOTE Confidence: 0.9634364

00:55:15.280 --> 00:55:17.235 the department on how we

NOTE Confidence: 0.9634364

00:55:17.235 --> 00:55:18.799 can grow new research,

NOTE Confidence: 0.9634364

00:55:18.800 --> 00:55:20.951 how we can do our part to grow the

NOTE Confidence: 0.9634364

00:55:20.951 --> 00:55:22.974 number of clinician scientists in

NOTE Confidence: 0.9634364

00:55:22.974 --> 00:55:25.119 pediatric and behavioral mental health.

NOTE Confidence: 0.9634364

00:55:25.120 --> 00:55:27.288 And I often think back to my journey

NOTE Confidence: 0.9634364

00:55:27.288 --> 00:55:29.727 and think about how I arrived at this

NOTE Confidence: 0.9634364

00:55:29.727 --> 00:55:31.957 great opportunity that I that I have now.

NOTE Confidence: 0.9634364

00:55:31.960 --> 00:55:33.872 And I think I'd like to share it

NOTE Confidence: 0.9634364

00:55:33.872 --> 00:55:36.103 with you very quickly because I think

NOTE Confidence: 0.9634364

00:55:36.103 --> 00:55:38.187 there's a few pivotal moments that

NOTE Confidence: 0.9634364

00:55:38.187 --> 00:55:41.283 taught me what I think we need to

NOTE Confidence: 0.9634364

00:55:41.283 --> 00:55:44.865 do in this field if we want to make

NOTE Confidence: 0.9634364

00:55:44.865 --> 00:55:47.120 some progress to closing this gap.

NOTE Confidence: 0.9634364

00:55:47.120 --> 00:55:50.760 And so soon after graduating college,

NOTE Confidence: 0.9634364

00:55:50.760 --> 00:55:52.860 I was trying to figure out

NOTE Confidence: 0.9634364

00:55:52.925 --> 00:55:54.395 what to do with my life,

NOTE Confidence: 0.9634364

00:55:54.400 --> 00:55:57.160 like most college graduates and

NOTE Confidence: 0.9634364

00:55:57.160 --> 00:55:59.799 applied for a fellowship at the NIH.

NOTE Confidence: 0.9634364

00:55:59.800 --> 00:56:02.520 And I was astounded that I was selected,

NOTE Confidence: 0.9634364

00:56:02.520 --> 00:56:04.280 not really knowing much

NOTE Confidence: 0.9634364

00:56:04.280 --> 00:56:06.040 about the health field.

NOTE Confidence: 0.9634364

00:56:06.040 --> 00:56:08.320 And I had the privilege of being mentored.

NOTE Confidence: 0.9634364

00:56:08.320 --> 00:56:10.970 And this was a kind of a random pair up

NOTE Confidence: 0.9634364

00:56:11.047 --> 00:56:13.468 with a remarkable clinician scientist,

NOTE Confidence: 0.9634364

00:56:13.468 --> 00:56:15.079 Doctor Judith Rapoport.

NOTE Confidence: 0.9634364

00:56:15.080 --> 00:56:15.896 And Dr.

NOTE Confidence: 0.9634364

00:56:15.896 --> 00:56:18.344 Rapoport was among the first to

NOTE Confidence: 0.9634364

00:56:18.344 --> 00:56:20.768 delve into complexities of early

NOTE Confidence: 0.9634364

00:56:20.768 --> 00:56:22.274 onset psychiatric disorders.

NOTE Confidence: 0.9634364

00:56:22.280 --> 00:56:23.888 And I remember on my arrival

NOTE Confidence: 0.9634364

00:56:23.888 --> 00:56:25.678 for my first day on the job,

NOTE Confidence: 0.9634364

00:56:25.680 --> 00:56:27.945 As for research assistant well

NOTE Confidence: 0.9634364

00:56:27.945 --> 00:56:29.757 #1 being extremely nervous.

NOTE Confidence: 0.9634364

00:56:29.760 --> 00:56:32.920 But on my desk she left me a copy of

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NOTE Confidence: 0.9634364

00:56:32.920 --> 00:56:35.080 a book that she recently published

NOTE Confidence: 0.9634364

00:56:35.080 --> 00:56:38.160 called The Boy Who Couldn't Stop Washing.

NOTE Confidence: 0.9634364

00:56:38.160 --> 00:56:40.600 This went on to become a best seller

NOTE Confidence: 0.9634364

00:56:40.600 --> 00:56:42.704 and really was a Seminole worker

NOTE Confidence: 0.9634364

00:56:42.704 --> 00:56:44.912 responsible for bringing widespread

NOTE Confidence: 0.9634364

00:56:44.912 --> 00:56:47.120 attention to obsessive compulsive

NOTE Confidence: 0.9634364

00:56:47.190 --> 00:56:49.894 disorder at a time when it was not

NOTE Confidence: 0.9634364

00:56:49.894 --> 00:56:51.479 widely understood or discussed.

NOTE Confidence: 0.9634364

00:56:51.480 --> 00:56:53.846 And I remember reading it and

NOTE Confidence: 0.9634364

00:56:53.846 --> 00:56:56.076 even just recently rereading it

NOTE Confidence: 0.9634364

00:56:56.080 --> 00:56:58.792 and being drawn into these vivid

NOTE Confidence: 0.9634364

00:56:58.792 --> 00:57:00.600 personal accounts of individuals,

NOTE Confidence: 0.9634364

00:57:00.600 --> 00:57:01.052 children,

NOTE Confidence: 0.9634364

00:57:01.052 --> 00:57:03.312 families with OCD and realizing

NOTE Confidence: 0.9634364

00:57:03.312 --> 00:57:05.120 that talking to patients

NOTE Confidence: 0.6662765

00:57:05.192 --> 00:57:07.692 and families and understanding their

NOTE Confidence: 0.6662765

00:57:07.692 --> 00:57:10.662 perspective is really a prerequisite and

NOTE Confidence: 0.6662765

00:57:10.662 --> 00:57:13.838 essential in order to know what research to

NOTE Confidence: 0.6662765

00:57:13.838 --> 00:57:16.280 prioritize and how to approach treatments.

NOTE Confidence: 0.6662765

00:57:16.280 --> 00:57:19.206 I also remember being amazed by the

NOTE Confidence: 0.6662765

00:57:19.206 --> 00:57:21.960 observation that she writes in her book,

NOTE Confidence: 0.6662765

00:57:21.960 --> 00:57:24.840 and this is 30 plus years ago now,

NOTE Confidence: 0.6662765

00:57:24.840 --> 00:57:27.952 that 20% or more patients have a close

NOTE Confidence: 0.6662765

00:57:27.952 --> 00:57:30.158 relative with the same problems,

NOTE Confidence: 0.6662765

00:57:30.160 --> 00:57:33.297 and some argue that this could be because of

NOTE Confidence: 0.6662765

00:57:33.297 --> 00:57:36.039 children copying behaviors of their parents.

NOTE Confidence: 0.6662765

00:57:36.040 --> 00:57:37.765 But for obsessive compulsive disorder

NOTE Confidence: 0.6662765

00:57:37.765 --> 00:57:40.421 and this is a disorder in which so

NOTE Confidence: 0.6662765

00:57:40.421 --> 00:57:42.437 much of the symptoms are kept private,

NOTE Confidence: 0.6662765

00:57:42.440 --> 00:57:44.155 this was unlikely to explain it all.

NOTE Confidence: 0.6662765

00:57:44.160 --> 00:57:47.265 So I, you know, remember that being a focus

00:57:47.265 --> 00:57:49.184 of my discussions with Doctor Rappaport,

00:57:49.184 --> 00:57:52.022 I also told her that I was really

00:57:52.022 --> 00:57:53.917 interested in maybe studying this,

00:57:53.920 --> 00:57:57.120 you know, and we studied genetics of OCD.

00:57:57.120 --> 00:57:58.744 She walked me down the hallway and

00:57:58.744 --> 00:58:00.360 introduced me to her friend Francis,

00:58:00.360 --> 00:58:02.118 who happened to be Francis Collins,

00:58:02.120 --> 00:58:04.120 who is the head of the Human Genome

00:58:04.120 --> 00:58:06.274 Research Institute at the time, who said,

00:58:06.274 --> 00:58:08.040 why don't you come sit in on my course?

00:58:08.040 --> 00:58:10.440 I'm teaching a course to

00:58:10.440 --> 00:58:11.820 undergraduates at Georgetown.

00:58:11.820 --> 00:58:13.760 Be willing to, you know,

00:58:13.760 --> 00:58:15.160 be happy to have you.

00:58:15.160 --> 00:58:17.988 And I said great and and really

00:58:17.988 --> 00:58:19.690 was astounded by, you know,

NOTE Confidence: 0.6662765

00:58:19.690 --> 00:58:21.650 and at that time we hadn't even had

NOTE Confidence: 0.6662765

00:58:21.713 --> 00:58:23.673 had a draft of the human genome yet,

NOTE Confidence: 0.6662765

00:58:23.680 --> 00:58:25.120 but really astounded by the,

NOTE Confidence: 0.6662765

00:58:25.120 --> 00:58:26.985 the promise of potential to

NOTE Confidence: 0.6662765

00:58:26.985 --> 00:58:28.477 apply this in psychiatry.

NOTE Confidence: 0.6662765

00:58:28.480 --> 00:58:29.540 And so with the knowledge

NOTE Confidence: 0.6662765

00:58:29.540 --> 00:58:30.600 I gained in this course,

NOTE Confidence: 0.6662765

00:58:30.600 --> 00:58:32.679 it actually led to my first paper,

NOTE Confidence: 0.6662765

00:58:32.680 --> 00:58:33.760 you know, before medical school.

NOTE Confidence: 0.6662765

00:58:33.760 --> 00:58:35.600 And this was looking at,

NOTE Confidence: 0.6662765

00:58:35.600 --> 00:58:36.680 and this is, you know,

NOTE Confidence: 0.6662765

00:58:36.680 --> 00:58:37.577 nowadays, you know,

NOTE Confidence: 0.6662765

00:58:37.577 --> 00:58:39.371 really it would not be accepted

NOTE Confidence: 0.6662765

00:58:39.371 --> 00:58:41.276 as a paper because we have much

NOTE Confidence: 0.6662765

00:58:41.280 --> 00:58:43.936 higher standards for genetics.

NOTE Confidence: 0.6662765

00:58:43.936 --> 00:58:45.760 But looking at things in childhood,

NOTE Confidence: 0.6662765

00:58:45.760 --> 00:58:46.914 onsite schizophrenia,

NOTE Confidence: 0.6662765

00:58:46.914 --> 00:58:49.799 Looking at Maple lipoprotein ileals.

NOTE Confidence: 0.6662765

00:58:49.800 --> 00:58:52.456 So almost done.

NOTE Confidence: 0.6662765

00:58:52.456 --> 00:58:54.796 Bringing Fast forward to being

NOTE Confidence: 0.6662765

00:58:54.796 --> 00:58:56.800 admitted to medical school.

NOTE Confidence: 0.6662765

00:58:56.800 --> 00:58:57.658 Doctor Andreas Martin.

NOTE Confidence: 0.6662765

00:58:57.658 --> 00:58:59.374 I don't know if you remember

NOTE Confidence: 0.6662765

00:58:59.374 --> 00:59:00.412 or not Doctor Martin,

NOTE Confidence: 0.6662765

00:59:00.412 --> 00:59:02.274 but you know you all remember it.

NOTE Confidence: 0.6662765

00:59:02.280 --> 00:59:03.876 But I don't know if Doctor Martin

NOTE Confidence: 0.6662765

00:59:03.880 --> 00:59:06.274 remembers that he was the first to

NOTE Confidence: 0.6662765

00:59:06.274 --> 00:59:08.599 introduce me to my primary mentor,

NOTE Confidence: 0.6662765

00:59:08.600 --> 00:59:09.950 Doctor Matthews State,

NOTE Confidence: 0.6662765

00:59:09.950 --> 00:59:12.650 because I had shared my interest

NOTE Confidence: 0.6662765

00:59:12.650 --> 00:59:15.038 in psychiatry and genetics.

NOTE Confidence: 0.6662765

00:59:15.040 --> 00:59:17.315 Doctor State was really my foremost mentor,

NOTE Confidence: 0.6662765

00:59:17.320 --> 00:59:19.696 teaching me everything about genetics and

NOTE Confidence: 0.6662765

00:59:19.696 --> 00:59:22.160 the sharing his excitement for the field.

NOTE Confidence: 0.6662765

00:59:22.160 --> 00:59:25.280 He's also a collision scientist and Doctor

NOTE Confidence: 0.6662765

00:59:25.280 --> 00:59:28.760 State introduced me to Herb Allison,

NOTE Confidence: 0.6662765

00:59:28.760 --> 00:59:31.352 one of our associates.

NOTE Confidence: 0.6662765

00:59:31.352 --> 00:59:32.000 Unfortunately,

NOTE Confidence: 0.6662765

00:59:32.000 --> 00:59:34.160 he he passed away about 10 years ago,

NOTE Confidence: 0.6662765

00:59:34.160 --> 00:59:37.856 but he was very interested in advancing

NOTE Confidence: 0.6662765

00:59:37.856 --> 00:59:41.036 this field and provided very generous

NOTE Confidence: 0.6662765

00:59:41.036 --> 00:59:44.480 funding that allowed me to start up

NOTE Confidence: 0.6662765

00:59:44.480 --> 00:59:46.820 some of the first DNA sequencing

NOTE Confidence: 0.6662765

00:59:46.820 --> 00:59:49.000 studies in obsessive compulsive disorder,

NOTE Confidence: 0.6662765

00:59:49.000 --> 00:59:50.971 also in ADHD,

NOTE Confidence: 0.6662765

00:59:50.971 --> 00:59:53.599 anxiety and motor stereotomies.

NOTE Confidence: 0.6662765

00:59:53.600 --> 00:59:54.494 So now what?

NOTE Confidence: 0.6662765

00:59:54.494 --> 00:59:56.580 So it's been 17 actually 18 years

NOTE Confidence: 0.6662765

00:59:56.653 --> 00:59:59.377 since I've committed to becoming a

NOTE Confidence: 0.6662765

00:59:59.377 --> 01:00:01.193 physician scientist and psychiatry,

NOTE Confidence: 0.6662765

01:00:01.200 --> 01:00:02.000 believe it or not,

NOTE Confidence: 0.6662765

01:00:02.000 --> 01:00:04.359 we're we are almost there I think

NOTE Confidence: 0.6662765

01:00:04.359 --> 01:00:06.266 you know for using genetics.

NOTE Confidence: 0.6662765

01:00:06.266 --> 01:00:08.984 I think there are techniques now

NOTE Confidence: 0.6662765

01:00:08.984 --> 01:00:11.678 that we can be using and some

NOTE Confidence: 0.88506997

01:00:11.680 --> 01:00:14.080 tests that we can use in order to

NOTE Confidence: 0.88506997

01:00:14.080 --> 01:00:18.240 inform risk. And So what do we do?

NOTE Confidence: 0.88506997

01:00:18.240 --> 01:00:20.706 I said we need a deep bench of clinician

NOTE Confidence: 0.88506997

01:00:20.706 --> 01:00:22.758 scientists that can continue this progress,

NOTE Confidence: 0.88506997

01:00:22.760 --> 01:00:23.650 multidisciplinary scientists.

NOTE Confidence: 0.88506997

01:00:23.650 --> 01:00:27.606 And one of the things that we can do

NOTE Confidence: 0.88506997

01:00:27.606 --> 01:00:30.150 and we have been doing here at Child

NOTE Confidence: 0.88506997

01:00:30.150 --> 01:00:32.256 Study is to award early career funding.

NOTE Confidence: 0.88506997

01:00:32.256 --> 01:00:34.440 And these are to spark or ignite

NOTE Confidence: 0.88506997

01:00:34.498 --> 01:00:36.472 these new ideas that are innovative

NOTE Confidence: 0.88506997

01:00:36.472 --> 01:00:38.234 but have really great potential

NOTE Confidence: 0.88506997

01:00:38.234 --> 01:00:40.159 to lead to continued progress.

NOTE Confidence: 0.88506997

01:00:40.160 --> 01:00:43.240 And thanks to some of our families,

NOTE Confidence: 0.88506997

01:00:43.240 --> 01:00:45.520 really you made this possible,

NOTE Confidence: 0.88506997

01:00:45.520 --> 01:00:46.240 associated families,

NOTE Confidence: 0.88506997

01:00:46.240 --> 01:00:48.760 you made this possible for us to

NOTE Confidence: 0.88506997

01:00:48.760 --> 01:00:50.932 continue to give out awards for

NOTE Confidence: 0.88506997

01:00:50.932 --> 01:00:52.677 early career trainings in psychiatry.

NOTE Confidence: 0.88506997

01:00:52.680 --> 01:00:54.514 So I'm very hopeful for the future.

NOTE Confidence: 0.88506997

01:00:54.520 --> 01:00:55.840 I'm very excited about this work.

NOTE Confidence: 0.88506997

01:00:55.840 --> 01:00:57.448 And I really thank you all

NOTE Confidence: 0.88506997

01:00:57.448 --> 01:00:58.520 for making this possible.

NOTE Confidence: 0.88506997

01:00:59.080 --> 01:00:59.400 Thanks.

NOTE Confidence: 0.7894246

01:01:07.920 --> 01:01:09.800 Thank you, Tom. And turn to Doctor Gerber.

NOTE Confidence: 0.7894246

01:01:21.400 --> 01:01:24.800 Can everyone see my slides? Yes.

NOTE Confidence: 0.7894246

01:01:27.280 --> 01:01:28.590 OK. Hi, everyone.

NOTE Confidence: 0.7894246

01:01:28.590 --> 01:01:30.840 So my name is Alan Gerber.

NOTE Confidence: 0.7894246

01:01:30.840 --> 01:01:32.500 I'm a child psychologist.

NOTE Confidence: 0.7894246

01:01:32.500 --> 01:01:34.575 And I'm also a postdoctoral

NOTE Confidence: 0.7894246

01:01:34.575 --> 01:01:36.517 fellow in the Mcpartland lab

NOTE Confidence: 0.7894246

01:01:36.520 --> 01:01:38.998 at the Yale Child Study Center.

NOTE Confidence: 0.7894246

01:01:39.000 --> 01:01:41.275 Today I'm going to speak with you

NOTE Confidence: 0.7894246

01:01:41.275 --> 01:01:43.320 about my research on understanding

NOTE Confidence: 0.7894246

01:01:43.320 --> 01:01:45.320 loneliness and autistic youth.

NOTE Confidence: 0.7894246

01:01:45.320 --> 01:01:46.916 So I'll start with a story.

NOTE Confidence: 0.7894246

01:01:46.920 --> 01:01:48.276 When I was a grad student,

NOTE Confidence: 0.7894246

01:01:48.280 --> 01:01:50.120 it was during the beginning

NOTE Confidence: 0.7894246

01:01:50.120 --> 01:01:51.592 of the COVID-19 pandemic,

NOTE Confidence: 0.7894246

01:01:51.600 --> 01:01:53.280 and like many of us,

NOTE Confidence: 0.7894246

01:01:53.280 --> 01:01:54.840 I was feeling kind of lonely,

NOTE Confidence: 0.7894246

01:01:54.840 --> 01:01:58.605 a bit stuck in my apartment at the time.

NOTE Confidence: 0.7894246

01:01:58.605 --> 01:02:00.615 I reached out to friends and

NOTE Confidence: 0.7894246

01:02:00.615 --> 01:02:02.609 family sometimes people I hadn't

NOTE Confidence: 0.7894246

01:02:02.609 --> 01:02:04.991 spoken with in quite some time.

NOTE Confidence: 0.7894246

01:02:05.000 --> 01:02:06.136 Everyone was using Zoom

NOTE Confidence: 0.7894246

01:02:06.136 --> 01:02:07.556 and WhatsApp at the time,

NOTE Confidence: 0.7894246

01:02:07.560 --> 01:02:10.278 and and Zoom was quite new.

NOTE Confidence: 0.7894246

01:02:10.280 --> 01:02:12.344 And this experience really got me

NOTE Confidence: 0.7894246

01:02:12.344 --> 01:02:14.519 thinking about how was the pandemic

NOTE Confidence: 0.7894246

01:02:14.520 --> 01:02:15.944 impacting the autistic individuals

NOTE Confidence: 0.7894246

01:02:15.944 --> 01:02:18.400 and their families that I worked with.

NOTE Confidence: 0.83447903

01:02:21.680 --> 01:02:24.318 So it was around that time that as a whole,

NOTE Confidence: 0.83447903

01:02:24.320 --> 01:02:26.690 we were really starting to recognize

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NOTE Confidence: 0.83447903

01:02:26.690 --> 01:02:29.638 loneliness as this major public health issue.

NOTE Confidence: 0.83447903

01:02:29.640 --> 01:02:31.062 But for many of the clients

NOTE Confidence: 0.83447903

01:02:31.062 --> 01:02:32.320 that I was working with,

NOTE Confidence: 0.83447903

01:02:32.320 --> 01:02:34.452 social isolation and loneliness

NOTE Confidence: 0.83447903

01:02:34.452 --> 01:02:37.117 were already a common concern.

NOTE Confidence: 0.83447903

01:02:37.120 --> 01:02:38.395 Now, despite this,

NOTE Confidence: 0.83447903

01:02:38.395 --> 01:02:40.945 the experience of loneliness and autistic

NOTE Confidence: 0.83447903

01:02:40.945 --> 01:02:43.559 youth remains pretty poorly understood.

NOTE Confidence: 0.83447903

01:02:43.560 --> 01:02:46.360 And so these experiences that I had

NOTE Confidence: 0.83447903

01:02:46.360 --> 01:02:48.776 both clinically and in the research

NOTE Confidence: 0.83447903

01:02:48.776 --> 01:02:51.200 world led to my dissertation project,

NOTE Confidence: 0.83447903

01:02:51.200 --> 01:02:53.385 which was focused on following

NOTE Confidence: 0.83447903

01:02:53.385 --> 01:02:55.570 autistic youth and their families

NOTE Confidence: 0.83447903

01:02:55.640 --> 01:02:57.278 throughout the pandemic.

NOTE Confidence: 0.83447903

01:02:57.280 --> 01:02:59.200 And I was able to do this at

NOTE Confidence: 0.83447903

01:02:59.200 --> 01:03:01.280 the time because of a generous

NOTE Confidence: 0.83447903

01:03:01.280 --> 01:03:03.280 seed grant from a donor.

NOTE Confidence: 0.83447903

01:03:03.280 --> 01:03:03.720 And

NOTE Confidence: 0.71315753

01:03:05.960 --> 01:03:07.834 one of the things that that really

NOTE Confidence: 0.71315753

01:03:07.834 --> 01:03:10.592 surprised me was I found a striking

NOTE Confidence: 0.71315753

01:03:10.592 --> 01:03:13.439 amount of variability in loneliness.

NOTE Confidence: 0.71315753

01:03:13.440 --> 01:03:14.679 So what do I mean by that?

NOTE Confidence: 0.71315753

01:03:14.680 --> 01:03:16.680 Well, many autistic youth were

NOTE Confidence: 0.71315753

01:03:16.680 --> 01:03:18.680 reporting high levels of loneliness,

NOTE Confidence: 0.71315753

01:03:18.680 --> 01:03:20.640 sort of as we expected.

NOTE Confidence: 0.71315753

01:03:20.640 --> 01:03:22.264 But also many weren't.

NOTE Confidence: 0.71315753

01:03:22.264 --> 01:03:25.252 In fact, many reported that they felt less

NOTE Confidence: 0.71315753

01:03:25.252 --> 01:03:27.800 lonely over the course of the pandemic.

NOTE Confidence: 0.71315753

01:03:27.800 --> 01:03:30.680 And so it's likely that for these youth,

NOTE Confidence: 0.71315753

01:03:30.680 --> 01:03:32.220 there were some beneficial

NOTE Confidence: 0.71315753

01:03:32.220 --> 01:03:33.760 aspects to the pandemic,

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NOTE Confidence: 0.71315753

01:03:33.760 --> 01:03:36.265 including options for remote schooling

NOTE Confidence: 0.71315753

01:03:36.265 --> 01:03:39.240 and an increase in family time.

NOTE Confidence: 0.71315753

01:03:39.240 --> 01:03:40.155 And for me,

NOTE Confidence: 0.71315753

01:03:40.155 --> 01:03:41.985 this really sparked a career interest

NOTE Confidence: 0.71315753

01:03:41.985 --> 01:03:43.720 in understanding the experience

NOTE Confidence: 0.71315753

01:03:43.720 --> 01:03:45.995 of loneliness and autistic youth.

NOTE Confidence: 0.71315753

01:03:46.000 --> 01:03:47.834 The goal of my research is really

NOTE Confidence: 0.71315753

01:03:47.834 --> 01:03:49.392 to identify which of these youth

NOTE Confidence: 0.71315753

01:03:49.392 --> 01:03:51.568 are likely to feel lonely so we can

NOTE Confidence: 0.71315753

01:03:51.568 --> 01:03:52.960 develop preventative treatments.

NOTE Confidence: 0.7606878

01:03:56.040 --> 01:03:57.228 So right now I'm in the

NOTE Confidence: 0.7606878

01:03:57.228 --> 01:03:58.456 second year of a postdoctoral

NOTE Confidence: 0.7606878

01:03:58.456 --> 01:04:00.356 fellowship in the Mcpartland lab,

NOTE Confidence: 0.7606878

01:04:00.360 --> 01:04:02.936 and I recently received, as you saw

NOTE Confidence: 0.7606878

01:04:02.936 --> 01:04:04.664 with Doctor Fernandez's presentation,

NOTE Confidence: 0.7606878

01:04:04.664 --> 01:04:07.616 a donor funded pilot research award

NOTE Confidence: 0.7606878

01:04:07.616 --> 01:04:10.310 for Yale Child Study Center trainees

NOTE Confidence: 0.7606878

01:04:10.310 --> 01:04:12.758 to continue some of this work.

NOTE Confidence: 0.7606878

01:04:12.760 --> 01:04:14.422 And so we're now actually working

NOTE Confidence: 0.7606878

01:04:14.422 --> 01:04:17.032 on the study in the lab that uses a

NOTE Confidence: 0.7606878

01:04:17.032 --> 01:04:18.981 novel combination of methods to better

NOTE Confidence: 0.7606878

01:04:18.981 --> 01:04:21.196 understand the experience of loneliness.

NOTE Confidence: 0.7606878

01:04:21.200 --> 01:04:23.824 And my hope is that these results can

NOTE Confidence: 0.7606878

01:04:23.824 --> 01:04:26.640 be used to identify markers of risk

NOTE Confidence: 0.7606878

01:04:26.640 --> 01:04:28.800 for loneliness in autistic youth.

NOTE Confidence: 0.7606878

01:04:28.800 --> 01:04:30.208 So I'll tell you a little bit about

NOTE Confidence: 0.7606878

01:04:30.208 --> 01:04:32.720 the study, kind of a bird's eye view.

NOTE Confidence: 0.7606878

01:04:32.720 --> 01:04:35.219 The first aim is to capture the

NOTE Confidence: 0.7606878

01:04:35.219 --> 01:04:36.768 experience of loneliness and

NOTE Confidence: 0.7606878

01:04:36.768 --> 01:04:38.838 autistic adolescence as it unfolds.

NOTE Confidence: 0.7606878

01:04:38.840 --> 01:04:39.640 And so to do this,

NOTE Confidence: 0.7606878

01:04:39.640 --> 01:04:42.072 we ask teens to tell us about their

NOTE Confidence: 0.7606878

01:04:42.072 --> 01:04:44.495 feelings in the moment using real time

NOTE Confidence: 0.7606878

01:04:44.495 --> 01:04:45.955 reporting through their smartphone,

NOTE Confidence: 0.7606878

01:04:45.960 --> 01:04:47.960 Which as we know, if you have teens,

NOTE Confidence: 0.7606878

01:04:47.960 --> 01:04:48.980 they're always on.

NOTE Confidence: 0.7606878

01:04:48.980 --> 01:04:51.774 This novel approach allows us to get a

NOTE Confidence: 0.7606878

01:04:51.774 --> 01:04:53.886 more in depth and naturalistic picture

NOTE Confidence: 0.7606878

01:04:53.886 --> 01:04:56.120 of loneliness in their daily lives.

NOTE Confidence: 0.9293724

01:05:00.680 --> 01:05:02.816 So the second aim of the study is

NOTE Confidence: 0.9293724

01:05:02.816 --> 01:05:05.025 to examine whether some of these

NOTE Confidence: 0.9293724

01:05:05.025 --> 01:05:06.880 daily experiences of loneliness can

NOTE Confidence: 0.9293724

01:05:06.880 --> 01:05:09.295 be can be predicted using markers

NOTE Confidence: 0.9293724

01:05:09.295 --> 01:05:12.120 of brain functioning measured by

NOTE Confidence: 0.9293724

01:05:12.120 --> 01:05:13.600 electroencephalography or EEG.

NOTE Confidence: 0.9293724

01:05:13.600 --> 01:05:14.785 And here I've been really lucky

NOTE Confidence: 0.9293724

01:05:14.785 --> 01:05:16.920 to have Doctor Mcpartland as a as

NOTE Confidence: 0.9293724

01:05:16.920 --> 01:05:19.196 a mentor for this project who's

NOTE Confidence: 0.9293724

01:05:19.196 --> 01:05:21.196 a nationally recognized expert in

NOTE Confidence: 0.9293724

01:05:21.196 --> 01:05:23.318 autism biomarker research and who

NOTE Confidence: 0.9293724

01:05:23.318 --> 01:05:25.796 you'll hear from later this afternoon.

NOTE Confidence: 0.9293724

01:05:25.800 --> 01:05:27.600 Through the support from this

NOTE Confidence: 0.9293724

01:05:27.600 --> 01:05:29.400 donor funded pilot research award,

NOTE Confidence: 0.9293724

01:05:29.400 --> 01:05:31.404 I am able to receive specialized

NOTE Confidence: 0.9293724

01:05:31.404 --> 01:05:34.318 training in EEG data collection and analysis.

NOTE Confidence: 0.9293724

01:05:34.320 --> 01:05:35.940 It's really been very critical and

NOTE Confidence: 0.9293724

01:05:35.940 --> 01:05:38.080 vital for my own career development.

NOTE Confidence: 0.42638695

01:05:40.440 --> 01:05:42.743 Overall, I just want to thank funders

NOTE Confidence: 0.42638695

01:05:42.743 --> 01:05:45.025 who have had such a profound impact

NOTE Confidence: 0.42638695

01:05:45.025 --> 01:05:47.536 on my career trajectory by providing

NOTE Confidence: 0.42638695

01:05:47.536 --> 01:05:49.552 me with this funding for my research,

NOTE Confidence: 0.42638695

01:05:49.560 --> 01:05:52.152 but also the ability to gain

01:05:52.152 --> 01:05:53.880 really unique training experiences.

01:05:53.880 --> 01:05:55.144 So in the future,

01:05:55.144 --> 01:05:57.040 I'm planning on building on this

01:05:57.107 --> 01:05:59.406 work by applying for an NIMH career

01:05:59.406 --> 01:06:01.255 development award and that will

01:06:01.255 --> 01:06:03.375 ultimately help me transition into

01:06:03.375 --> 01:06:05.071 an independent research career.

01:06:05.080 --> 01:06:06.940 I'm also really looking forward

01:06:06.940 --> 01:06:09.138 to giving back to trainees in

01:06:09.138 --> 01:06:11.504 the same way that I was afforded

01:06:11.504 --> 01:06:13.839 some of these opportunities.

01:06:13.840 --> 01:06:16.255 So I just want to thank everyone

01:06:16.255 --> 01:06:18.280 for listening and appreciate the

01:06:18.280 --> 01:06:20.560 support and acknowledge the support

01:06:20.560 --> 01:06:23.038 from funders as well as my lab.

01:06:23.040 --> 01:06:26.037 And I'm going to turn it over for questions.

NOTE Confidence: 0.42638695

01:06:26.040 --> 01:06:26.920 Thank you very much.

NOTE Confidence: 0.8873975

01:06:27.440 --> 01:06:30.212 Thanks so much. So we're

NOTE Confidence: 0.8873975

01:06:30.212 --> 01:06:31.516 open now for questions.

NOTE Confidence: 0.8873975

01:06:34.960 --> 01:06:36.598 Any questions from the audience?

NOTE Confidence: 0.8873975

01:06:40.080 --> 01:06:43.328 One question submitted was do we know

NOTE Confidence: 0.8873975

01:06:43.328 --> 01:06:46.107 why children engage in stereotypic

NOTE Confidence: 0.8873975

01:06:46.107 --> 01:06:50.120 movements and what function do they serve?

NOTE Confidence: 0.8873975

01:06:50.120 --> 01:06:51.800 Does anybody want to take that one?

NOTE Confidence: 0.30275226

01:06:55.520 --> 01:06:57.080 Well, I, I, I can take this on.

NOTE Confidence: 0.30275226

01:06:57.080 --> 01:06:59.080 And it's it's an important

NOTE Confidence: 0.30275226

01:06:59.080 --> 01:07:00.680 question because this is

NOTE Confidence: 0.30275226

01:07:04.280 --> 01:07:06.647 it, will it. It tells us a little bit

NOTE Confidence: 0.30275226

01:07:06.647 --> 01:07:08.879 about why children continue doing it.

NOTE Confidence: 0.30275226

01:07:08.880 --> 01:07:11.115 So there's certain situations where

NOTE Confidence: 0.30275226

01:07:11.115 --> 01:07:13.868 children are more likely to engage

112

NOTE Confidence: 0.30275226

01:07:13.868 --> 01:07:17.960 in modern studies, and they involve

NOTE Confidence: 0.30275226

01:07:17.960 --> 01:07:20.268 sometimes children are excited,

NOTE Confidence: 0.30275226

01:07:20.268 --> 01:07:22.770 sometimes children are a little

NOTE Confidence: 0.30275226

01:07:22.770 --> 01:07:24.695 uncertain about what what's what's

NOTE Confidence: 0.30275226

01:07:24.695 --> 01:07:26.960 happening and a little stressed,

NOTE Confidence: 0.30275226

01:07:26.960 --> 01:07:30.120 and sometimes they're bored.

NOTE Confidence: 0.30275226

01:07:30.120 --> 01:07:33.104 Based on these observations,

NOTE Confidence: 0.30275226

01:07:33.104 --> 01:07:35.970 researchers have proposed that

NOTE Confidence: 0.30275226

01:07:35.970 --> 01:07:38.710 perhaps stereotypes have some

NOTE Confidence: 0.30275226

01:07:38.710 --> 01:07:41.784 regulatory functions and they can

NOTE Confidence: 0.30275226

01:07:41.784 --> 01:07:44.624 help children either increase or

NOTE Confidence: 0.30275226

01:07:44.624 --> 01:07:46.520 decrease physiological arousal,

NOTE Confidence: 0.30275226

01:07:46.520 --> 01:07:50.600 bringing them to more optimal states.

NOTE Confidence: 0.30275226

01:07:50.600 --> 01:07:54.320 What's interesting is this is pretty

NOTE Confidence: 0.30275226

01:07:54.320 --> 01:07:57.233 pretty straightforward hypothesis and and

NOTE Confidence: 0.30275226

01:07:57.233 --> 01:08:01.599 it has been advanced maybe 20-30 years ago.

NOTE Confidence: 0.30275226

01:08:01.599 --> 01:08:02.332 However,

NOTE Confidence: 0.30275226

01:08:02.332 --> 01:08:06.215 there are almost no studies

NOTE Confidence: 0.30275226

01:08:06.215 --> 01:08:09.435 that evaluated this empirically.

NOTE Confidence: 0.30275226

01:08:09.440 --> 01:08:11.358 There may be couple of studies that

NOTE Confidence: 0.30275226

01:08:11.358 --> 01:08:13.500 that were conducted on on one or two

NOTE Confidence: 0.30275226

01:08:13.500 --> 01:08:14.770 children in conclusive results and

NOTE Confidence: 0.30275226

01:08:14.821 --> 01:08:16.699 and but the question is tremendously

NOTE Confidence: 0.30275226

01:08:16.699 --> 01:08:18.392 important because if these therapies

NOTE Confidence: 0.30275226

01:08:18.392 --> 01:08:20.552 have a functional significance for

NOTE Confidence: 0.30275226

01:08:20.552 --> 01:08:23.204 for for our children we need to

NOTE Confidence: 0.30275226

01:08:23.204 --> 01:08:25.360 understand what it what it is because

NOTE Confidence: 0.30275226

01:08:25.431 --> 01:08:27.951 when we intervene or when we decrease

NOTE Confidence: 0.30275226

01:08:27.951 --> 01:08:29.867 their frequency we might actually

NOTE Confidence: 0.30275226

01:08:29.867 --> 01:08:31.920 take away very effective ways for

NOTE Confidence: 0.30275226

01:08:31.920 --> 01:08:34.400 them to to to regulate their arousal.

01:08:34.400 --> 01:08:35.834 So good question and I wish

01:08:35.834 --> 01:08:37.240 we had a better answer.

01:08:37.240 --> 01:08:39.592 This is one of the reasons where

01:08:39.592 --> 01:08:42.238 where why part of our experimental

01:08:42.238 --> 01:08:44.536 paradigms include measurements of

01:08:44.536 --> 01:08:47.496 physiological arousal to to to

01:08:47.496 --> 01:08:49.960 actually understand whether this is

01:08:49.960 --> 01:08:51.880 these contingencies are really true.

01:08:51.880 --> 01:08:52.040 Tasha,

01:08:54.360 --> 01:08:55.356 Tom, do you have any thoughts?

01:08:59.080 --> 01:09:00.000 Yeah, I think I think

01:09:00.000 --> 01:09:01.080 we'd be glad to talk about

01:09:01.132 --> 01:09:02.077 it in a breakout room.

01:09:02.080 --> 01:09:04.656 I think that is a really interesting

01:09:04.656 --> 01:09:06.536 question and it serves a purpose

01:09:06.536 --> 01:09:08.690 but not one that you know the

NOTE Confidence: 0.2592058

01:09:08.690 --> 01:09:10.880 kids can always tell us about

NOTE Confidence: 0.2592058

01:09:10.880 --> 01:09:12.476 and they can they can interfere.

NOTE Confidence: 0.2592058

01:09:12.480 --> 01:09:14.349 So that's the reason why we need

NOTE Confidence: 0.2592058

01:09:14.349 --> 01:09:15.918 to pay attention and they can,

NOTE Confidence: 0.2592058

01:09:15.920 --> 01:09:17.600 I think we're learning Kaja,

NOTE Confidence: 0.2592058

01:09:17.600 --> 01:09:19.920 with some of your work that they

NOTE Confidence: 0.2592058

01:09:19.920 --> 01:09:21.720 can predict a longer term outcomes

NOTE Confidence: 0.2592058

01:09:21.720 --> 01:09:24.362 and so we can use them as a maybe a

NOTE Confidence: 0.2592058

01:09:24.362 --> 01:09:26.331 predictor and then a way to to keep

NOTE Confidence: 0.2592058

01:09:26.331 --> 01:09:27.838 more track on some of these kids.

NOTE Confidence: 0.3871268

01:09:31.200 --> 01:09:32.904 Alan, it's You're engaging

NOTE Confidence: 0.3871268

01:09:32.904 --> 01:09:35.034 in such a important issue,

NOTE Confidence: 0.3871268

01:09:35.040 --> 01:09:37.120 especially given the Surgeon

NOTE Confidence: 0.3871268

01:09:37.120 --> 01:09:39.215 Generals calling it out.

NOTE Confidence: 0.3871268

01:09:39.215 --> 01:09:41.840 Do you have a sense,

NOTE Confidence: 0.3871268

01:09:41.840 --> 01:09:44.584 do you have a sense more broadly

NOTE Confidence: 0.3871268

01:09:44.584 --> 01:09:47.355 of why there's such an epidemic

NOTE Confidence: 0.3871268

01:09:47.355 --> 01:09:49.158 of loneliness in the country?

NOTE Confidence: 0.87131566

01:09:52.680 --> 01:09:55.878 This is a really interesting question

NOTE Confidence: 0.87131566

01:09:55.880 --> 01:09:58.260 and I do also want to speak to it why

NOTE Confidence: 0.87131566

01:09:58.328 --> 01:10:00.400 people are are have I think there's

NOTE Confidence: 0.87131566

01:10:00.400 --> 01:10:03.206 been a lot of loneliness and now we're

NOTE Confidence: 0.87131566

01:10:03.206 --> 01:10:05.520 really starting to see it with a pandemic

NOTE Confidence: 0.87131566

01:10:05.520 --> 01:10:06.961 where people are really starting to

NOTE Confidence: 0.87131566

01:10:06.961 --> 01:10:08.473 call it out and pay attention to it.

NOTE Confidence: 0.87131566

01:10:08.480 --> 01:10:10.965 But it's it's been there for quite

NOTE Confidence: 0.87131566

01:10:10.965 --> 01:10:13.198 some time and loneliness has

NOTE Confidence: 0.87131566

01:10:13.198 --> 01:10:14.716 really negative consequences.

NOTE Confidence: 0.87131566

01:10:14.720 --> 01:10:18.955 So it's associated with poor mental health,

NOTE Confidence: 0.87131566

01:10:18.960 --> 01:10:20.598 poor physical health,

NOTE Confidence: 0.87131566

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01:10:20.598 --> 01:10:22.236 increase in suicidality.

NOTE Confidence: 0.87131566

01:10:22.240 --> 01:10:23.836 So a number of these things are,

NOTE Confidence: 0.87131566

01:10:23.840 --> 01:10:26.770 if we can reach it at an early time point,

NOTE Confidence: 0.87131566

01:10:26.770 --> 01:10:29.440 we can really make a difference.

NOTE Confidence: 0.87131566

01:10:29.440 --> 01:10:32.240 I think in terms of an increase,

NOTE Confidence: 0.87131566

01:10:32.240 --> 01:10:33.998 the pandemic really brought it out,

NOTE Confidence: 0.87131566

01:10:34.000 --> 01:10:36.608 but I I actually think it's been there

NOTE Confidence: 0.87131566

01:10:36.608 --> 01:10:39.321 for quite some time and only now we're

NOTE Confidence: 0.87131566

01:10:39.321 --> 01:10:41.877 starting to see this as a major issue.

NOTE Confidence: 0.87131566

01:10:41.880 --> 01:10:43.235 So hopefully that will draw

NOTE Confidence: 0.87131566

01:10:43.235 --> 01:10:45.000 attention to keep it there though,

NOTE Confidence: 0.7095579

01:10:46.200 --> 01:10:47.856 It's like so many things, isn't it?

NOTE Confidence: 0.7095579

01:10:47.856 --> 01:10:49.196 The pandemic didn't 'cause it,

NOTE Confidence: 0.7095579

01:10:49.200 --> 01:10:51.516 but shone a light on it.

NOTE Confidence: 0.7095579

01:10:53.800 --> 01:10:56.840 Other questions from from the audience,

NOTE Confidence: 0.5007935

01:11:01.880 --> 01:11:03.806 I'm just scanning for hands up

NOTE Confidence: 0.5007935

01:11:03.806 --> 01:11:05.999 or speak out or in the chat.

NOTE Confidence: 0.5007935

01:11:13.720 --> 01:11:15.918 Well, thanks so much to our panelists.

NOTE Confidence: 0.5007935

01:11:15.920 --> 01:11:19.475 We have built in a a break right now.

NOTE Confidence: 0.5007935

01:11:19.480 --> 01:11:22.483 So please, Krista will put up a

NOTE Confidence: 0.5007935

01:11:22.483 --> 01:11:25.046 screen that gives you a chance

NOTE Confidence: 0.5007935

01:11:25.046 --> 01:11:27.410 to scan in where the posters

NOTE Confidence: 0.5007935

01:11:27.410 --> 01:11:29.753 and the recorded talks are,

NOTE Confidence: 0.5007935

01:11:29.753 --> 01:11:31.877 as Kasha was mentioning.

NOTE Confidence: 0.5007935

01:11:31.880 --> 01:11:33.760 So here we have a question from Jason.

NOTE Confidence: 0.5007935

01:11:33.760 --> 01:11:36.644 So Alan, it's for you.

NOTE Confidence: 0.5007935

01:11:36.644 --> 01:11:38.870 Are there specific aspects of the

NOTE Confidence: 0.5007935

01:11:38.947 --> 01:11:41.595 COVID Online experience that you expect

NOTE Confidence: 0.5007935

01:11:41.595 --> 01:11:43.320 will become tools going forward?

NOTE Confidence: 0.5489714

01:11:44.960 --> 01:11:46.766 Yeah, this is a great question and

NOTE Confidence: 0.5489714

01:11:46.766 --> 01:11:48.733 I I won't be offended if anyone

NOTE Confidence: 0.5489714

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01:11:48.733 --> 01:11:50.720 would like to take a break now,

NOTE Confidence: 0.5489714

01:11:50.720 --> 01:11:52.694 but it this is something we're

NOTE Confidence: 0.5489714

01:11:52.694 --> 01:11:54.320 thinking about quite a bit.

NOTE Confidence: 0.5489714

01:11:54.320 --> 01:11:56.606 Remote schooling in particular is a

NOTE Confidence: 0.5489714

01:11:56.606 --> 01:11:58.828 really important piece of this experience

NOTE Confidence: 0.5489714

01:11:58.828 --> 01:12:01.372 and there's a great paper on how it

NOTE Confidence: 0.5489714

01:12:01.439 --> 01:12:03.994 impacts kids with social anxiety as well.

NOTE Confidence: 0.5489714

01:12:04.000 --> 01:12:06.667 The ability to have some more control

NOTE Confidence: 0.5489714

01:12:06.667 --> 01:12:09.047 over your environment and the sort

NOTE Confidence: 0.5489714

01:12:09.047 --> 01:12:10.987 of unwritten curriculum are real

NOTE Confidence: 0.5489714

01:12:10.987 --> 01:12:13.319 challenges for neuro diverse students.

NOTE Confidence: 0.5489714

01:12:13.320 --> 01:12:15.492 And the pandemic has really gotten

NOTE Confidence: 0.5489714

01:12:15.492 --> 01:12:18.123 us to think a little bit about

NOTE Confidence: 0.5489714

01:12:18.123 --> 01:12:20.706 how we can be flexible with some

NOTE Confidence: 0.5489714

01:12:20.788 --> 01:12:22.895 of those things and you know,

NOTE Confidence: 0.5489714

01:12:22.895 --> 01:12:24.520 use those tools going forward.

NOTE Confidence: 0.5489714

01:12:24.520 --> 01:12:26.869 The other thing we think a lot about is

NOTE Confidence: 0.5489714

01:12:26.869 --> 01:12:28.811 digital social communication, right?

NOTE Confidence: 0.5489714

01:12:28.811 --> 01:12:31.517 If any of you have teens,

NOTE Confidence: 0.5489714

01:12:31.520 --> 01:12:33.638 you know that your kids most,

NOTE Confidence: 0.5489714

01:12:33.640 --> 01:12:34.986 perhaps most of their interactions

NOTE Confidence: 0.5489714

01:12:34.986 --> 01:12:37.412 is coming online, is coming through,

NOTE Confidence: 0.5489714

01:12:37.412 --> 01:12:39.636 you know, in an online setting.

NOTE Confidence: 0.5489714

01:12:39.636 --> 01:12:43.705 And so how do we make sure to keep those

NOTE Confidence: 0.5489714

01:12:43.705 --> 01:12:45.745 environments safe, but also helpful?

NOTE Confidence: 0.5489714

01:12:45.745 --> 01:12:47.520 Because for many autistic individuals,

NOTE Confidence: 0.5489714

01:12:47.520 --> 01:12:49.158 and I, I don't want to speak for them,

NOTE Confidence: 0.5489714

01:12:49.160 --> 01:12:51.104 but from what I've heard in

NOTE Confidence: 0.5489714

01:12:51.104 --> 01:12:52.400 my interactions with clients,

NOTE Confidence: 0.5489714

01:12:52.400 --> 01:12:55.208 it's actually quite beneficial

NOTE Confidence: 0.5489714

01:12:55.208 --> 01:12:57.314 and more comfortable.

NOTE Confidence: 0.5489714

01:12:57.320 --> 01:12:58.280 And at the same time,

NOTE Confidence: 0.5489714

01:12:58.280 --> 01:12:59.960 it can be harder because it can be

NOTE Confidence: 0.5489714

01:12:59.960 --> 01:13:01.716 harder to read body language through

NOTE Confidence: 0.5489714

01:13:01.716 --> 01:13:03.396 a text conversation, for example.

NOTE Confidence: 0.5489714

01:13:03.396 --> 01:13:05.544 And for people who are having

NOTE Confidence: 0.5489714

01:13:05.544 --> 01:13:06.640 challenges with that,

NOTE Confidence: 0.5489714

01:13:06.640 --> 01:13:07.876 that can add to your challenges.

NOTE Confidence: 0.5489714

01:13:07.880 --> 01:13:10.118 So it's really an interesting balance.

NOTE Confidence: 0.5489714

01:13:10.120 --> 01:13:12.157 I think if we offer the tools

NOTE Confidence: 0.34798935

01:13:16.500 --> 01:13:19.540 in a balanced way, in a flexible way,

NOTE Confidence: 0.34798935

01:13:19.540 --> 01:13:21.298 giving people choices for what works

NOTE Confidence: 0.34798935

01:13:21.298 --> 01:13:23.276 best for them, I think that's the

NOTE Confidence: 0.34798935

01:13:23.276 --> 01:13:24.499 way moving forward. But I think

NOTE Confidence: 0.34798935

01:13:24.500 --> 01:13:27.260 it's a great opportunity for research.

NOTE Confidence: 0.34798935

01:13:29.380 --> 01:13:30.460 You're muted, Linda. I'm

NOTE Confidence: 0.34798935

01:13:32.740 --> 01:13:34.259 sorry, Tom, You have your hand up.

NOTE Confidence: 0.34798935

01:13:36.540 --> 01:13:38.856 Fred Volkmar to me was sort of Mr.

NOTE Confidence: 0.34798935

01:13:38.860 --> 01:13:40.780 Autism, not just to me,

NOTE Confidence: 0.34798935

01:13:40.780 --> 01:13:42.020 it's the old Charles Sonny,

NOTE Confidence: 0.34798935

01:13:42.020 --> 01:13:44.532 but to the world.

NOTE Confidence: 0.34798935

01:13:44.532 --> 01:13:46.240 And she also was a neighbor.

NOTE Confidence: 0.34798935

01:13:46.240 --> 01:13:48.079 And Martha's Vineyard,

NOTE Confidence: 0.34798935

01:13:48.079 --> 01:13:49.918 terrific human being.

NOTE Confidence: 0.34798935

01:13:49.920 --> 01:13:52.202 Is he going to have any contact

NOTE Confidence: 0.34798935

01:13:52.202 --> 01:13:53.612 going forward that you're aware

NOTE Confidence: 0.34798935

01:13:53.612 --> 01:13:55.439 of with the Child Study Center?

NOTE Confidence: 0.62736905

01:13:55.760 --> 01:13:58.262 Oh, yes, no. Fred is very much a member

NOTE Confidence: 0.62736905

01:13:58.262 --> 01:14:01.259 of our emeritus faculty and very much so.

NOTE Confidence: 0.62736905

01:14:01.259 --> 01:14:04.080 Tom, we don't, we don't let people retire.

NOTE Confidence: 0.62736905

01:14:04.080 --> 01:14:06.684 Actually, we they just may move to

NOTE Confidence: 0.62736905

01:14:06.684 --> 01:14:09.288 a different title, but they stay.

NOTE Confidence: 0.62736905

01:14:09.288 --> 01:14:13.440 So no, thanks for asking about that.

NOTE Confidence: 0.62736905

01:14:13.440 --> 01:14:15.666 And Carl, thank you for putting

NOTE Confidence: 0.62736905

01:14:15.666 --> 01:14:17.760 the publication link in the chat.

NOTE Confidence: 0.62736905

01:14:17.760 --> 01:14:20.040 Appreciate that.

NOTE Confidence: 0.62736905

01:14:20.040 --> 01:14:23.032 So we'll move to break and you can

NOTE Confidence: 0.62736905

01:14:23.032 --> 01:14:24.552 stay online because we're coming

NOTE Confidence: 0.62736905

01:14:24.552 --> 01:14:26.399 back to the very same place.

NOTE Confidence: 0.62736905

01:14:26.400 --> 01:14:28.920 Keep your cameras on or off.

NOTE Confidence: 0.62736905

01:14:28.920 --> 01:14:30.498 Krista will put up links where

NOTE Confidence: 0.62736905

01:14:30.498 --> 01:14:32.852 you can go see the posters in the

NOTE Confidence: 0.62736905

01:14:32.852 --> 01:14:34.402 presentations or at least find

NOTE Confidence: 0.62736905

01:14:34.402 --> 01:14:38.750 the web page and look forward to

NOTE Confidence: 0.62736905

01:14:38.750 --> 01:14:40.600 seeing you back at 3:30.

NOTE Confidence: 0.62736905

01:14:40.600 --> 01:14:41.398 Thanks so much.

NOTE Confidence: 0.93461925

01:15:08.560 --> 01:15:13.724 everyone. So I hope you had a good break.

NOTE Confidence: 0.93461925

01:15:13.724 --> 01:15:17.030 I'm very glad for us to come to our

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NOTE Confidence: 0.93461925

01:15:17.030 --> 01:15:19.766 third panel and on our third panel we'll

NOTE Confidence: 0.93461925

01:15:19.766 --> 01:15:22.199 have an opportunity to hear again from

NOTE Confidence: 0.93461925

01:15:22.200 --> 01:15:23.958 a number of our clinical colleagues.

NOTE Confidence: 0.93461925

01:15:23.960 --> 01:15:27.736 And let me let me just tell you

NOTE Confidence: 0.93461925

01:15:27.736 --> 01:15:30.398 about introduce the third panel.

NOTE Confidence: 0.93461925

01:15:30.400 --> 01:15:32.493 Starting us off will be Amy Myers

NOTE Confidence: 0.93461925

01:15:32.493 --> 01:15:34.726 who is the Assistant Clinical

NOTE Confidence: 0.93461925

01:15:34.726 --> 01:15:37.940 Professor and a Senior Consultant to

NOTE Confidence: 0.93461925

01:15:37.940 --> 01:15:40.520 our family based recovery program.

NOTE Confidence: 0.93461925

01:15:40.520 --> 01:15:41.528 Victoria Staub,

NOTE Confidence: 0.93461925

01:15:41.528 --> 01:15:43.544 I'm Assistant Clinical Professor

NOTE Confidence: 0.93461925

01:15:43.544 --> 01:15:46.719 and Co Director of the ICAPS

NOTE Confidence: 0.93461925

01:15:46.719 --> 01:15:48.875 Model Development and Operations,

NOTE Confidence: 0.93461925

01:15:48.880 --> 01:15:50.095 Doctor Maggie Stokel,

NOTE Confidence: 0.93461925

01:15:50.095 --> 01:15:51.715 an Assistant Professor and

NOTE Confidence: 0.93461925

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01:15:51.715 --> 01:15:53.914 Associate Director of our Pediatric

NOTE Confidence: 0.93461925

01:15:53.914 --> 01:15:55.742 Psychology program and Director

NOTE Confidence: 0.93461925

01:15:55.742 --> 01:15:57.997 of the GI Psychology Service.

NOTE Confidence: 0.93461925

01:15:58.000 --> 01:15:59.026 And then Dr.

NOTE Confidence: 0.93461925

01:15:59.026 --> 01:16:01.420 Tara Thompson Felix who is a Clinical

NOTE Confidence: 0.93461925

01:16:01.497 --> 01:16:04.125 child Psychiatry Fellow and doing her

NOTE Confidence: 0.93461925

01:16:04.125 --> 01:16:06.640 research with Doctor Karen O'Donnell.

NOTE Confidence: 0.93461925

01:16:06.640 --> 01:16:07.060 So, Amy,

NOTE Confidence: 0.93461925

01:16:07.060 --> 01:16:08.320 may I turn it to you?

NOTE Confidence: 0.86939484

01:16:10.240 --> 01:16:12.304 Yes, Thank you for the introduction

NOTE Confidence: 0.86939484

01:16:12.304 --> 01:16:16.440 and the opportunity to speak today.

NOTE Confidence: 0.86939484

01:16:16.440 --> 01:16:18.285 I myself was supported by a

NOTE Confidence: 0.86939484

01:16:18.285 --> 01:16:20.400 helper when I was a child.

NOTE Confidence: 0.86939484

01:16:20.400 --> 01:16:23.424 She was steady and calm and to me

NOTE Confidence: 0.86939484

01:16:23.424 --> 01:16:26.156 possessed some kind of magic that could

NOTE Confidence: 0.86939484

01:16:26.160 --> 01:16:28.780 translate my feelings and experiences

NOTE Confidence: 0.86939484

01:16:28.780 --> 01:16:31.400 into words understood by adults.

NOTE Confidence: 0.86939484

01:16:31.400 --> 01:16:34.344 So this helped me to grow up knowing

NOTE Confidence: 0.86939484

01:16:34.344 --> 01:16:37.396 that I would become a helper too.

NOTE Confidence: 0.86939484

01:16:37.400 --> 01:16:40.163 I'm the 1st in my family to go to

NOTE Confidence: 0.86939484

01:16:40.163 --> 01:16:43.175 college and one of few in my entire

NOTE Confidence: 0.86939484

01:16:43.175 --> 01:16:45.200 extended family across generations

NOTE Confidence: 0.86939484

01:16:45.200 --> 01:16:48.315 to turn to obtain a Master's degree.

NOTE Confidence: 0.86939484

01:16:48.320 --> 01:16:50.384 I stopped correcting my 83 year

NOTE Confidence: 0.86939484

01:16:50.384 --> 01:16:52.559 old mother when she tells me

NOTE Confidence: 0.86939484

01:16:52.559 --> 01:16:54.743 and tells other people when she

NOTE Confidence: 0.86939484

01:16:54.743 --> 01:16:56.757 introduces me that I'm a doctor.

NOTE Confidence: 0.86939484

01:16:56.760 --> 01:16:58.710 The last time I corrected her, she said,

NOTE Confidence: 0.86939484

01:16:58.710 --> 01:17:00.915 well, you're a doctor in my mind,

NOTE Confidence: 0.86939484

01:17:00.920 --> 01:17:03.360 so really forcing me to

NOTE Confidence: 0.86939484

01:17:03.360 --> 01:17:05.800 embrace her pride in me.

NOTE Confidence: 0.86939484

01:17:05.800 --> 01:17:09.046 I'm really fortunate to have introduced

NOTE Confidence: 0.86939484

01:17:09.046 --> 01:17:12.093 a new possibility to my family's

NOTE Confidence: 0.86939484

01:17:12.093 --> 01:17:15.158 intergenerational experience in that way.

NOTE Confidence: 0.86939484

01:17:15.160 --> 01:17:16.480 So not as a doctor,

NOTE Confidence: 0.86939484

01:17:16.480 --> 01:17:18.760 but as a clinical social worker,

NOTE Confidence: 0.86939484

01:17:18.760 --> 01:17:21.105 I've been faculty at the Child Study

NOTE Confidence: 0.86939484

01:17:21.105 --> 01:17:23.320 Center in the Family Based Recovery

NOTE Confidence: 0.86939484

01:17:23.320 --> 01:17:25.600 Model for more than 14 years.

NOTE Confidence: 0.86939484

01:17:25.600 --> 01:17:28.600 In Family Based Recovery, or FBR.

NOTE Confidence: 0.86939484

01:17:28.600 --> 01:17:31.300 We treat families who experience

NOTE Confidence: 0.86939484

01:17:31.300 --> 01:17:32.920 challenges across generations,

NOTE Confidence: 0.86939484

01:17:32.920 --> 01:17:34.576 including trauma,

NOTE Confidence: 0.86939484

01:17:34.576 --> 01:17:38.716 parental addiction and family separation.

NOTE Confidence: 0.86939484

01:17:38.720 --> 01:17:41.884 Our hope is to inter interrupt some

NOTE Confidence: 0.86939484

01:17:41.884 --> 01:17:43.880 of these intergenerational experiences

NOTE Confidence: 0.86939484

01:17:43.880 --> 01:17:46.675 and to introduce new possibilities

NOTE Confidence: 0.86939484

01:17:46.680 --> 01:17:49.110 for recovery and to keep families

NOTE Confidence: 0.86939484

01:17:49.110 --> 01:17:51.800 together rather than to separate them.

NOTE Confidence: 0.86939484

01:17:51.800 --> 01:17:53.555 And understanding that substance use

NOTE Confidence: 0.86939484

01:17:53.555 --> 01:17:55.813 is often part of the constellation

NOTE Confidence: 0.86939484

01:17:55.813 --> 01:17:57.973 of concerns when young children

NOTE Confidence: 0.86939484

01:17:57.973 --> 01:18:00.320 are separated from their families.

NOTE Confidence: 0.86939484

01:18:00.320 --> 01:18:03.480 FBR combines substance use treatment

NOTE Confidence: 0.86939484

01:18:03.480 --> 01:18:06.905 with home visiting and dyadic

NOTE Confidence: 0.86939484

01:18:06.905 --> 01:18:08.960 parent child therapy.

NOTE Confidence: 0.86939484

01:18:08.960 --> 01:18:10.532 Attending to the relationship

NOTE Confidence: 0.86939484

01:18:10.532 --> 01:18:12.890 between the parent and the child

NOTE Confidence: 0.86939484

01:18:12.958 --> 01:18:14.690 with simultaneous treatment to

NOTE Confidence: 0.86939484

01:18:14.690 --> 01:18:17.580 the parent is the main Ave.

NOTE Confidence: 0.86939484

01:18:17.580 --> 01:18:19.600 For this intergenerational impact

NOTE Confidence: 0.86939484

01:18:19.600 --> 01:18:21.840 that we hope to have.

NOTE Confidence: 0.86939484

01:18:21.840 --> 01:18:25.386 FBR provides long term and intensive

NOTE Confidence: 0.86939484

01:18:25.386 --> 01:18:29.008 treatment which in this world of of

NOTE Confidence: 0.86939484

01:18:29.008 --> 01:18:30.848 adult substance use treatment can

NOTE Confidence: 0.86939484

01:18:30.848 --> 01:18:33.756 feel like a luxury to be able to

NOTE Confidence: 0.86939484

01:18:33.756 --> 01:18:36.599 work with families for up to a year.

NOTE Confidence: 0.86939484

01:18:36.600 --> 01:18:39.255 This is work that I truly love and I'm

NOTE Confidence: 0.86939484

01:18:39.255 --> 01:18:41.434 often seeking ways to to learn more

NOTE Confidence: 0.86939484

01:18:41.434 --> 01:18:44.560 and to expand what I know in the field.

NOTE Confidence: 0.86939484

01:18:44.560 --> 01:18:47.496 And so I applied for and received a

NOTE Confidence: 0.86939484

01:18:47.496 --> 01:18:49.558 Faculty Development Fund to support

NOTE Confidence: 0.86939484

01:18:49.558 --> 01:18:51.658 me in obtaining a professional

NOTE Confidence: 0.86939484

01:18:51.658 --> 01:18:53.559 endorsement from the Connecticut

NOTE Confidence: 0.86939484

01:18:53.559 --> 01:18:56.034 Association of Infant Mental Health.

NOTE Confidence: 0.86939484

01:18:56.040 --> 01:18:58.880 This is an internationally recognized

NOTE Confidence: 0.86939484

01:18:58.880 --> 01:19:01.152 credential that communicates specialization

NOTE Confidence: 0.86939484

01:19:01.160 --> 01:19:04.304 and family work for families during

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NOTE Confidence: 0.86939484

01:19:04.304 --> 01:19:06.400 infancy and early childhood.

NOTE Confidence: 0.86939484

01:19:06.400 --> 01:19:08.440 And as John Dolby said,

NOTE Confidence: 0.86939484

01:19:08.440 --> 01:19:11.356 if a community values its children,

NOTE Confidence: 0.86939484

01:19:11.360 --> 01:19:15.518 it must truly chop cherish its parents.

NOTE Confidence: 0.86939484

01:19:15.520 --> 01:19:17.928 What better way to initiate new family

NOTE Confidence: 0.86939484

01:19:17.928 --> 01:19:21.519 cycles and to focus on babies and infancy?

NOTE Confidence: 0.86939484

01:19:21.520 --> 01:19:24.124 The babies, the newest members of the family,

NOTE Confidence: 0.86939484

01:19:24.124 --> 01:19:26.350 and some might say the most

NOTE Confidence: 0.86939484

01:19:26.424 --> 01:19:27.759 infused with hope.

NOTE Confidence: 0.86939484

01:19:27.760 --> 01:19:28.432 In FBR,

NOTE Confidence: 0.86939484

01:19:28.432 --> 01:19:30.448 we witnessed that infants and young

NOTE Confidence: 0.86939484

01:19:30.448 --> 01:19:32.416 children are the powerful motivators

NOTE Confidence: 0.86939484

01:19:32.416 --> 01:19:34.476 for recovery for their parents,

NOTE Confidence: 0.86939484

01:19:34.480 --> 01:19:36.526 as well as motivators for parents

NOTE Confidence: 0.86939484

01:19:36.526 --> 01:19:39.179 who often hope to create a different

NOTE Confidence: 0.86939484

01:19:39.179 --> 01:19:40.807 experience for their children

NOTE Confidence: 0.86939484

01:19:40.807 --> 01:19:43.040 than the one that they had.

NOTE Confidence: 0.86939484

01:19:43.040 --> 01:19:44.780 The professional endorsement that

NOTE Confidence: 0.86939484

01:19:44.780 --> 01:19:47.390 the Faculty Fund supported me to

NOTE Confidence: 0.8418555

01:19:47.461 --> 01:19:49.748 obtain an infant mental health has

NOTE Confidence: 0.8418555

01:19:49.748 --> 01:19:51.904 allowed me to deepen my practice of

NOTE Confidence: 0.8418555

01:19:51.904 --> 01:19:53.766 centering the baby or centering the

NOTE Confidence: 0.8418555

01:19:53.766 --> 01:19:56.328 child in the family and the family work

NOTE Confidence: 0.8418555

01:19:56.328 --> 01:19:58.380 to maximize the possibility of this

NOTE Confidence: 0.8418555

01:19:58.450 --> 01:20:00.878 intergenerational recovery and healing.

NOTE Confidence: 0.8418555

01:20:00.880 --> 01:20:02.780 The Infant Mental Health Endorsement

NOTE Confidence: 0.8418555

01:20:02.780 --> 01:20:05.156 has also supported my learning of

NOTE Confidence: 0.8418555

01:20:05.156 --> 01:20:06.808 reflective practice and understanding

NOTE Confidence: 0.8418555

01:20:06.808 --> 01:20:08.895 the impact that this work has on

NOTE Confidence: 0.8418555

01:20:08.895 --> 01:20:11.085 all of us as the providers aiding

NOTE Confidence: 0.8418555

01:20:11.085 --> 01:20:13.665 in my goal to provide reflective

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NOTE Confidence: 0.8418555

01:20:13.665 --> 01:20:15.447 consultation to other professionals

NOTE Confidence: 0.8418555

01:20:15.447 --> 01:20:17.899 in this work and understanding that

NOTE Confidence: 0.8418555

01:20:17.899 --> 01:20:19.864 when parents are identified as

NOTE Confidence: 0.8418555

01:20:19.864 --> 01:20:21.720 having substance use disorders and.

NOTE Confidence: 0.8418555

01:20:21.720 --> 01:20:24.105 When there is sometimes substance

NOTE Confidence: 0.8418555

01:20:24.105 --> 01:20:26.490 use during pregnancy or in

NOTE Confidence: 0.8418555

01:20:26.573 --> 01:20:28.877 utero exposure to substances,

NOTE Confidence: 0.8418555

01:20:28.880 --> 01:20:31.754 there is often a weight and a

NOTE Confidence: 0.8418555

01:20:31.754 --> 01:20:33.839 tremendous heaviness to the families

NOTE Confidence: 0.8418555

01:20:33.839 --> 01:20:35.646 in these to these families,

NOTE Confidence: 0.8418555

01:20:35.646 --> 01:20:37.578 and often also to the providers

NOTE Confidence: 0.8418555

01:20:37.578 --> 01:20:39.759 who are journeying alongside them.

NOTE Confidence: 0.76207393

01:20:41.520 --> 01:20:42.280 We hope that in our

NOTE Confidence: 0.627840366666667

01:20:42.280 --> 01:20:44.458 treatment and FBR, we are counteracting

NOTE Confidence: 0.627840366666667

01:20:44.458 --> 01:20:46.360 that stigma with treatment deeply

NOTE Confidence: 0.627840366666667

01:20:46.360 --> 01:20:48.676 rooted and safe and accepting treatment

NOTE Confidence: 0.627840366666667

01:20:48.676 --> 01:20:50.629 relationships very much supported by

NOTE Confidence: 0.627840366666667

01:20:50.629 --> 01:20:52.479 the infant mental health approach.

NOTE Confidence: 0.35937324

01:20:54.800 --> 01:20:56.781 Additionally, as a black woman and

NOTE Confidence: 0.35937324

01:20:56.781 --> 01:20:59.223 descendant of capable people without formal

NOTE Confidence: 0.35937324

01:20:59.223 --> 01:21:02.198 or institutional knowledge and education,

NOTE Confidence: 0.35937324

01:21:02.200 --> 01:21:04.020 it's been important for me to validate

NOTE Confidence: 0.35937324

01:21:04.020 --> 01:21:05.878 that there are many ways of knowing.

NOTE Confidence: 0.35937324

01:21:05.880 --> 01:21:08.600 In addition to traditional

NOTE Confidence: 0.35937324

01:21:08.600 --> 01:21:11.320 medical or educational models,

NOTE Confidence: 0.35937324

01:21:11.320 --> 01:21:13.795 Faculty Development Fund has also

NOTE Confidence: 0.35937324

01:21:13.795 --> 01:21:16.226 given me access dedicated learning,

NOTE Confidence: 0.35937324

01:21:16.226 --> 01:21:18.591 holistic models of healing trauma

NOTE Confidence: 0.35937324

01:21:18.591 --> 01:21:21.621 from experts in the field of what

NOTE Confidence: 0.35937324

01:21:21.621 --> 01:21:23.541 is called indigoggy or Indigenous

NOTE Confidence: 0.35937324

01:21:23.541 --> 01:21:25.438 ways of knowing and being.

NOTE Confidence: 0.35937324

01:21:25.440 --> 01:21:27.678 This learning is truly opening my

NOTE Confidence: 0.35937324

01:21:27.678 --> 01:21:29.608 understanding of the strength and

NOTE Confidence: 0.35937324

01:21:29.608 --> 01:21:31.473 teachings that come from generations

NOTE Confidence: 0.35937324

01:21:31.473 --> 01:21:33.799 before the present and from teachers

NOTE Confidence: 0.35937324

01:21:33.800 --> 01:21:36.256 who may not have always been valued due

NOTE Confidence: 0.35937324

01:21:36.256 --> 01:21:38.797 to their lack of formalized education,

NOTE Confidence: 0.35937324

01:21:38.800 --> 01:21:40.536 much like the early teachers in my life

NOTE Confidence: 0.35937324

01:21:40.536 --> 01:21:42.459 and much like the early teachers and the

NOTE Confidence: 0.35937324

01:21:42.459 --> 01:21:44.277 lives of the families that we work with.

NOTE Confidence: 0.7950805

01:21:46.560 --> 01:21:48.400 As we can see, continued professional

NOTE Confidence: 0.7950805

01:21:48.400 --> 01:21:51.176 learning comes from multiple pathways and

NOTE Confidence: 0.7950805

01:21:51.176 --> 01:21:53.224 that we learn from the time spent from

NOTE Confidence: 0.7950805

01:21:53.224 --> 01:21:55.196 being with and listening to families,

NOTE Confidence: 0.7950805

01:21:55.200 --> 01:21:57.960 from our colleagues in the mutual

NOTE Confidence: 0.7950805

01:21:57.960 --> 01:22:00.480 relationships between research and practice,

NOTE Confidence: 0.7950805

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01:22:00.480 --> 01:22:04.110 and also formerly as students in classrooms,

NOTE Confidence: 0.7950805

01:22:04.110 --> 01:22:07.080 which can be costly to access.

NOTE Confidence: 0.7950805

01:22:07.080 --> 01:22:09.616 The cost can be a disincentive for many

NOTE Confidence: 0.7950805

01:22:09.616 --> 01:22:12.080 pursuing the the learning or furthering

NOTE Confidence: 0.7950805

01:22:12.080 --> 01:22:14.500 education and philanthropy can and has and

NOTE Confidence: 0.7950805

01:22:14.500 --> 01:22:17.157 does play a crucial role in this access.

NOTE Confidence: 0.7950805

01:22:17.160 --> 01:22:20.481 And for me coming in the amount of funds

NOTE Confidence: 0.7950805

01:22:20.481 --> 01:22:24.102 of sometimes just a few $100 to be able

NOTE Confidence: 0.7950805

01:22:24.102 --> 01:22:27.416 to access that continued learning and

NOTE Confidence: 0.7950805

01:22:27.416 --> 01:22:29.240 philanthropy for continued community,

NOTE Confidence: 0.7950805

01:22:29.240 --> 01:22:31.150 for continued learning communicates and

NOTE Confidence: 0.7950805

01:22:31.150 --> 01:22:33.948 investing in faculty in this way is a

NOTE Confidence: 0.7950805

01:22:33.948 --> 01:22:35.873 valued action at the Child Study Center,

NOTE Confidence: 0.7950805

01:22:35.880 --> 01:22:39.040 which I truly appreciate.

NOTE Confidence: 0.7950805

01:22:39.040 --> 01:22:40.648 I look forward to hearing the stories from

NOTE Confidence: 0.7950805

01:22:40.648 --> 01:22:42.319 the rest of my colleagues in this panel.

NOTE Confidence: 0.7950805

01:22:42.320 --> 01:22:46.793 And we'll now pass this on to Victoria Staub.

NOTE Confidence: 0.7950805

01:22:46.800 --> 01:22:47.960 Thank you for your time.

NOTE Confidence: 0.3844494

01:22:49.120 --> 01:22:50.200 Thank you, Amy.

NOTE Confidence: 0.3844494

01:22:53.360 --> 01:22:56.753 So my name is Victoria Staub and I'm a

NOTE Confidence: 0.3844494

01:22:56.753 --> 01:22:59.220 licensed clinical social worker and I'm

NOTE Confidence: 0.3844494

01:22:59.220 --> 01:23:02.560 one of the directors of the ICAPS Network.

NOTE Confidence: 0.3844494

01:23:02.560 --> 01:23:04.640 And for those of you who don't know,

NOTE Confidence: 0.3844494

01:23:04.640 --> 01:23:09.240 ICAPS is a intensive home based model for

NOTE Confidence: 0.3844494

01:23:09.240 --> 01:23:12.550 really children and adolescents who are in

NOTE Confidence: 0.3844494

01:23:12.550 --> 01:23:15.958 crisis and often their families are as well.

NOTE Confidence: 0.3844494

01:23:15.960 --> 01:23:18.740 Often times what we're dealing with are

NOTE Confidence: 0.3844494

01:23:18.740 --> 01:23:21.176 the long term impacts of complex trauma.

NOTE Confidence: 0.3844494

01:23:21.176 --> 01:23:24.760 Most of the kids in our program have

NOTE Confidence: 0.3844494

01:23:24.880 --> 01:23:29.350 multiple diagnosis and most of them

NOTE Confidence: 0.3844494

01:23:29.350 --> 01:23:31.368 are endorsing at least one history

NOTE Confidence: 0.3844494

01:23:31.368 --> 01:23:34.600 of a traumatic experience.

NOTE Confidence: 0.3844494

01:23:34.600 --> 01:23:38.160 And so when I was trying to kind of

NOTE Confidence: 0.3844494

01:23:38.160 --> 01:23:40.422 come up with a through line to to

NOTE Confidence: 0.3844494

01:23:40.422 --> 01:23:44.960 like tell you how I came to be here,

NOTE Confidence: 0.3844494

01:23:44.960 --> 01:23:47.284 really the first thought I had was

NOTE Confidence: 0.3844494

01:23:47.284 --> 01:23:50.900 for as long as I can remember I've

NOTE Confidence: 0.3844494

01:23:50.900 --> 01:23:53.560 experienced myself and my gender as non

NOTE Confidence: 0.3844494

01:23:53.560 --> 01:23:57.331 binary as third gender or androgynous.

NOTE Confidence: 0.3844494

01:23:57.331 --> 01:24:01.800 And I think that this experience really

NOTE Confidence: 0.64309746

01:24:02.760 --> 01:24:04.440 drew me to outsiders.

NOTE Confidence: 0.64309746

01:24:05.160 --> 01:24:07.180 And so flash forward to

NOTE Confidence: 0.64309746

01:24:07.180 --> 01:24:08.840 my undergraduate years.

NOTE Confidence: 0.64309746

01:24:09.360 --> 01:24:11.380 I spent a lot of time working

NOTE Confidence: 0.64309746

01:24:11.380 --> 01:24:13.440 in harm reduction and working

NOTE Confidence: 0.64309746

01:24:13.440 --> 01:24:16.960 with injection drug users and people who

NOTE Confidence: 0.64309746

01:24:18.280 --> 01:24:20.656 really, it turns out we're in

NOTE Confidence: 0.64309746

01:24:20.656 --> 01:24:22.396 an incredible amount of pain.

NOTE Confidence: 0.64309746

01:24:22.400 --> 01:24:25.514 And this was the pattern over and over again.

NOTE Confidence: 0.64309746

01:24:25.520 --> 01:24:28.200 Many different life backgrounds,

NOTE Confidence: 0.64309746

01:24:28.200 --> 01:24:30.080 but lots of pain and lots of pain

NOTE Confidence: 0.64309746

01:24:30.080 --> 01:24:32.170 in their childhood and in their

NOTE Confidence: 0.64309746

01:24:32.170 --> 01:24:33.438 relationships with their families.

NOTE Confidence: 0.9519421

01:24:35.240 --> 01:24:36.840 And so again kind

NOTE Confidence: 0.9519421

01:24:36.840 --> 01:24:38.440 of flash forward to my

NOTE Confidence: 0.9519421

01:24:38.960 --> 01:24:40.600 master's program. I'm finishing

NOTE Confidence: 0.9519421

01:24:40.600 --> 01:24:42.157 and I don't know what I want to do,

NOTE Confidence: 0.9519421

01:24:42.160 --> 01:24:44.252 but I find a fellowship at the

NOTE Confidence: 0.9519421

01:24:44.252 --> 01:24:46.480 Yale Child Study Center offered

NOTE Confidence: 0.9519421

01:24:47.280 --> 01:24:48.440 with an intensive home

NOTE Confidence: 0.9519421

01:24:48.440 --> 01:24:50.240 based program that really

NOTE Confidence: 0.42909345

01:24:51.280 --> 01:24:53.386 is meeting people literally where

NOTE Confidence: 0.42909345

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01:24:53.386 --> 01:24:55.520 they are at in their homes,

NOTE Confidence: 0.42909345

01:24:55.520 --> 01:24:57.200 in their communities,

NOTE Confidence: 0.42909345

01:24:57.200 --> 01:24:59.040 meeting their family members.

NOTE Confidence: 0.42909345

01:24:59.040 --> 01:25:03.880 And so I stayed on after my fellowship

NOTE Confidence: 0.42909345

01:25:03.880 --> 01:25:06.660 obviously and spent the next decade

NOTE Confidence: 0.42909345

01:25:06.660 --> 01:25:11.106 really being mentored by Gene Adnapose,

NOTE Confidence: 0.42909345

01:25:11.106 --> 01:25:14.260 Joe Woolston, Arietta Slade.

NOTE Confidence: 0.42909345

01:25:14.260 --> 01:25:15.888 And out of this,

NOTE Confidence: 0.42909345

01:25:15.888 --> 01:25:17.190 out of these mentorships,

NOTE Confidence: 0.42909345

01:25:17.190 --> 01:25:21.344 developed a clinical tool and

NOTE Confidence: 0.42909345

01:25:21.344 --> 01:25:25.090 developed a clinical measure and

NOTE Confidence: 0.42909345

01:25:25.090 --> 01:25:27.746 have really worked to improve the

NOTE Confidence: 0.42909345

01:25:27.746 --> 01:25:29.888 program based on the data that we've

NOTE Confidence: 0.42909345

01:25:29.888 --> 01:25:32.920 been able to collect over the years.

NOTE Confidence: 0.42909345

01:25:32.920 --> 01:25:34.078 And so this is a database

NOTE Confidence: 0.91223675

01:25:34.080 --> 01:25:35.319 of about 20,000

NOTE Confidence: 0.91223675

01:25:35.320 --> 01:25:36.600 kids at this point,

NOTE Confidence: 0.91223675

01:25:37.520 --> 01:25:38.678 about 2000 kids

NOTE Confidence: 0.91223675

01:25:38.680 --> 01:25:41.720 a year are seen by ICAPS. So

NOTE Confidence: 0.80289567

01:25:44.120 --> 01:25:46.328 last year when we found out that

NOTE Confidence: 0.80289567

01:25:46.328 --> 01:25:48.000 the state was not really going to

NOTE Confidence: 0.80289567

01:25:48.000 --> 01:25:50.012 be able to continue to fund our

NOTE Confidence: 0.80289567

01:25:50.012 --> 01:25:53.000 database that's very, very old.

NOTE Confidence: 0.80289567

01:25:53.000 --> 01:25:58.120 It was only through a generous donation that

NOTE Confidence: 0.80289567

01:25:58.120 --> 01:25:59.080 we were able to

NOTE Confidence: 0.80289567

01:25:59.080 --> 01:26:03.568 kind of develop a new database and

NOTE Confidence: 0.80289567

01:26:03.568 --> 01:26:05.304 continue to collect this data that I

NOTE Confidence: 0.80289567

01:26:05.304 --> 01:26:08.332 just think is so important on this

NOTE Confidence: 0.80289567

01:26:08.332 --> 01:26:11.594 population that I think would not otherwise

NOTE Confidence: 0.44308046

01:26:12.120 --> 01:26:15.600 be able to be be so represented, right.

NOTE Confidence: 0.44308046

01:26:17.800 --> 01:26:20.360 So yeah, that's really how

NOTE Confidence: 0.44308046

01:26:20.360 --> 01:26:21.956 you know in, in my clinical

NOTE Confidence: 0.44308046

01:26:21.960 --> 01:26:23.436 career I'd I think is very

NOTE Confidence: 0.44308046

01:26:23.436 --> 01:26:25.119 impacted by this as well because

NOTE Confidence: 0.44308046

01:26:25.520 --> 01:26:27.280 all of our publications are

NOTE Confidence: 0.44308046

01:26:27.280 --> 01:26:29.840 days based in this database and

NOTE Confidence: 0.44308046

01:26:31.280 --> 01:26:32.798 we hope to continue to be

NOTE Confidence: 0.44308046

01:26:32.800 --> 01:26:34.360 able to improve

NOTE Confidence: 0.44308046

01:26:34.360 --> 01:26:35.520 the program. You know,

NOTE Confidence: 0.44308046

01:26:35.520 --> 01:26:37.064 without quality assurance and

NOTE Confidence: 0.44308046

01:26:37.064 --> 01:26:38.260 quality improvement, we wouldn't

NOTE Confidence: 0.44308046

01:26:38.260 --> 01:26:39.760 be able to know if we're doing

NOTE Confidence: 0.44308046

01:26:39.760 --> 01:26:41.279 what we say we're trying to do

NOTE Confidence: 0.967818

01:26:46.700 --> 01:26:48.380 and if we're actually

NOTE Confidence: 0.967818

01:26:48.380 --> 01:26:49.198 making improvements.

NOTE Confidence: 0.967818

01:26:49.198 --> 01:26:51.652 So thank you very much for

NOTE Confidence: 0.967818

01:26:51.652 --> 01:26:54.166 your time and I will send this

NOTE Confidence: 0.967818

01:26:54.166 --> 01:26:55.620 over to Maggie, my colleague.

NOTE Confidence: 0.5777004

01:26:58.000 --> 01:26:58.984 Thank you Victoria.

NOTE Confidence: 0.5777004

01:26:58.984 --> 01:27:00.676 And Amy, it's really an honor

NOTE Confidence: 0.5777004

01:27:00.676 --> 01:27:02.230 to be here with everyone and

NOTE Confidence: 0.5777004

01:27:02.284 --> 01:27:04.520 just hear everyone's stories.

NOTE Confidence: 0.5777004

01:27:04.520 --> 01:27:06.160 So I'm a pediatric psychologist.

NOTE Confidence: 0.5777004

01:27:06.160 --> 01:27:08.025 I specialize in working with

NOTE Confidence: 0.5777004

01:27:08.025 --> 01:27:10.052 with youth who have a variety

NOTE Confidence: 0.5777004

01:27:10.052 --> 01:27:11.116 of chronic health conditions.

NOTE Confidence: 0.5777004

01:27:11.120 --> 01:27:13.514 But I I have a specialty in in GI

NOTE Confidence: 0.5777004

01:27:13.514 --> 01:27:16.172 so identify it as a GI psychologist

NOTE Confidence: 0.5777004

01:27:16.172 --> 01:27:18.432 and that's the kind of clinical

NOTE Confidence: 0.5777004

01:27:18.432 --> 01:27:20.980 work that I do here at Yale and

NOTE Confidence: 0.5777004

01:27:20.980 --> 01:27:22.780 in in thinking through where to

NOTE Confidence: 0.5777004

01:27:22.780 --> 01:27:26.108 start my story for the sake of

NOTE Confidence: 0.5777004

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01:27:26.108 --> 01:27:28.149 time I'll start during senior year

NOTE Confidence: 0.5777004

01:27:28.149 --> 01:27:30.207 about senior year of college a

NOTE Confidence: 0.5777004

01:27:30.207 --> 01:27:32.206 month before graduation as a 22

NOTE Confidence: 0.5777004

01:27:32.206 --> 01:27:34.166 year old just having that moment

NOTE Confidence: 0.5777004

01:27:34.166 --> 01:27:35.996 of of paralysis and not really

NOTE Confidence: 0.5777004

01:27:35.996 --> 01:27:38.840 sure what I was going to do next.

NOTE Confidence: 0.5777004

01:27:38.840 --> 01:27:41.115 I had been on a pretty traditional

NOTE Confidence: 0.5777004

01:27:41.120 --> 01:27:43.500 academic path in in college and worked

NOTE Confidence: 0.5777004

01:27:43.500 --> 01:27:45.480 in a developmental psychology lab,

NOTE Confidence: 0.5777004

01:27:45.480 --> 01:27:47.688 so had all these plans to

NOTE Confidence: 0.5777004

01:27:47.688 --> 01:27:50.345 continue on that that linear path.

NOTE Confidence: 0.5777004

01:27:50.345 --> 01:27:52.920 After after I graduated and

NOTE Confidence: 0.5777004

01:27:52.920 --> 01:27:55.624 just starting in in May,

NOTE Confidence: 0.5777004

01:27:55.624 --> 01:27:58.208 I I had had this pull to clinical

NOTE Confidence: 0.5777004

01:27:58.208 --> 01:27:59.876 work even though I hadn't had

NOTE Confidence: 0.5777004

01:27:59.876 --> 01:28:01.640 much you know traditional exposure

NOTE Confidence: 0.5777004

01:28:01.640 --> 01:28:03.716 to it just felt myself wondering

NOTE Confidence: 0.5777004

01:28:03.716 --> 01:28:05.270 if I should explore whether that

NOTE Confidence: 0.5777004

01:28:05.320 --> 01:28:06.200 was the path for me.

NOTE Confidence: 0.5777004

01:28:06.200 --> 01:28:09.116 So after graduation I decided to

NOTE Confidence: 0.5777004

01:28:09.116 --> 01:28:12.306 veer paths from my original plans

NOTE Confidence: 0.5777004

01:28:12.306 --> 01:28:14.550 and paused on their their research

NOTE Confidence: 0.5777004

01:28:14.550 --> 01:28:17.298 and took took a job as a teacher

NOTE Confidence: 0.5777004

01:28:17.298 --> 01:28:19.219 down in North Carolina as a a

NOTE Confidence: 0.5777004

01:28:19.219 --> 01:28:20.570 teacher in a school for for kids

NOTE Confidence: 0.5777004

01:28:20.628 --> 01:28:22.268 with mental health conditions and

NOTE Confidence: 0.5777004

01:28:22.268 --> 01:28:23.908 learning challenges that made it

NOTE Confidence: 0.5777004

01:28:23.959 --> 01:28:25.599 really challenging for them to

NOTE Confidence: 0.5777004

01:28:25.599 --> 01:28:27.239 participate in really in mainstream

NOTE Confidence: 0.5777004

01:28:27.240 --> 01:28:30.640 society and in mainstream schooling.

NOTE Confidence: 0.5777004

01:28:30.640 --> 01:28:32.432 And that sort of the the thread

NOTE Confidence: 0.5777004

01:28:32.432 --> 01:28:34.327 through my career has been that I

NOTE Confidence: 0.5777004

01:28:34.327 --> 01:28:36.016 really enjoy working with kids teens

NOTE Confidence: 0.5777004

01:28:36.016 --> 01:28:38.172 and young adults who who don't fit

NOTE Confidence: 0.5777004

01:28:38.172 --> 01:28:40.427 into the boxes that we create in

NOTE Confidence: 0.5777004

01:28:40.427 --> 01:28:42.240 healthcare or in school systems.

NOTE Confidence: 0.5777004

01:28:42.240 --> 01:28:43.560 And that that teaching experience

NOTE Confidence: 0.5777004

01:28:43.560 --> 01:28:45.317 it was it's the hardest job I've

NOTE Confidence: 0.5777004

01:28:45.317 --> 01:28:46.277 I've had in my life.

NOTE Confidence: 0.5777004

01:28:46.280 --> 01:28:47.880 I learned so much in the time that

NOTE Confidence: 0.5777004

01:28:47.880 --> 01:28:49.597 I was there and it really it made

NOTE Confidence: 0.5777004

01:28:49.597 --> 01:28:51.445 me feel a true investment in that

NOTE Confidence: 0.5777004

01:28:51.445 --> 01:28:52.396 kind of population.

NOTE Confidence: 0.5777004

01:28:52.400 --> 01:28:54.437 So I I quickly knew that I,

NOTE Confidence: 0.5777004

01:28:54.440 --> 01:28:54.747 I,

NOTE Confidence: 0.5777004

01:28:54.747 --> 01:28:56.896 I wanted to continue this path as

NOTE Confidence: 0.5777004

01:28:56.896 --> 01:28:59.109 a clinical psychologist and then

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NOTE Confidence: 0.5777004

01:28:59.109 --> 01:29:01.149 over time specialized further

NOTE Confidence: 0.5777004

01:29:01.149 --> 01:29:02.679 into pediatric psychology.

NOTE Confidence: 0.5777004

01:29:02.680 --> 01:29:04.378 And part of being a pediatric

NOTE Confidence: 0.5777004

01:29:04.378 --> 01:29:06.155 psychologist that I really love is

NOTE Confidence: 0.5777004

01:29:06.155 --> 01:29:08.234 working as part of an interdisciplinary team.

NOTE Confidence: 0.5777004

01:29:08.240 --> 01:29:09.404 So working with people in all

NOTE Confidence: 0.5777004

01:29:09.404 --> 01:29:10.794 different specialties so that

NOTE Confidence: 0.5777004

01:29:10.794 --> 01:29:13.272 we can help these kids who don't

NOTE Confidence: 0.5777004

01:29:13.272 --> 01:29:15.515 necessarily fit in these boxes that

NOTE Confidence: 0.5777004

01:29:15.515 --> 01:29:17.717 we create in our healthcare system.

NOTE Confidence: 0.5777004

01:29:17.720 --> 01:29:19.512 So I I trained for my residency

NOTE Confidence: 0.5777004

01:29:19.512 --> 01:29:21.440 on the West Coast in Oregon,

NOTE Confidence: 0.5777004

01:29:21.440 --> 01:29:23.340 and when it came time to

NOTE Confidence: 0.5777004

01:29:23.340 --> 01:29:24.240 considering a fellowship,

NOTE Confidence: 0.5777004

01:29:24.240 --> 01:29:25.550 I was really fascinated by

NOTE Confidence: 0.5777004

01:29:25.550 --> 01:29:27.040 the gut brain connection.

NOTE Confidence: 0.5777004

01:29:27.040 --> 01:29:30.304 And the the field of GI psychology was

NOTE Confidence: 0.5777004

01:29:30.304 --> 01:29:32.463 a relatively new field in Pediatrics

NOTE Confidence: 0.5777004

01:29:32.463 --> 01:29:35.368 at the time and there were very few

NOTE Confidence: 0.5777004

01:29:35.368 --> 01:29:37.598 formalized training programs for it.

NOTE Confidence: 0.5777004

01:29:37.600 --> 01:29:38.790 And I happened to be at the

NOTE Confidence: 0.5777004

01:29:38.790 --> 01:29:39.959 right place at the right time.

NOTE Confidence: 0.5777004

01:29:39.960 --> 01:29:43.480 And that the hospital that I

NOTE Confidence: 0.5777004

01:29:43.480 --> 01:29:45.520 was completing my residency for

NOTE Confidence: 0.7928155

01:29:45.520 --> 01:29:47.620 received a really generous donation

NOTE Confidence: 0.7928155

01:29:47.620 --> 01:29:50.919 from a donor who was really invested

NOTE Confidence: 0.7928155

01:29:50.920 --> 01:29:52.260 in addressing the mental health

NOTE Confidence: 0.7928155

01:29:52.260 --> 01:29:54.360 needs of of kids with GI conditions.

NOTE Confidence: 0.7928155

01:29:54.360 --> 01:29:56.112 Because GI conditions tend to be

NOTE Confidence: 0.7928155

01:29:56.112 --> 01:29:57.583 these invisible problems that kids

NOTE Confidence: 0.7928155

01:29:57.583 --> 01:29:59.083 have that are embarrassing to talk

NOTE Confidence: 0.7928155

01:29:59.083 --> 01:30:01.056 about and and keep them out of school

NOTE Confidence: 0.7928155

01:30:01.056 --> 01:30:02.588 and in in their day-to-day life.

NOTE Confidence: 0.7928155

01:30:02.588 --> 01:30:05.024 So because of the the generosity of

NOTE Confidence: 0.7928155

01:30:05.024 --> 01:30:07.994 that donor, I was able to have this

NOTE Confidence: 0.7928155

01:30:07.994 --> 01:30:09.510 really specialized training experience

NOTE Confidence: 0.7928155

01:30:09.578 --> 01:30:11.682 which which led me on the the career

NOTE Confidence: 0.7928155

01:30:11.682 --> 01:30:13.680 that I I've pursued until now.

NOTE Confidence: 0.7928155

01:30:13.680 --> 01:30:16.506 So I I stayed on the West Coast for

NOTE Confidence: 0.7928155

01:30:16.506 --> 01:30:19.520 a while and then came to Gale almost

NOTE Confidence: 0.7928155

01:30:19.520 --> 01:30:22.455 three years ago and had the privilege of

NOTE Confidence: 0.7928155

01:30:22.455 --> 01:30:25.040 partnering with my GI colleagues here.

NOTE Confidence: 0.7928155

01:30:25.040 --> 01:30:28.280 And because of the the, you know,

NOTE Confidence: 0.7928155

01:30:28.280 --> 01:30:30.320 support of our child Study Center

NOTE Confidence: 0.7928155

01:30:30.320 --> 01:30:32.238 faculty and and the associates,

NOTE Confidence: 0.7928155

01:30:32.240 --> 01:30:34.896 we have been able to really build some

NOTE Confidence: 0.7928155

01:30:34.896 --> 01:30:37.520 exciting programming that we're we're really,

NOTE Confidence: 0.7928155

01:30:37.520 --> 01:30:39.949 we're really proud of to help these

NOTE Confidence: 0.7928155

01:30:39.949 --> 01:30:42.612 kids in in our GI section who may

NOTE Confidence: 0.7928155

01:30:42.612 --> 01:30:45.160 not have very clear places to go.

NOTE Confidence: 0.7928155

01:30:45.160 --> 01:30:46.888 So that the specific clinical innovations

NOTE Confidence: 0.7928155

01:30:46.888 --> 01:30:49.151 I wanted to share today are two

NOTE Confidence: 0.7928155

01:30:49.151 --> 01:30:50.559 interdisciplinary clinics that we've

NOTE Confidence: 0.7928155

01:30:50.559 --> 01:30:52.412 started recently that are targeted to

NOTE Confidence: 0.7928155

01:30:52.412 --> 01:30:54.155 treat kids who have what are called

NOTE Confidence: 0.7928155

01:30:54.160 --> 01:30:56.240 disorders of gut brain interaction.

NOTE Confidence: 0.7928155

01:30:56.240 --> 01:30:58.260 So these are conditions that the

NOTE Confidence: 0.7928155

01:30:58.260 --> 01:31:00.080 traditional medical testing is normal.

NOTE Confidence: 0.7928155

01:31:00.080 --> 01:31:02.537 You know that these these conditions are

NOTE Confidence: 0.7928155

01:31:02.537 --> 01:31:04.838 impairing kids who have abdominal pain,

NOTE Confidence: 0.7928155

01:31:04.840 --> 01:31:05.076 nausea,

NOTE Confidence: 0.7928155

01:31:05.076 --> 01:31:06.728 all of the GI symptoms that can

NOTE Confidence: 0.7928155

01:31:06.728 --> 01:31:08.880 make it really hard to function.

NOTE Confidence: 0.7928155

01:31:08.880 --> 01:31:10.581 And they've been told by many previous

NOTE Confidence: 0.7928155

01:31:10.581 --> 01:31:12.397 providers that we don't know what's wrong.

NOTE Confidence: 0.7928155

01:31:12.400 --> 01:31:14.200 We're not sure what this is.

NOTE Confidence: 0.7928155

01:31:14.200 --> 01:31:15.957 We don't know where to send you.

NOTE Confidence: 0.7928155

01:31:15.960 --> 01:31:17.745 So we've developed some interdisciplinary

NOTE Confidence: 0.7928155

01:31:17.745 --> 01:31:20.439 programs to to treat this very population.

NOTE Confidence: 0.7928155

01:31:20.440 --> 01:31:22.720 The 1st is called our GIR Fib program.

NOTE Confidence: 0.7928155

01:31:22.720 --> 01:31:24.897 It's meant to treat kids who have these

NOTE Confidence: 0.7928155

01:31:24.897 --> 01:31:26.719 kinds of gut brain access problems,

NOTE Confidence: 0.7928155

01:31:26.720 --> 01:31:30.176 who through those those GI issues

NOTE Confidence: 0.7928155

01:31:30.176 --> 01:31:32.480 develop significant feeding challenges.

NOTE Confidence: 0.7928155

01:31:32.480 --> 01:31:35.478 So we we help get them on their feet and

NOTE Confidence: 0.7928155

01:31:35.478 --> 01:31:37.960 and get them back to their life in many ways.

NOTE Confidence: 0.7928155

01:31:37.960 --> 01:31:40.516 So that that clinic is staffed

NOTE Confidence: 0.7928155

01:31:40.516 --> 01:31:42.450 by GI attending AGI psychologist

NOTE Confidence: 0.7928155

01:31:42.450 --> 01:31:44.400 and AGI dietitian and we treat,

NOTE Confidence: 0.7928155

01:31:44.400 --> 01:31:46.506 we treat the patients together in

NOTE Confidence: 0.7928155

01:31:46.506 --> 01:31:48.469 the room together and then hopefully

NOTE Confidence: 0.7928155

01:31:48.469 --> 01:31:51.032 kind of get them back to to eating

NOTE Confidence: 0.7928155

01:31:51.032 --> 01:31:53.240 adaptively and get back to life.

NOTE Confidence: 0.7928155

01:31:53.240 --> 01:31:55.440 The second clinic is that I wanted to

NOTE Confidence: 0.7928155

01:31:55.440 --> 01:31:57.756 highlight is called our pelvic pain program.

NOTE Confidence: 0.7928155

01:31:57.760 --> 01:31:59.720 And this is an interdisciplinary

NOTE Confidence: 0.7928155

01:31:59.720 --> 01:32:02.800 program across 3 disciplines actually

NOTE Confidence: 0.7928155

01:32:02.800 --> 01:32:03.964 with GI psychology,

NOTE Confidence: 0.7928155

01:32:03.964 --> 01:32:05.904 our GI attending and adolescent

NOTE Confidence: 0.7928155

01:32:05.904 --> 01:32:07.456 gynecology because we we noticed

NOTE Confidence: 0.7928155

01:32:07.456 --> 01:32:09.461 that we were sharing a lot of the

NOTE Confidence: 0.7928155

01:32:09.461 --> 01:32:11.123 same patients and they they all

NOTE Confidence: 0.7928155

01:32:11.123 --> 01:32:13.044 didn't seem to have a very clear

NOTE Confidence: 0.7928155

01:32:13.044 --> 01:32:14.399 home in the medical system.

NOTE Confidence: 0.7928155

01:32:14.400 --> 01:32:16.821 So we're this is the first of its kind

NOTE Confidence: 0.7928155

01:32:16.821 --> 01:32:19.990 in the nation in terms of this kind of

NOTE Confidence: 0.7928155

01:32:19.990 --> 01:32:22.279 collaboration with with these disciplines.

NOTE Confidence: 0.7928155

01:32:22.280 --> 01:32:23.816 Our hope is that through the

NOTE Confidence: 0.7928155

01:32:23.816 --> 01:32:25.431 clinical work we can not only

NOTE Confidence: 0.7928155

01:32:25.431 --> 01:32:27.039 help the patients that we treat,

NOTE Confidence: 0.7928155

01:32:27.040 --> 01:32:29.638 but but also develop a new

NOTE Confidence: 0.7928155

01:32:29.640 --> 01:32:30.765 classification diagnostically for

NOTE Confidence: 0.7928155

01:32:30.765 --> 01:32:33.390 for kids who have these types of

NOTE Confidence: 0.4581893

01:32:33.454 --> 01:32:37.792 conditions. It's a hope that we will be able

NOTE Confidence: 0.4581893

01:32:37.792 --> 01:32:40.716 to help more outside of the walls of Yale.

NOTE Confidence: 0.4581893

01:32:40.720 --> 01:32:42.360 So more to come in the breakout rooms.

NOTE Confidence: 0.4581893

01:32:42.360 --> 01:32:43.914 I'm happy to chat more about that,

NOTE Confidence: 0.4581893

01:32:43.920 --> 01:32:45.901 but I just wanted to express my

NOTE Confidence: 0.4581893

01:32:45.901 --> 01:32:47.541 gratitude to all the associates

NOTE Confidence: 0.4581893

01:32:47.541 --> 01:32:49.090 for your support and gratitude

NOTE Confidence: 0.4581893

01:32:49.090 --> 01:32:50.440 to all of my colleagues here.

NOTE Confidence: 0.4581893

01:32:50.440 --> 01:32:53.158 I feel really lucky to have all of you.

NOTE Confidence: 0.4581893

01:32:53.160 --> 01:32:55.720 So I'll turn it on to over to to Tara,

NOTE Confidence: 0.4581893

01:32:55.720 --> 01:32:56.800 our clinical fellow in

NOTE Confidence: 0.4581893

01:32:56.800 --> 01:32:57.880 the Child Study Center.

NOTE Confidence: 0.8952635

01:32:59.960 --> 01:33:00.479 Thank you so

NOTE Confidence: 0.8952635

01:33:00.480 --> 01:33:03.176 much, Maggie. So good afternoon, everyone.

NOTE Confidence: 0.8952635

01:33:03.176 --> 01:33:05.790 My name is Tara Thompson Felix and I'm

NOTE Confidence: 0.8952635

01:33:05.790 --> 01:33:07.465 a child and adolescent psychiatrist

NOTE Confidence: 0.8952635

01:33:07.465 --> 01:33:10.000 here in the Child Study Center and also

NOTE Confidence: 0.8952635

01:33:10.000 --> 01:33:12.410 a third year PhD student at the Yale

NOTE Confidence: 0.8952635

01:33:12.410 --> 01:33:14.048 Graduate School working with Kieran

NOTE Confidence: 0.8952635

01:33:14.048 --> 01:33:16.316 O'Donnell here at the Child Study Center.

NOTE Confidence: 0.8952635

01:33:16.320 --> 01:33:18.768 So I took a a very non traditional route

NOTE Confidence: 0.8952635

01:33:18.768 --> 01:33:21.471 to combine my clinical and research

NOTE Confidence: 0.8952635

01:33:21.471 --> 01:33:23.359 interests in perinatal psychiatry.

NOTE Confidence: 0.8952635

01:33:23.360 --> 01:33:25.516 But in retrospect I feel like things

NOTE Confidence: 0.8952635

01:33:25.516 --> 01:33:28.040 happen just the way they were supposed to.

NOTE Confidence: 0.8952635

01:33:28.040 --> 01:33:31.280 So I'm also a first year or first

NOTE Confidence: 0.8952635

01:33:31.280 --> 01:33:32.986 generation college student and

NOTE Confidence: 0.8952635

01:33:32.986 --> 01:33:35.440 the first doctor in my family.

NOTE Confidence: 0.8952635

01:33:35.440 --> 01:33:38.400 My parents came to the US in the

NOTE Confidence: 0.8952635

01:33:38.400 --> 01:33:40.805 early 80s from Jamaica seeking a lot

NOTE Confidence: 0.8952635

01:33:40.805 --> 01:33:42.280 of opportunities for our family,

NOTE Confidence: 0.8952635

01:33:42.280 --> 01:33:43.920 like many other families.

NOTE Confidence: 0.8952635

01:33:43.920 --> 01:33:45.560 And very early on,

NOTE Confidence: 0.8952635

01:33:45.560 --> 01:33:48.434 I learned the importance of networking

NOTE Confidence: 0.8952635

01:33:48.434 --> 01:33:50.754 and finding financial opportunities to

NOTE Confidence: 0.8952635

01:33:50.754 --> 01:33:53.078 create the future I wanted for myself.

NOTE Confidence: 0.8952635

01:33:53.080 --> 01:33:55.240 And so I also have a college story,

NOTE Confidence: 0.8952635

01:33:55.240 --> 01:33:57.436 you know, during my senior year.

NOTE Confidence: 0.8952635

01:33:57.440 --> 01:33:58.960 So while I was in college, you know,

NOTE Confidence: 0.8952635

01:33:58.960 --> 01:34:00.788 I worked in the MDPHD department

NOTE Confidence: 0.8952635

01:34:00.788 --> 01:34:02.958 at Rutgers in New Jersey,

NOTE Confidence: 0.8952635

01:34:02.960 --> 01:34:04.717 and I learned about all of the

NOTE Confidence: 0.8952635

01:34:04.717 --> 01:34:06.656 ways that we can integrate clinical

NOTE Confidence: 0.8952635

01:34:06.656 --> 01:34:08.156 care and the research.

NOTE Confidence: 0.8952635

01:34:08.160 --> 01:34:10.800 I also learned about the the gap between,

NOTE Confidence: 0.8952635

01:34:10.800 --> 01:34:11.560 you know,

NOTE Confidence: 0.8952635

01:34:11.560 --> 01:34:12.700 the translational research

NOTE Confidence: 0.8952635

01:34:12.700 --> 01:34:14.600 that we're all interested in.

NOTE Confidence: 0.8952635

01:34:14.600 --> 01:34:17.288 And I just found that very exciting and

NOTE Confidence: 0.8952635

01:34:17.288 --> 01:34:19.880 wanted to explore more opportunities.

NOTE Confidence: 0.8952635

01:34:19.880 --> 01:34:22.440 So when I came back home in Connecticut,

NOTE Confidence: 0.8952635

01:34:22.440 --> 01:34:25.205 I reached out to a world renowned scientist

NOTE Confidence: 0.8952635

01:34:25.205 --> 01:34:27.349 here in the Child Study Center, Dr.

NOTE Confidence: 0.8952635

01:34:27.349 --> 01:34:28.207 Elena Gregoranco,

NOTE Confidence: 0.8952635

01:34:28.207 --> 01:34:30.352 and I volunteered throughout the

NOTE Confidence: 0.8952635

01:34:30.352 --> 01:34:33.340 summer to learn more about genetics,

NOTE Confidence: 0.8952635

01:34:33.340 --> 01:34:36.160 epigenetics and how that relates

NOTE Confidence: 0.8952635

01:34:36.160 --> 01:34:38.000 to child psychiatric disorders.

NOTE Confidence: 0.8952635

01:34:38.000 --> 01:34:39.520 And during my senior year,

NOTE Confidence: 0.8952635

01:34:39.520 --> 01:34:41.823 I was awarded a small travel grant

NOTE Confidence: 0.8952635

01:34:41.823 --> 01:34:44.542 to travel from New Jersey back to

NOTE Confidence: 0.8952635

01:34:44.542 --> 01:34:46.622 Connecticut to complete my research

NOTE Confidence: 0.8952635

01:34:46.622 --> 01:34:48.720 project with Doctor Gregor Enko.

NOTE Confidence: 0.8952635

01:34:48.720 --> 01:34:50.958 And this grant helped me to

NOTE Confidence: 0.8952635

01:34:50.958 --> 01:34:52.077 develop my project.

NOTE Confidence: 0.8952635

01:34:52.080 --> 01:34:54.145 It also helped me to develop important

NOTE Confidence: 0.8952635

01:34:54.145 --> 01:34:56.688 research skills and to meet more

NOTE Confidence: 0.8952635

01:34:56.688 --> 01:34:59.080 mentors here at the Child Study Center.

NOTE Confidence: 0.8952635

01:34:59.080 --> 01:34:59.854 And importantly,

NOTE Confidence: 0.8952635

01:34:59.854 --> 01:35:02.563 it also helped me to secure additional

NOTE Confidence: 0.8952635

01:35:02.563 --> 01:35:04.953 funds to stay at the Child Study

NOTE Confidence: 0.8952635

01:35:04.953 --> 01:35:06.695 Center for an additional two

NOTE Confidence: 0.8952635

01:35:06.695 --> 01:35:08.595 years after I graduated college.

NOTE Confidence: 0.8952635

01:35:08.600 --> 01:35:10.812 And so this was a pivotal experience

NOTE Confidence: 0.8952635

01:35:10.812 --> 01:35:12.716 for me because it encouraged me

NOTE Confidence: 0.8952635

01:35:12.716 --> 01:35:14.795 to think outside of the box and

NOTE Confidence: 0.8952635

01:35:14.864 --> 01:35:16.598 to use the resources I have,

NOTE Confidence: 0.8952635

01:35:16.600 --> 01:35:19.519 no matter how small they might seem.

NOTE Confidence: 0.8952635

01:35:19.520 --> 01:35:21.260 So after my research experience

NOTE Confidence: 0.8952635

01:35:21.260 --> 01:35:23.000 at the Child Study Center,

NOTE Confidence: 0.8952635

01:35:23.000 --> 01:35:25.880 I went to medical school and

NOTE Confidence: 0.8952635

01:35:25.880 --> 01:35:27.800 completed adult residency training,

NOTE Confidence: 0.8952635

01:35:27.800 --> 01:35:30.060 and I developed a strong clinical and

NOTE Confidence: 0.8952635

01:35:30.060 --> 01:35:32.560 research interest in perinatal psychiatry,

NOTE Confidence: 0.8952635

01:35:32.560 --> 01:35:34.380 more specifically wanting to improve

NOTE Confidence: 0.8952635

01:35:34.380 --> 01:35:36.440 maternal health so that we can

NOTE Confidence: 0.8952635

01:35:36.440 --> 01:35:38.160 improve child health outcomes.

NOTE Confidence: 0.8952635

01:35:38.160 --> 01:35:40.820 And my passion for this topic took

NOTE Confidence: 0.8952635

01:35:40.820 --> 01:35:43.609 a whole new meaning when I became

NOTE Confidence: 0.8952635

01:35:43.609 --> 01:35:45.880 a mother myself during residency

NOTE Confidence: 0.8952635

01:35:45.880 --> 01:35:47.188 with two little ones.

NOTE Confidence: 0.8952635

01:35:47.188 --> 01:35:49.565 And I wanted to pursue my fellowship

NOTE Confidence: 0.8952635

01:35:49.565 --> 01:35:52.293 in a program where I knew I would

NOTE Confidence: 0.8952635

01:35:52.293 --> 01:35:54.602 feel supported not only as a

NOTE Confidence: 0.8952635

01:35:54.602 --> 01:35:56.118 scientist or a physician,

NOTE Confidence: 0.8952635

01:35:56.120 --> 01:35:59.040 but also as a mother and to have a community.

NOTE Confidence: 0.8952635

01:35:59.040 --> 01:36:00.918 And so coming back to the

NOTE Confidence: 0.8952635

01:36:00.918 --> 01:36:02.170 old Child Study Center

NOTE Confidence: 0.8828032

01:36:02.241 --> 01:36:04.194 was a very easy choice for me.

NOTE Confidence: 0.8828032

01:36:04.200 --> 01:36:06.156 But at that point, you know,

NOTE Confidence: 0.8828032

01:36:06.160 --> 01:36:09.112 I I knew I wanted to continue my research,

NOTE Confidence: 0.8828032

01:36:09.120 --> 01:36:10.736 but I wasn't sure how I would be

NOTE Confidence: 0.8828032

01:36:10.736 --> 01:36:12.360 able to do it after fellowship,

NOTE Confidence: 0.8828032

01:36:12.360 --> 01:36:14.840 you know, as I also had to think

NOTE Confidence: 0.8828032

01:36:14.840 --> 01:36:17.079 about paying my medical school debt

NOTE Confidence: 0.8828032

01:36:17.079 --> 01:36:19.395 and also having child care costs.

NOTE Confidence: 0.8828032

01:36:19.400 --> 01:36:21.890 And so during my child fellowship, you know,

NOTE Confidence: 0.8828032

01:36:21.890 --> 01:36:24.490 I was very grateful to receive a pilot

NOTE Confidence: 0.8828032

01:36:24.559 --> 01:36:27.199 award supported by our generous donors.

NOTE Confidence: 0.8828032

01:36:27.200 --> 01:36:28.168 And with this award,

NOTE Confidence: 0.8828032

01:36:28.168 --> 01:36:30.286 I was able to delve a little deeper

NOTE Confidence: 0.8828032

01:36:30.286 --> 01:36:32.393 into the research I wanted to do.

NOTE Confidence: 0.8828032

01:36:32.400 --> 01:36:34.398 So I was able to do some clinical work,

NOTE Confidence: 0.8828032

01:36:34.400 --> 01:36:36.479 you know, with moms and their infants,

01:36:36.480 --> 01:36:39.552 but I was also able to do some

01:36:39.552 --> 01:36:41.358 translational work and look at

01:36:41.358 --> 01:36:43.434 more basic science side of things,

01:36:43.440 --> 01:36:44.960 answering the similar question,

01:36:44.960 --> 01:36:47.888 you know, how do in utero

01:36:47.888 --> 01:36:50.598 exposures impact the fetal brain?

01:36:50.600 --> 01:36:52.960 And with the pilot award,

01:36:52.960 --> 01:36:54.540 I was able to investigate

01:36:54.540 --> 01:36:56.120 a new way of signaling,

01:36:56.120 --> 01:36:58.119 which are tiny little cellular packages

01:36:58.119 --> 01:36:59.556 called extracellular vesicles.

01:36:59.556 --> 01:37:03.479 And we learned that the fetal brain secrets,

01:37:03.480 --> 01:37:04.640 these vesicles,

01:37:04.640 --> 01:37:07.393 and they're really important in

01:37:07.393 --> 01:37:09.125 US understanding the communication

01:37:09.125 --> 01:37:11.720 between a mom and their baby.

NOTE Confidence: 0.8828032

01:37:11.720 --> 01:37:14.184 And so with the data I generated

NOTE Confidence: 0.8828032

01:37:14.184 --> 01:37:15.240 from this award,

NOTE Confidence: 0.8828032

01:37:15.240 --> 01:37:18.048 I was also able to attract more funding

NOTE Confidence: 0.8828032

01:37:18.048 --> 01:37:21.026 from the NIH to pay back a substantial

NOTE Confidence: 0.8828032

01:37:21.026 --> 01:37:23.519 amount of my medical school loans,

NOTE Confidence: 0.8828032

01:37:23.520 --> 01:37:25.879 which was a big stressor for me,

NOTE Confidence: 0.8828032

01:37:25.880 --> 01:37:28.796 but a huge relief for me and my family.

NOTE Confidence: 0.8828032

01:37:28.800 --> 01:37:32.174 So I was able to get additional

NOTE Confidence: 0.8828032

01:37:32.174 --> 01:37:34.087 funding and continue to

NOTE Confidence: 0.8828032

01:37:34.087 --> 01:37:35.848 pursue my PhD and think about,

NOTE Confidence: 0.8828032

01:37:35.848 --> 01:37:36.280 you know,

NOTE Confidence: 0.8828032

01:37:36.280 --> 01:37:38.387 in the future other ways that we

NOTE Confidence: 0.8828032

01:37:38.387 --> 01:37:39.936 can do translational work here

NOTE Confidence: 0.8828032

01:37:39.936 --> 01:37:41.396 at the Child Study Center.

NOTE Confidence: 0.8828032

01:37:41.400 --> 01:37:42.800 So in sharing my story,

NOTE Confidence: 0.8828032

01:37:42.800 --> 01:37:45.248 I wanted to highlight how these

NOTE Confidence: 0.8828032

01:37:45.248 --> 01:37:46.880 donations might seem small,

NOTE Confidence: 0.8828032

01:37:46.880 --> 01:37:49.099 but they can have a huge impact

NOTE Confidence: 0.8828032

01:37:49.099 --> 01:37:50.611 for early career investigators

NOTE Confidence: 0.8828032

01:37:50.611 --> 01:37:53.036 like myself and my colleagues.

NOTE Confidence: 0.8828032

01:37:53.040 --> 01:37:54.687 So I want to thank you for your time

NOTE Confidence: 0.8828032

01:37:54.687 --> 01:37:56.436 and for having me on the panel today.

NOTE Confidence: 0.8828032

01:37:56.440 --> 01:37:56.560 Well,

NOTE Confidence: 0.92716974

01:37:57.960 --> 01:37:58.640 thank you so much.

NOTE Confidence: 0.92716974

01:38:00.680 --> 01:38:04.280 We're open now for questions.

NOTE Confidence: 0.92716974

01:38:04.280 --> 01:38:06.394 Any questions for everyone in the audience

NOTE Confidence: 0.82945895

01:38:23.660 --> 01:38:24.300 hands up

NOTE Confidence: 0.82945895

01:38:27.980 --> 01:38:31.725 this will be AI Hope it's a continuation.

NOTE Confidence: 0.82945895

01:38:31.725 --> 01:38:34.815 Actually the question that Tom Israel

NOTE Confidence: 0.82945895

01:38:34.815 --> 01:38:38.140 asked early with the number of children

NOTE Confidence: 0.82945895

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01:38:38.140 --> 01:38:42.188 needing mental health services and

NOTE Confidence: 0.82945895

01:38:42.188 --> 01:38:46.412 there's fewer of us than than of them.

NOTE Confidence: 0.82945895

01:38:46.420 --> 01:38:49.064 Can you think of ways, continued ways

NOTE Confidence: 0.82945895

01:38:49.064 --> 01:38:51.740 that we can better engage and better

NOTE Confidence: 0.45546055

01:38:56.190 --> 01:38:57.250 ensure that we're getting

NOTE Confidence: 0.45546055

01:38:57.250 --> 01:38:58.310 those services out there?

NOTE Confidence: 0.45546055

01:39:00.950 --> 01:39:01.830 Anybody want to start

NOTE Confidence: 0.45546055

01:39:02.910 --> 01:39:04.615 Amy, I I can just say that

NOTE Confidence: 0.45546055

01:39:04.615 --> 01:39:06.160 I know that something that

NOTE Confidence: 0.45546055

01:39:06.230 --> 01:39:08.528 Family Based Recovery does along with

NOTE Confidence: 0.45546055

01:39:08.528 --> 01:39:11.359 other models of the child Study Center

NOTE Confidence: 0.45546055

01:39:11.359 --> 01:39:13.819 and including Icaps is thinking about

NOTE Confidence: 0.45546055

01:39:13.819 --> 01:39:17.394 ways to to bring services to the family.

NOTE Confidence: 0.45546055

01:39:17.400 --> 01:39:20.840 That there can be many barriers to families,

NOTE Confidence: 0.45546055

01:39:20.840 --> 01:39:23.276 families accessing services in the community.

NOTE Confidence: 0.45546055

01:39:23.280 --> 01:39:25.440 And I think in particular where

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NOTE Confidence: 0.45546055

01:39:25.440 --> 01:39:26.880 there's substance use involved,

NOTE Confidence: 0.45546055

01:39:26.880 --> 01:39:29.757 the stigma that's often attached to that

NOTE Confidence: 0.45546055

01:39:29.757 --> 01:39:33.136 can be a barrier to parents accessing

NOTE Confidence: 0.45546055

01:39:33.136 --> 01:39:37.392 treatment treatment or or going to community

NOTE Confidence: 0.45546055

01:39:37.392 --> 01:39:39.437 providers for accessing treatment.

NOTE Confidence: 0.45546055

01:39:39.437 --> 01:39:42.790 And so thinking about home based work

NOTE Confidence: 0.45546055

01:39:42.872 --> 01:39:45.235 and ways to to support that often

NOTE Confidence: 0.45546055

01:39:45.235 --> 01:39:46.885 funding for home based work because

NOTE Confidence: 0.45546055

01:39:46.885 --> 01:39:49.223 some of the services may or may not

NOTE Confidence: 0.45546055

01:39:49.223 --> 01:39:50.678 be available can be challenging.

NOTE Confidence: 0.45546055

01:39:50.680 --> 01:39:54.124 And so I think ways to expand if possible

NOTE Confidence: 0.45546055

01:39:54.124 --> 01:39:56.238 bringing some of those two families is,

NOTE Confidence: 0.45546055

01:39:56.240 --> 01:39:58.072 is one of the things that I feel

NOTE Confidence: 0.45546055

01:39:58.072 --> 01:39:59.519 like it's really important.

NOTE Confidence: 0.88264745

01:40:03.160 --> 01:40:05.078 Yeah, I'll just second that because

NOTE Confidence: 0.88264745

01:40:05.080 --> 01:40:07.159 I think one of the things about.

NOTE Confidence: 0.6303316

01:40:08.760 --> 01:40:10.765 Home based programs is that

NOTE Confidence: 0.6303316

01:40:10.765 --> 01:40:13.923 we have to deal with a lot of

NOTE Confidence: 0.6303316

01:40:13.923 --> 01:40:18.200 politics and it it's really nice

NOTE Confidence: 0.6303316

01:40:19.520 --> 01:40:21.195 when there there's you can

NOTE Confidence: 0.6303316

01:40:21.195 --> 01:40:23.280 kind of make improvements and

NOTE Confidence: 0.6303316

01:40:23.280 --> 01:40:25.496 you can you know you you don't

NOTE Confidence: 0.6303316

01:40:25.496 --> 01:40:28.278 have to deal with so many layers.

NOTE Confidence: 0.6303316

01:40:28.280 --> 01:40:30.264 I think that's really one of the the

NOTE Confidence: 0.6303316

01:40:30.264 --> 01:40:33.239 benefits of, yeah, generous. Tony,

NOTE Confidence: 0.5294555

01:40:36.360 --> 01:40:37.480 any questions from the audience?

NOTE Confidence: 0.5294555

01:40:41.280 --> 01:40:43.945 Maggie, can you see the

NOTE Confidence: 0.5294555

01:40:43.945 --> 01:40:47.731 question GI psychology asking

NOTE Confidence: 0.5294555

01:40:47.731 --> 01:40:49.237 for a little more about that.

NOTE Confidence: 0.5294555

01:40:52.640 --> 01:40:53.557 Do you see it in the chat?

NOTE Confidence: 0.5294555

01:40:53.560 --> 01:40:55.114 Sorry, Yeah, I'm just reading the question.

NOTE Confidence: 0.5294555

01:40:58.920 --> 01:41:01.544 So do the children with the

NOTE Confidence: 0.5294555

01:41:01.544 --> 01:41:02.912 enteric neurobiological conditions

NOTE Confidence: 0.5294555

01:41:02.912 --> 01:41:04.280 have concurrent mucosal?

NOTE Confidence: 0.5294555

01:41:04.280 --> 01:41:06.196 So my quick answer to that is yes.

NOTE Confidence: 0.5294555

01:41:06.196 --> 01:41:08.188 I think our our general approach

NOTE Confidence: 0.5294555

01:41:08.188 --> 01:41:10.284 to the treatment of disorders

NOTE Confidence: 0.5294555

01:41:10.284 --> 01:41:12.399 of gut brain interaction is,

NOTE Confidence: 0.5294555

01:41:12.400 --> 01:41:16.300 is that we we really make it clear

NOTE Confidence: 0.5294555

01:41:16.300 --> 01:41:18.120 to families that it's not an either

NOTE Confidence: 0.5294555

01:41:18.175 --> 01:41:20.215 or it's not either the gut in the

NOTE Confidence: 0.5294555

01:41:20.215 --> 01:41:21.838 entire nervous system or the brain.

NOTE Confidence: 0.5294555

01:41:21.840 --> 01:41:23.992 You know a lot of the families that

NOTE Confidence: 0.5294555

01:41:23.992 --> 01:41:26.479 come to us have received messages like

NOTE Confidence: 0.5294555

01:41:26.480 --> 01:41:28.040 these aren't these symptoms aren't real.

NOTE Confidence: 0.5294555

01:41:28.040 --> 01:41:28.554 These, these,

NOTE Confidence: 0.5294555

01:41:28.554 --> 01:41:30.096 these symptoms are all in in

NOTE Confidence: 0.5294555

01:41:30.096 --> 01:41:31.856 your brain or related to some of

NOTE Confidence: 0.5294555

01:41:31.856 --> 01:41:33.335 the things in the questions this

NOTE Confidence: 0.5294555

01:41:33.335 --> 01:41:35.001 they they might think this is all

NOTE Confidence: 0.5294555

01:41:35.001 --> 01:41:36.468 related to the food we're eating.

NOTE Confidence: 0.5294555

01:41:36.468 --> 01:41:38.759 This is all related to the gut microbiome.

NOTE Confidence: 0.5294555

01:41:38.760 --> 01:41:42.196 And what what we really focus on in

NOTE Confidence: 0.5294555

01:41:42.196 --> 01:41:43.812 every visit with the families we work

NOTE Confidence: 0.5294555

01:41:43.812 --> 01:41:45.513 in is that it's it's not an either or

NOTE Confidence: 0.5294555

01:41:45.561 --> 01:41:47.290 all of these disorders of gut brain

NOTE Confidence: 0.5294555

01:41:47.290 --> 01:41:48.381 interaction are are multifactorial.

NOTE Confidence: 0.5294555

01:41:48.381 --> 01:41:50.768 You know similar to a lot of

NOTE Confidence: 0.5294555

01:41:50.768 --> 01:41:52.244 the complex mental health

NOTE Confidence: 0.5294555

01:41:52.244 --> 01:41:54.434 conditions that that we all treat.

NOTE Confidence: 0.5294555

01:41:54.440 --> 01:41:55.748 I think it probably relates a

NOTE Confidence: 0.5294555

01:41:55.748 --> 01:41:57.363 lot to what with the work that

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NOTE Confidence: 0.5294555

01:41:57.363 --> 01:41:58.518 you do in ICAPS Victoria.

NOTE Confidence: 0.5294555

01:41:58.520 --> 01:42:00.386 So I think that's that's our

NOTE Confidence: 0.5294555

01:42:00.386 --> 01:42:02.118 first really mission in in our

NOTE Confidence: 0.5294555

01:42:02.120 --> 01:42:03.728 our interdisciplinary clinics is

NOTE Confidence: 0.5294555

01:42:03.728 --> 01:42:05.738 is helping families to understand

NOTE Confidence: 0.5294555

01:42:05.738 --> 01:42:07.832 that it's not just one factor that

NOTE Confidence: 0.5294555

01:42:07.832 --> 01:42:09.600 leads to all these conditions.

NOTE Confidence: 0.5294555

01:42:09.600 --> 01:42:10.720 So in terms of how

NOTE Confidence: 0.7971866

01:42:13.160 --> 01:42:15.440 things are interpreted and processed by kids,

NOTE Confidence: 0.7971866

01:42:15.440 --> 01:42:17.845 I think we sometimes surprise kids and

NOTE Confidence: 0.7971866

01:42:17.845 --> 01:42:20.370 and parents with our descriptions of what

NOTE Confidence: 0.7971866

01:42:20.370 --> 01:42:22.356 disorders of gut brain interaction are.

NOTE Confidence: 0.7971866

01:42:22.360 --> 01:42:24.220 Because I think sometimes they have

NOTE Confidence: 0.7971866

01:42:24.220 --> 01:42:25.845 been so stigmatized with previous

NOTE Confidence: 0.7971866

01:42:25.845 --> 01:42:27.801 providers that they come in thinking

NOTE Confidence: 0.7971866

169

01:42:27.801 --> 01:42:29.797 that when they're seeing the GI

NOTE Confidence: 0.7971866

01:42:29.797 --> 01:42:31.565 psychologist that I'm going to give them

NOTE Confidence: 0.7971866

01:42:31.565 --> 01:42:33.080 traditional mental health treatment and

NOTE Confidence: 0.7971866

01:42:33.080 --> 01:42:35.558 and if if we treat your depression,

NOTE Confidence: 0.7971866

01:42:35.560 --> 01:42:37.560 if we treat your anxiety that the GI,

NOTE Confidence: 0.7971866

01:42:37.560 --> 01:42:39.360 the GI problems will go away.

NOTE Confidence: 0.7971866

01:42:39.360 --> 01:42:40.764 And it's not actually not just

NOTE Confidence: 0.7971866

01:42:40.764 --> 01:42:42.475 about that which is kind of shocking

NOTE Confidence: 0.7971866

01:42:42.475 --> 01:42:43.675 for families to to hear.

NOTE Confidence: 0.7971866

01:42:43.680 --> 01:42:46.880 The my role is actually to use cognitive

NOTE Confidence: 0.7971866

01:42:46.880 --> 01:42:49.265 behavioral therapy tools to treat the

NOTE Confidence: 0.7971866

01:42:49.265 --> 01:42:52.390 GI symptoms directly so we can use GI

NOTE Confidence: 0.7971866

01:42:52.390 --> 01:42:53.982 informed cognitive behavioral therapy

NOTE Confidence: 0.7971866

01:42:53.982 --> 01:42:57.038 to turn the volume down on the GI tract.

NOTE Confidence: 0.7971866

01:42:57.040 --> 01:43:01.000 So we we, it's never just one conversation.

NOTE Confidence: 0.7971866

01:43:01.000 --> 01:43:02.092 We, you know,

NOTE Confidence: 0.7971866

01:43:02.092 --> 01:43:03.420 we make sure that we have that kind

NOTE Confidence: 0.7971866

01:43:03.465 --> 01:43:04.278 of conversation every,

NOTE Confidence: 0.7971866

01:43:04.280 --> 01:43:05.336 every clinic visit.

NOTE Confidence: 0.7971866

01:43:05.336 --> 01:43:07.800 So I hope that answered your questions.

NOTE Confidence: 0.5447574

01:43:08.520 --> 01:43:11.384 Maggie, there's a question above Michael

NOTE Confidence: 0.5447574

01:43:11.384 --> 01:43:14.136 Raven wanting to know a little bit more

NOTE Confidence: 0.5447574

01:43:14.136 --> 01:43:16.280 about what this field we see it above.

NOTE Confidence: 0.5447574

01:43:17.400 --> 01:43:18.480 Yes. OK,

NOTE Confidence: 0.84205675

01:43:23.160 --> 01:43:24.040 yes, it is a

NOTE Confidence: 0.84205675

01:43:25.320 --> 01:43:27.771 a a new, a new field. I often get

NOTE Confidence: 0.84205675

01:43:27.771 --> 01:43:29.313 that question of I've never heard

NOTE Confidence: 0.84205675

01:43:29.313 --> 01:43:30.839 those two words used together.

NOTE Confidence: 0.84205675

01:43:33.040 --> 01:43:36.120 It's unique in in the ways that I

NOTE Confidence: 0.84205675

01:43:36.120 --> 01:43:38.771 just described is that I I don't

NOTE Confidence: 0.84205675

01:43:38.771 --> 01:43:40.119 treat traditional mental health

NOTE Confidence: 0.84205675

171

01:43:40.120 --> 01:43:42.052 conditions like I treat GI conditions.

NOTE Confidence: 0.84205675

01:43:42.052 --> 01:43:44.128 Of course we treat depression and

NOTE Confidence: 0.84205675

01:43:44.128 --> 01:43:46.318 anxiety and and trauma along the way,

NOTE Confidence: 0.84205675

01:43:46.320 --> 01:43:48.434 but my job is to actually treat

NOTE Confidence: 0.84205675

01:43:48.434 --> 01:43:50.120 the GI symptoms themselves.

NOTE Confidence: 0.84205675

01:43:50.120 --> 01:43:52.920 And I think the special challenges that

NOTE Confidence: 0.84205675

01:43:52.920 --> 01:43:55.136 come with this kind of work are that

NOTE Confidence: 0.84205675

01:43:55.136 --> 01:43:57.879 we we are immediately hit with stigma.

NOTE Confidence: 0.84205675

01:43:57.880 --> 01:44:02.276 And unfortunately because it's a newer field,

NOTE Confidence: 0.84205675

01:44:02.280 --> 01:44:03.624 really well-intentioned providers

NOTE Confidence: 0.84205675

01:44:03.624 --> 01:44:06.312 that may see these families before

NOTE Confidence: 0.84205675

01:44:06.312 --> 01:44:08.394 may unintentionally send the wrong

NOTE Confidence: 0.84205675

01:44:08.394 --> 01:44:11.158 kind of messaging to to families about

NOTE Confidence: 0.84205675

01:44:11.158 --> 01:44:13.240 what the what the conditions are.

NOTE Confidence: 0.84205675

01:44:13.240 --> 01:44:15.264 So we sometimes have to do a lot

NOTE Confidence: 0.84205675

01:44:15.264 --> 01:44:17.080 of relationship building and kind

NOTE Confidence: 0.84205675

01:44:17.080 --> 01:44:19.947 of undoing of some of the messages

NOTE Confidence: 0.84205675

01:44:19.947 --> 01:44:22.640 that that that have been received.

NOTE Confidence: 0.84205675

01:44:22.640 --> 01:44:24.383 But I I see those challenges as

NOTE Confidence: 0.84205675

01:44:24.383 --> 01:44:25.800 the exciting part of the work.

NOTE Confidence: 0.84205675

01:44:25.800 --> 01:44:27.536 I think it was what really fascinated

NOTE Confidence: 0.84205675

01:44:27.536 --> 01:44:29.827 me by it when I was finishing my

NOTE Confidence: 0.84205675

01:44:29.827 --> 01:44:31.766 residency because the the field is

NOTE Confidence: 0.84205675

01:44:31.766 --> 01:44:34.360 constantly changing in really cool ways.

NOTE Confidence: 0.84205675

01:44:34.360 --> 01:44:36.154 We're learning more about the the

NOTE Confidence: 0.84205675

01:44:36.154 --> 01:44:37.688 gut microbiome and we're learning

NOTE Confidence: 0.84205675

01:44:37.688 --> 01:44:39.362 more about the kinds of therapies

NOTE Confidence: 0.84205675

01:44:39.362 --> 01:44:41.436 that we can do to treat these kids.

NOTE Confidence: 0.84205675

01:44:41.440 --> 01:44:44.400 So I feel really lucky to be a part of this,

NOTE Confidence: 0.84205675

01:44:44.400 --> 01:44:47.374 this small and growing community and

NOTE Confidence: 0.84205675

01:44:47.374 --> 01:44:49.086 I feel really grateful to be able to

NOTE Confidence: 0.84205675

01:44:49.086 --> 01:44:50.899 be appreciated for that here at Yale

NOTE Confidence: 0.84205675

01:44:50.899 --> 01:44:53.000 because it is such a unique specialty.

NOTE Confidence: 0.7314851

01:44:55.680 --> 01:44:57.720 Any other questions from the audience?

NOTE Confidence: 0.7314851

01:45:00.960 --> 01:45:01.440 Yes,

NOTE Confidence: 0.7314851

01:45:03.240 --> 01:45:03.798 it's a little

NOTE Confidence: 0.7314851

01:45:03.800 --> 01:45:05.914 off topic, but when I heard ICAPS,

NOTE Confidence: 0.7314851

01:45:05.920 --> 01:45:09.157 it reminded me of your close working

NOTE Confidence: 0.7314851

01:45:09.157 --> 01:45:11.311 relationship in the past anyway with

NOTE Confidence: 0.7314851

01:45:11.311 --> 01:45:13.560 the New Haven Police Department and I

NOTE Confidence: 0.7314851

01:45:13.560 --> 01:45:15.480 didn't know where that was currently.

NOTE Confidence: 0.41473013

01:45:18.040 --> 01:45:18.718 I think that's

NOTE Confidence: 0.41473013

01:45:19.960 --> 01:45:22.920 Kerry's program, correct? Do you want to

NOTE Confidence: 0.41473013

01:45:22.920 --> 01:45:23.598 take that one?

NOTE Confidence: 0.41473013

01:45:24.720 --> 01:45:26.862 And I'm so sorry. Could you repeat

NOTE Confidence: 0.41473013

01:45:26.862 --> 01:45:28.240 the question? I heard the police,

NOTE Confidence: 0.41473013

01:45:28.680 --> 01:45:31.002 the state of the relationship with

NOTE Confidence: 0.41473013

01:45:31.002 --> 01:45:33.400 the New Haven Police Department,

NOTE Confidence: 0.41473013

01:45:33.400 --> 01:45:34.560 working relationship.

NOTE Confidence: 0.3791924

01:45:35.200 --> 01:45:37.438 No, I'm speaking for my team.

NOTE Confidence: 0.3791924

01:45:37.440 --> 01:45:38.916 I'm not sure if any of them are on.

NOTE Confidence: 0.3791924

01:45:38.920 --> 01:45:40.500 I know Kristen Hamm was

NOTE Confidence: 0.3791924

01:45:40.500 --> 01:45:42.080 on at a certain point.

NOTE Confidence: 0.3791924

01:45:42.080 --> 01:45:43.320 Yes, we have an ongoing,

NOTE Confidence: 0.3791924

01:45:43.320 --> 01:45:45.476 I think it's almost a 40 year

NOTE Confidence: 0.3791924

01:45:45.476 --> 01:45:47.356 relationship with the New Haven

NOTE Confidence: 0.3791924

01:45:47.356 --> 01:45:49.148 Police Department where we

NOTE Confidence: 0.3791924

01:45:49.148 --> 01:45:50.624 collaboratively cross train

NOTE Confidence: 0.3791924

01:45:50.624 --> 01:45:53.696 each other and really work on

NOTE Confidence: 0.3791924

01:45:53.696 --> 01:45:56.400 improving trauma informed policing,

NOTE Confidence: 0.3791924

01:45:56.400 --> 01:45:58.782 going out together on ride alongs

NOTE Confidence: 0.3791924

01:45:58.782 --> 01:46:01.174 and responding and and going to

NOTE Confidence: 0.3791924

01:46:01.174 --> 01:46:03.044 the homes and engaging families

NOTE Confidence: 0.3791924

01:46:03.044 --> 01:46:05.064 where children have been impacted

NOTE Confidence: 0.3791924

01:46:05.064 --> 01:46:06.680 by recent traumatic events.

NOTE Confidence: 0.3791924

01:46:06.680 --> 01:46:08.584 And that is one thing that our

NOTE Confidence: 0.3791924

01:46:08.584 --> 01:46:10.410 program is doing that has been just

NOTE Confidence: 0.3791924

01:46:10.410 --> 01:46:12.128 so key in terms of community engagement.

NOTE Confidence: 0.3791924

01:46:12.128 --> 01:46:12.920 I would say

NOTE Confidence: 0.7245493

01:46:14.320 --> 01:46:15.760 it's over 20 years ago,

NOTE Confidence: 0.7245493

01:46:15.760 --> 01:46:18.868 but my daughter was on a Harris

NOTE Confidence: 0.7245493

01:46:18.868 --> 01:46:21.384 Fellowship and was on a ride

NOTE Confidence: 0.7245493

01:46:21.384 --> 01:46:23.508 along with somewhat late at night

NOTE Confidence: 0.7245493

01:46:23.508 --> 01:46:25.880 and she called my wife and said,

NOTE Confidence: 0.7245493

01:46:25.880 --> 01:46:27.473 I don't know if I should tell you this,

NOTE Confidence: 0.7245493

01:46:27.480 --> 01:46:29.545 but I forgot my bulletproof

NOTE Confidence: 0.7245493

01:46:29.545 --> 01:46:31.040 vest and my wife said you

NOTE Confidence: 0.7245493

01:46:31.040 --> 01:46:32.120 shouldn't be telling me this.

NOTE Confidence: 0.5802228

01:46:35.040 --> 01:46:36.840 Unfortunately, she is OK

NOTE Confidence: 0.5802228

01:46:37.640 --> 01:46:41.839 yes. And it was that wonderful

NOTE Confidence: 0.5802228

01:46:41.840 --> 01:46:45.245 clip of a police officer whose

NOTE Confidence: 0.5802228

01:46:45.245 --> 01:46:47.435 life was saved because of his

NOTE Confidence: 0.5802228

01:46:47.435 --> 01:46:49.240 relationship with the community.

NOTE Confidence: 0.5802228

01:46:49.240 --> 01:46:51.320 And here's his big,

NOTE Confidence: 0.5802228

01:46:51.320 --> 01:46:54.029 tough old detective pulling his eyes

NOTE Confidence: 0.5802228

01:46:54.029 --> 01:46:56.327 out because of the relationship that

NOTE Confidence: 0.5802228

01:46:56.327 --> 01:46:58.634 had been established between the

NOTE Confidence: 0.5802228

01:46:58.634 --> 01:47:00.038 Child Study Center in New Haven.

NOTE Confidence: 0.5802228

01:47:00.040 --> 01:47:00.600 Please. Yeah.

NOTE Confidence: 0.32918674

01:47:02.560 --> 01:47:03.360 Thank you, Tom is

NOTE Confidence: 0.32918674

01:47:04.880 --> 01:47:05.996 the shout out to my team,

NOTE Confidence: 0.32918674

01:47:06.000 --> 01:47:07.480 who does that amazing work.

NOTE Confidence: 0.32918674

01:47:08.640 --> 01:47:09.765 Thank you, Karen.

NOTE Confidence: 0.32918674

01:47:09.765 --> 01:47:11.640 So thanks to our panelists.

NOTE Confidence: 0.32918674

01:47:11.640 --> 01:47:14.440 And we'll move to our final panel.

NOTE Confidence: 0.32918674

01:47:14.440 --> 01:47:18.556 We move back to our research colleagues.

NOTE Confidence: 0.32918674

01:47:18.560 --> 01:47:20.180 So our first speaker will

NOTE Confidence: 0.32918674

01:47:20.180 --> 01:47:21.476 be Doctor Flora Vacarino,

NOTE Confidence: 0.32918674

01:47:21.480 --> 01:47:23.944 who is the Harris Professor and Director

NOTE Confidence: 0.32918674

01:47:23.944 --> 01:47:26.253 of the Program for Neurodevelopment

NOTE Confidence: 0.32918674

01:47:26.253 --> 01:47:29.300 and Regeneration as well as Laboratory

NOTE Confidence: 0.32918674

01:47:29.300 --> 01:47:31.160 of Development on Neurobiology.

NOTE Confidence: 0.32918674

01:47:31.160 --> 01:47:33.320 Dr. Jamie Mcpartland will be next.

NOTE Confidence: 0.32918674

01:47:33.320 --> 01:47:35.900 Also Harris Professor and Director of

NOTE Confidence: 0.32918674

01:47:35.900 --> 01:47:37.620 the Yale Developmental Disabilities

NOTE Confidence: 0.32918674

01:47:37.686 --> 01:47:40.385 Clinic and the Yale Center Co Director in

NOTE Confidence: 0.32918674

01:47:40.385 --> 01:47:43.198 the Yale Center for Brain and Mind Health.

NOTE Confidence: 0.32918674

01:47:43.200 --> 01:47:44.280 Doctor Ellie Leibowitz,

NOTE Confidence: 0.32918674

01:47:44.280 --> 01:47:46.440 an Associate Professor and Co Director

NOTE Confidence: 0.32918674

01:47:46.440 --> 01:47:48.605 of the Anxiety and Mood Disorders

NOTE Confidence: 0.32918674

01:47:48.605 --> 01:47:50.704 Program and Doctor Emily Olson,

NOTE Confidence: 0.32918674

01:47:50.704 --> 01:47:53.320 an assistant professor in the Center.

NOTE Confidence: 0.32918674

01:47:53.320 --> 01:47:55.320 So, Flora, may I turn to you first?

NOTE Confidence: 0.7545307

01:47:57.480 --> 01:47:58.568 Good afternoon.

NOTE Confidence: 0.7545307

01:47:58.568 --> 01:48:02.920 It's truly an honor to be speaking with

NOTE Confidence: 0.7545307

01:48:03.023 --> 01:48:06.638 you as I've done sometimes in the past.

NOTE Confidence: 0.7545307

01:48:06.640 --> 01:48:10.195 So I'd like to start with a personal story.

NOTE Confidence: 0.7545307

01:48:10.200 --> 01:48:12.750 I'm a physician trained in neurology

NOTE Confidence: 0.7545307

01:48:12.750 --> 01:48:15.826 in Italy and in psychiatry here,

NOTE Confidence: 0.7545307

01:48:15.826 --> 01:48:19.800 actually here at Yale that early on

NOTE Confidence: 0.7545307

01:48:19.800 --> 01:48:23.175 entered the field of neurobiology

NOTE Confidence: 0.7545307

01:48:23.175 --> 01:48:25.691 or developmental biology because

NOTE Confidence: 0.7545307

01:48:25.691 --> 01:48:28.637 I really wanted to help patients.

NOTE Confidence: 0.7545307

01:48:28.640 --> 01:48:32.576 And I was aware how little we knew

NOTE Confidence: 0.7545307

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01:48:32.576 --> 01:48:34.799 about brain, how brain develops,

NOTE Confidence: 0.7545307

01:48:34.799 --> 01:48:36.038 how brain functions,

NOTE Confidence: 0.7545307

01:48:36.040 --> 01:48:39.400 how the different portion of this incredible

NOTE Confidence: 0.7545307

01:48:39.400 --> 01:48:43.840 machine get put together very early on.

NOTE Confidence: 0.7545307

01:48:43.840 --> 01:48:44.432 And indeed,

NOTE Confidence: 0.7545307

01:48:44.432 --> 01:48:46.800 I did learn that this happens sometimes very,

NOTE Confidence: 0.7545307

01:48:46.800 --> 01:48:47.660 very early.

NOTE Confidence: 0.7545307

01:48:47.660 --> 01:48:50.240 Some of the fundamental decision that

NOTE Confidence: 0.7545307

01:48:50.240 --> 01:48:53.676 govern how many cells we have and

NOTE Confidence: 0.7545307

01:48:53.676 --> 01:48:55.608 what kind of neurons would grow and

NOTE Confidence: 0.7545307

01:48:55.608 --> 01:48:58.128 how do we respond to things like the

NOTE Confidence: 0.7545307

01:48:58.128 --> 01:48:59.865 environment and all the challenges

NOTE Confidence: 0.7545307

01:48:59.865 --> 01:49:03.120 and injuries that we have in life.

NOTE Confidence: 0.7545307

01:49:03.120 --> 01:49:08.968 So, So I I was eager to answer these

NOTE Confidence: 0.7545307

01:49:08.968 --> 01:49:11.492 questions and when I started working,

NOTE Confidence: 0.7545307

01:49:11.492 --> 01:49:14.759 I was a young faculty member in the 90s.

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NOTE Confidence: 0.7545307

01:49:14.760 --> 01:49:18.066 At that time, you know,

NOTE Confidence: 0.7545307

01:49:18.066 --> 01:49:19.464 it has been very difficult to

NOTE Confidence: 0.7545307

01:49:19.464 --> 01:49:20.559 study the human brain.

NOTE Confidence: 0.7545307

01:49:20.560 --> 01:49:21.840 So what I was doing,

NOTE Confidence: 0.7545307

01:49:21.840 --> 01:49:24.715 I was mostly dealing with mice and

NOTE Confidence: 0.7545307

01:49:24.715 --> 01:49:26.920 I was doing a lot of genetics,

NOTE Confidence: 0.7545307

01:49:26.920 --> 01:49:29.220 doing working on the genetics

NOTE Confidence: 0.7545307

01:49:29.220 --> 01:49:30.600 of mammalian development,

NOTE Confidence: 0.7545307

01:49:30.600 --> 01:49:33.080 using mouse as a model.

NOTE Confidence: 0.7545307

01:49:33.080 --> 01:49:35.076 And that's been great,

NOTE Confidence: 0.7545307

01:49:35.076 --> 01:49:37.571 but it was deeply unsatisfactory

NOTE Confidence: 0.7545307

01:49:37.571 --> 01:49:40.049 because of course we all know

NOTE Confidence: 0.7545307

01:49:40.049 --> 01:49:42.680 how different is the brain of a

NOTE Confidence: 0.7545307

01:49:42.680 --> 01:49:44.955 human from the brain of a mouse.

NOTE Confidence: 0.7545307

01:49:44.960 --> 01:49:45.800 As a matter of fact,

NOTE Confidence: 0.7545307

01:49:45.800 --> 01:49:47.504 from the brain brain of almost

NOTE Confidence: 0.7545307

01:49:47.504 --> 01:49:48.356 any other animal,

NOTE Confidence: 0.7545307

01:49:48.360 --> 01:49:50.040 except perhaps some primates

NOTE Confidence: 0.7545307

01:49:50.040 --> 01:49:51.480 that are more similar to us.

NOTE Confidence: 0.7545307

01:49:51.480 --> 01:49:52.956 We have so many more cells.

NOTE Confidence: 0.7545307

01:49:52.960 --> 01:49:54.200 It's so much more complex.

NOTE Confidence: 0.7545307

01:49:54.200 --> 01:49:55.168 It's incredible.

NOTE Confidence: 0.7545307

01:49:55.168 --> 01:49:58.556 And and there's been no model so

NOTE Confidence: 0.7545307

01:49:58.556 --> 01:50:02.920 far to really study this except

NOTE Confidence: 0.7545307

01:50:02.920 --> 01:50:08.146 about let me share my screen.

NOTE Confidence: 0.7545307

01:50:08.146 --> 01:50:11.158 In 2007,

NOTE Confidence: 0.7545307

01:50:11.160 --> 01:50:15.030 about 15 years into my working

NOTE Confidence: 0.7545307

01:50:15.030 --> 01:50:18.000 mouse development,

NOTE Confidence: 0.7545307

01:50:18.000 --> 01:50:20.284 somebody called Shinya Yamanaka

NOTE Confidence: 0.7545307

01:50:20.284 --> 01:50:22.568 in Japan discovered something

NOTE Confidence: 0.7545307

01:50:22.568 --> 01:50:25.200 incredible that you can take a human

NOTE Confidence: 0.7545307

01:50:25.200 --> 01:50:27.568 cell and it can be any cell and

NOTE Confidence: 0.7545307

01:50:27.568 --> 01:50:29.523 develop that into a pluripotent cell

NOTE Confidence: 0.7545307

01:50:29.523 --> 01:50:32.159 which is a cell that can give rise

NOTE Confidence: 0.7545307

01:50:32.159 --> 01:50:34.357 to almost any cells in the body.

NOTE Confidence: 0.7545307

01:50:34.360 --> 01:50:36.215 And so you can take these cells

NOTE Confidence: 0.7545307

01:50:36.215 --> 01:50:37.519 and they're basically in vitro.

NOTE Confidence: 0.7545307

01:50:37.520 --> 01:50:39.700 They become immortal and then

NOTE Confidence: 0.7545307

01:50:39.700 --> 01:50:42.934 you can take them back and sorry

NOTE Confidence: 0.7545307

01:50:42.934 --> 01:50:45.569 and develop them into something

NOTE Confidence: 0.7545307

01:50:45.569 --> 01:50:48.400 that's similar to a mini brain.

NOTE Confidence: 0.7545307

01:50:48.400 --> 01:50:50.944 So you can did give them

NOTE Confidence: 0.7545307

01:50:50.944 --> 01:50:52.640 instructions that tells them,

NOTE Confidence: 0.7545307

01:50:52.640 --> 01:50:54.278 OK, now you become a brain.

NOTE Confidence: 0.7545307

01:50:54.280 --> 01:50:56.080 We call this brain organoids.

NOTE Confidence: 0.7545307

01:50:56.080 --> 01:50:59.780 But basically they recapitulates what

NOTE Confidence: 0.7545307

01:50:59.780 --> 01:51:03.332 normal cells do during development to

NOTE Confidence: 0.7545307

01:51:03.332 --> 01:51:05.996 generate from a pretty potent cell,

NOTE Confidence: 0.7545307

01:51:06.000 --> 01:51:06.864 a neuron,

NOTE Confidence: 0.7545307

01:51:06.864 --> 01:51:09.024 a particular kind of neurons

NOTE Confidence: 0.7545307

01:51:09.024 --> 01:51:11.960 of a specific brain region.

NOTE Confidence: 0.7545307

01:51:11.960 --> 01:51:15.159 So this was kind of incredible because

NOTE Confidence: 0.7545307

01:51:15.160 --> 01:51:18.338 this says when they can be brought

NOTE Confidence: 0.7545307

01:51:18.338 --> 01:51:20.940 back to recapitulate brain development,

NOTE Confidence: 0.7545307

01:51:20.940 --> 01:51:23.558 they do so in a personal way.

NOTE Confidence: 0.7545307

01:51:23.560 --> 01:51:25.735 They maintain the personal genetic

NOTE Confidence: 0.7545307

01:51:25.735 --> 01:51:27.475 background of that person.

NOTE Confidence: 0.7545307

01:51:27.480 --> 01:51:29.982 And so that immediately I understood

NOTE Confidence: 0.7545307

01:51:29.982 --> 01:51:32.872 that that gave us the occasion to

NOTE Confidence: 0.7545307

01:51:32.872 --> 01:51:35.320 really study brain development in a

NOTE Confidence: 0.7545307

01:51:35.403 --> 01:51:39.120 particular person retrospectively.

NOTE Confidence: 0.7545307

01:51:39.120 --> 01:51:41.433 So I was very eager to enter this field,

NOTE Confidence: 0.3903733

01:51:41.440 --> 01:51:45.782 but I had all these mice and and I

NOTE Confidence: 0.3903733

01:51:45.782 --> 01:51:49.079 really didn't know how to embrace it.

NOTE Confidence: 0.3903733

01:51:49.080 --> 01:51:51.216 And so at that time there was a

NOTE Confidence: 0.3903733

01:51:51.216 --> 01:51:53.096 family of donors, the Aronstein

NOTE Confidence: 0.3903733

01:51:53.096 --> 01:51:55.778 family who really, really helped us,

NOTE Confidence: 0.3903733

01:51:55.778 --> 01:51:59.928 me in particular to recruit somebody new,

NOTE Confidence: 0.3903733

01:51:59.928 --> 01:52:03.900 change my, my lab gradually into

NOTE Confidence: 0.3903733

01:52:03.900 --> 01:52:07.920 developing this type of research.

NOTE Confidence: 0.3903733

01:52:07.920 --> 01:52:09.172 So over the years,

NOTE Confidence: 0.3903733

01:52:09.172 --> 01:52:11.002 we in collaboration with many

NOTE Confidence: 0.3903733

01:52:11.002 --> 01:52:13.520 clinician at the Child Studies Center,

NOTE Confidence: 0.3903733

01:52:13.520 --> 01:52:15.212 the some of whom you already

NOTE Confidence: 0.3903733

01:52:15.212 --> 01:52:16.560 heard of Doctor Chavaska Dr.

NOTE Confidence: 0.3903733

01:52:16.560 --> 01:52:20.196 Mcpartland who will speak after me,

NOTE Confidence: 0.3903733

01:52:20.200 --> 01:52:23.068 We recruited patients and we developed

NOTE Confidence: 0.3903733

01:52:23.068 --> 01:52:26.579 these lines and now we're at the point

NOTE Confidence: 0.3903733

01:52:26.579 --> 01:52:29.365 that 10 years later we have about

NOTE Confidence: 0.3903733

01:52:29.365 --> 01:52:32.250 1000 lines from over 150 individual

NOTE Confidence: 0.3903733

01:52:32.250 --> 01:52:34.590 from many developmental disorders

NOTE Confidence: 0.3903733

01:52:34.590 --> 01:52:37.839 particularly autism into that syndrome.

NOTE Confidence: 0.3903733

01:52:37.840 --> 01:52:43.605 And So what we do and so this was thinking

NOTE Confidence: 0.3903733

01:52:43.605 --> 01:52:47.475 really a particular set of donors,

NOTE Confidence: 0.3903733

01:52:47.480 --> 01:52:49.495 this family that really helped us

NOTE Confidence: 0.3903733

01:52:49.495 --> 01:52:53.149 in a in a time where pretty much we

NOTE Confidence: 0.3903733

01:52:53.149 --> 01:52:56.368 didn't have any other resource and just

NOTE Confidence: 0.3903733

01:52:56.368 --> 01:53:00.080 give you an example of what we do.

NOTE Confidence: 0.3903733

01:53:00.080 --> 01:53:03.000 So right now we recruit patients.

NOTE Confidence: 0.3903733

01:53:03.000 --> 01:53:04.760 We have these lines.

NOTE Confidence: 0.3903733

01:53:04.760 --> 01:53:07.063 And then here is a study where

NOTE Confidence: 0.3903733

01:53:07.063 --> 01:53:08.838 we compared families of patients

NOTE Confidence: 0.3903733

01:53:08.838 --> 01:53:11.004 with autism and we compared the

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01:53:11.004 --> 01:53:13.279 program with autism with the father.

01:53:13.280 --> 01:53:15.877 In this model of invitro brain development,

01:53:15.880 --> 01:53:17.800 we just published this paper.

01:53:17.800 --> 01:53:21.358 We demonstrated that children with autism,

01:53:21.360 --> 01:53:25.080 when they are modeled this way,

01:53:25.080 --> 01:53:27.400 actually develop a slight imbalance

01:53:27.400 --> 01:53:29.720 between excitatory and inhibitory neurons.

01:53:29.720 --> 01:53:31.720 But this imbalance remarkably is

01:53:31.720 --> 01:53:33.320 different in every individual.

01:53:33.320 --> 01:53:35.318 So we're not all the same.

01:53:35.320 --> 01:53:37.720 Patients are not all the same.

01:53:37.720 --> 01:53:39.880 People that are so-called have typical

01:53:39.880 --> 01:53:41.920 trajectory are not all the same.

01:53:41.920 --> 01:53:42.979 We do this,

01:53:42.979 --> 01:53:44.744 the brain develops in slightly

01:53:44.744 --> 01:53:46.160 different way in each individual.

NOTE Confidence: 0.3903733

01:53:46.160 --> 01:53:49.128 This is a remarkably powerful notion

NOTE Confidence: 0.3903733

01:53:49.128 --> 01:53:52.800 that we're learning using this modeling.

NOTE Confidence: 0.3903733

01:53:52.800 --> 01:53:54.120 And this is just an example.

NOTE Confidence: 0.3903733

01:53:54.120 --> 01:53:55.998 We do a lot of genomics.

NOTE Confidence: 0.3903733

01:53:56.000 --> 01:53:59.035 We analyze every single cells.

NOTE Confidence: 0.3903733

01:53:59.035 --> 01:54:00.760 This is a typical organoid,

NOTE Confidence: 0.3903733

01:54:00.760 --> 01:54:02.120 each dot is a cell.

NOTE Confidence: 0.3903733

01:54:02.120 --> 01:54:04.335 We characterize them in different

NOTE Confidence: 0.3903733

01:54:04.335 --> 01:54:07.249 type of neurons or real cells and

NOTE Confidence: 0.3903733

01:54:07.249 --> 01:54:09.840 we and we reach sets and conclusion.

NOTE Confidence: 0.3903733

01:54:09.840 --> 01:54:12.395 We can also look at their electrical

NOTE Confidence: 0.3903733

01:54:12.395 --> 01:54:12.760 activity.

NOTE Confidence: 0.3903733

01:54:12.760 --> 01:54:14.794 You see here these neurons are

NOTE Confidence: 0.3903733

01:54:14.794 --> 01:54:17.650 firing in a dish and we can study

NOTE Confidence: 0.3903733

01:54:17.734 --> 01:54:19.719 the rate of their firing,

NOTE Confidence: 0.3903733

01:54:19.720 --> 01:54:22.120 how fast they fire, do they fire less,

NOTE Confidence: 0.3903733

01:54:22.120 --> 01:54:24.440 do they fire more?

NOTE Confidence: 0.3903733

01:54:24.440 --> 01:54:26.506 So where are we going with this?

NOTE Confidence: 0.3903733

01:54:26.506 --> 01:54:29.934 So the the basic notion I want to

NOTE Confidence: 0.3903733

01:54:29.934 --> 01:54:33.192 impress in you is that studying the

NOTE Confidence: 0.3903733

01:54:33.192 --> 01:54:35.700 individual and this is gives that the

NOTE Confidence: 0.3903733

01:54:35.700 --> 01:54:37.760 possibility of studying the individual,

NOTE Confidence: 0.3903733

01:54:37.760 --> 01:54:40.080 the actual biology of that individual,

NOTE Confidence: 0.3903733

01:54:40.080 --> 01:54:41.892 the actual biology of brain

NOTE Confidence: 0.3903733

01:54:41.892 --> 01:54:43.386 development of that individual.

NOTE Confidence: 0.3903733

01:54:43.386 --> 01:54:45.599 Such a powerful notion.

NOTE Confidence: 0.3903733

01:54:45.599 --> 01:54:49.280 And they're telling US1 size doesn't fit all.

NOTE Confidence: 0.3903733

01:54:49.280 --> 01:54:50.394 We're all different.

NOTE Confidence: 0.3903733

01:54:50.394 --> 01:54:53.033 And maybe there are some extreme trajectories

NOTE Confidence: 0.3903733

01:54:53.033 --> 01:54:55.278 that are more different than others.

NOTE Confidence: 0.3903733

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01:54:55.280 --> 01:54:57.436 And then they lead to some disease.

NOTE Confidence: 0.3903733

01:54:57.440 --> 01:54:58.944 But we're all different.

NOTE Confidence: 0.3903733

01:54:58.944 --> 01:55:01.200 Where are we going with this?

NOTE Confidence: 0.3903733

01:55:01.200 --> 01:55:03.559 We want to study autism in female.

NOTE Confidence: 0.3903733

01:55:03.560 --> 01:55:04.334 We've shown that.

NOTE Confidence: 0.3903733

01:55:04.334 --> 01:55:05.882 I've shown that in males we

NOTE Confidence: 0.3903733

01:55:05.882 --> 01:55:07.498 have these imbalances between

NOTE Confidence: 0.3903733

01:55:07.498 --> 01:55:09.238 excitatory and inhibitory neurons.

NOTE Confidence: 0.3903733

01:55:09.240 --> 01:55:10.480 This could be implication.

NOTE Confidence: 0.5695818

01:55:10.480 --> 01:55:12.520 They could have implication for treatments.

NOTE Confidence: 0.5695818

01:55:12.520 --> 01:55:15.172 We need to remind ourselves that these

NOTE Confidence: 0.5695818

01:55:15.172 --> 01:55:17.000 things potentially could be corrected,

NOTE Confidence: 0.5695818

01:55:17.000 --> 01:55:19.688 but we need to be aware of how

NOTE Confidence: 0.5695818

01:55:19.688 --> 01:55:21.648 different people are and the

NOTE Confidence: 0.5695818

01:55:21.648 --> 01:55:24.078 treatments may need to be personalized.

NOTE Confidence: 0.5695818

01:55:24.080 --> 01:55:26.880 And we can then develop this model

NOTE Confidence: 0.5695818

01:55:26.880 --> 01:55:29.360 further in view of treatment

NOTE Confidence: 0.30131522

01:55:29.720 --> 01:55:31.862 and we can look at large scale

NOTE Confidence: 0.30131522

01:55:31.862 --> 01:55:33.437 studies potentially in the future

NOTE Confidence: 0.30131522

01:55:33.437 --> 01:55:35.207 to look at this phenotype across

NOTE Confidence: 0.30131522

01:55:35.207 --> 01:55:38.398 a large number of individuals.

NOTE Confidence: 0.30131522

01:55:38.400 --> 01:55:41.590 And so I wanted to finish by

NOTE Confidence: 0.30131522

01:55:41.590 --> 01:55:44.656 acknowledging my lab, my collaborator,

NOTE Confidence: 0.30131522

01:55:44.656 --> 01:55:47.512 the clinicians who have helped in our

NOTE Confidence: 0.30131522

01:55:47.512 --> 01:55:49.839 studies to recruit all these people,

NOTE Confidence: 0.30131522

01:55:49.840 --> 01:55:52.015 our Funding Agency and especially

NOTE Confidence: 0.30131522

01:55:52.015 --> 01:55:54.190 the Aranstein family who gave

NOTE Confidence: 0.30131522

01:55:54.262 --> 01:55:57.035 us the chance to be here to get

NOTE Confidence: 0.30131522

01:55:57.035 --> 01:55:59.819 to this point and to continue

NOTE Confidence: 0.30131522

01:55:59.819 --> 01:56:01.478 this incredible trajectory.

NOTE Confidence: 0.30131522

01:56:01.480 --> 01:56:01.920 Thank you.

NOTE Confidence: 0.6485596

01:56:05.720 --> 01:56:08.996 Thank you for. May we turn to Jamie.

NOTE Confidence: 0.6485596

01:56:10.320 --> 01:56:12.160 Sure. Thanks so much, Linda.

NOTE Confidence: 0.6485596

01:56:12.160 --> 01:56:14.960 And and Laura, thanks for queuing me up.

NOTE Confidence: 0.6485596

01:56:14.960 --> 01:56:17.912 I'm going to expand on the idea that Laura

NOTE Confidence: 0.6485596

01:56:17.912 --> 01:56:20.660 put forward that one size doesn't fit all

NOTE Confidence: 0.6485596

01:56:20.660 --> 01:56:24.238 her or we can talk about it as heterogeneity.

NOTE Confidence: 0.6485596

01:56:24.240 --> 01:56:25.356 And as many of you know,

NOTE Confidence: 0.6485596

01:56:25.360 --> 01:56:27.718 I my focus primarily is autism.

NOTE Confidence: 0.6485596

01:56:27.720 --> 01:56:30.222 And really the idea that one size doesn't fit

NOTE Confidence: 0.6485596

01:56:30.222 --> 01:56:32.717 all is actually what brought me to autism.

NOTE Confidence: 0.6485596

01:56:32.720 --> 01:56:36.875 One summer during college I was I was very,

NOTE Confidence: 0.6485596

01:56:36.875 --> 01:56:39.920 very certain that I was going to be a lawyer.

NOTE Confidence: 0.6485596

01:56:39.920 --> 01:56:42.629 And I spent a summer working as an assistant

NOTE Confidence: 0.6485596

01:56:42.629 --> 01:56:45.256 teacher at a school on Long Island for

NOTE Confidence: 0.6485596

01:56:45.256 --> 01:56:47.040 children with development disabilities.

NOTE Confidence: 0.6485596

01:56:47.040 --> 01:56:49.278 And this was my first contact

01:56:49.278 --> 01:56:50.397 with autistic children.

01:56:50.400 --> 01:56:52.317 And I came to the classroom that first day,

01:56:52.320 --> 01:56:54.680 and I met Tessa, and I met Bradley,

01:56:54.680 --> 01:56:56.536 and Bradley came up to me and talked

01:56:56.536 --> 01:56:58.840 to me and read to me from his favorite

01:56:58.840 --> 01:57:01.130 book and told me probably more than I

01:57:01.130 --> 01:57:03.710 actually wanted to know about that book.

01:57:03.710 --> 01:57:07.040 And Tessa said nothing to me.

01:57:07.040 --> 01:57:08.200 She didn't look at me.

01:57:08.200 --> 01:57:10.076 She sat in the corner by herself,

01:57:10.080 --> 01:57:13.437 and she played with the fringe on the carpet.

01:57:13.440 --> 01:57:15.860 And I didn't understand what

01:57:15.860 --> 01:57:18.280 they They both had autism.

01:57:18.280 --> 01:57:20.919 They were both in the same classroom.

01:57:20.920 --> 01:57:22.484 What did this mean?

01:57:22.484 --> 01:57:25.592 What did it mean about the brain

NOTE Confidence: 0.6485596

01:57:25.592 --> 01:57:28.070 that that the same kinds of kids who

NOTE Confidence: 0.6485596

01:57:28.070 --> 01:57:29.936 have such different strengths could

NOTE Confidence: 0.6485596

01:57:29.936 --> 01:57:31.796 have some common vulnerabilities?

NOTE Confidence: 0.6485596

01:57:31.800 --> 01:57:34.504 And what does it mean about psychology and

NOTE Confidence: 0.6485596

01:57:34.504 --> 01:57:36.880 psychiatry that we don't have better labels,

NOTE Confidence: 0.6485596

01:57:36.880 --> 01:57:37.760 that we call these really,

NOTE Confidence: 0.6485596

01:57:37.760 --> 01:57:39.704 really different kids autism?

NOTE Confidence: 0.6485596

01:57:39.704 --> 01:57:42.955 And I changed gears and that's what I did,

NOTE Confidence: 0.6485596

01:57:42.960 --> 01:57:45.824 is try to figure out what's happening here

NOTE Confidence: 0.6485596

01:57:45.824 --> 01:57:49.118 and how we can individuate the differences,

NOTE Confidence: 0.6485596

01:57:49.120 --> 01:57:49.864 the strengths,

NOTE Confidence: 0.6485596

01:57:49.864 --> 01:57:51.724 the weaknesses of these kids

NOTE Confidence: 0.6485596

01:57:51.724 --> 01:57:52.840 in meaningful ways.

NOTE Confidence: 0.6485596

01:57:52.840 --> 01:57:53.336 I,

NOTE Confidence: 0.6485596

01:57:53.336 --> 01:57:53.832 again,

194

01:57:53.832 --> 01:57:56.312 clinically as a graduate student

01:57:56.312 --> 01:57:59.018 trying to understand the diagnostic

01:57:59.018 --> 01:58:01.278 classifications that we use.

01:58:01.280 --> 01:58:02.440 And maybe if I really,

01:58:02.440 --> 01:58:04.164 really dug in there,

01:58:04.164 --> 01:58:07.520 the answer would be there and it wasn't.

01:58:07.520 --> 01:58:09.520 And I thought, well,

01:58:09.520 --> 01:58:12.968 maybe if I dig into the brain,

01:58:12.968 --> 01:58:14.540 maybe the things that I can't

01:58:14.596 --> 01:58:15.716 see with my own eyes,

01:58:15.720 --> 01:58:17.070 the things that are hidden

01:58:17.070 --> 01:58:17.880 inside the cranium,

01:58:17.880 --> 01:58:19.553 are the things that are going to

01:58:19.553 --> 01:58:21.133 help me understand what are the

01:58:21.133 --> 01:58:22.759 meaningful differences and how to help.

01:58:22.760 --> 01:58:24.632 And what I can't tell you

NOTE Confidence: 0.6485596

01:58:24.632 --> 01:58:26.200 whether they're there or not,

NOTE Confidence: 0.6485596

01:58:26.200 --> 01:58:27.904 but I can tell you that for the

NOTE Confidence: 0.6485596

01:58:27.904 --> 01:58:30.120 past 20 years, I continue to look.

NOTE Confidence: 0.6485596

01:58:30.120 --> 01:58:32.220 And that's what I've done since

NOTE Confidence: 0.6485596

01:58:32.290 --> 01:58:35.272 I came to Yale, now 20 years ago,

NOTE Confidence: 0.6485596

01:58:35.272 --> 01:58:36.217 almost 2004.

NOTE Confidence: 0.6485596

01:58:36.217 --> 01:58:38.959 And you know, on this day,

NOTE Confidence: 0.6485596

01:58:38.960 --> 01:58:40.272 talking to the associates,

NOTE Confidence: 0.6485596

01:58:40.272 --> 01:58:43.228 I feel like my career is a bit of a

NOTE Confidence: 0.6485596

01:58:43.228 --> 01:58:45.520 case study in how you can be impactful.

NOTE Confidence: 0.6485596

01:58:45.520 --> 01:58:46.464 When I came here,

NOTE Confidence: 0.6485596

01:58:46.464 --> 01:58:49.180 my job was to be in a clinic and to

NOTE Confidence: 0.6485596

01:58:49.180 --> 01:58:51.022 be working with kids with autism

NOTE Confidence: 0.6485596

01:58:51.088 --> 01:58:52.930 and get from the associates gave

NOTE Confidence: 0.6485596

01:58:52.930 --> 01:58:55.264 me some time to study and to write

NOTE Confidence: 0.6485596

01:58:55.264 --> 01:58:57.359 grants and to try to start a lab.

NOTE Confidence: 0.6485596

01:58:57.360 --> 01:59:00.151 And then when I had a lab support

NOTE Confidence: 0.6485596

01:59:00.151 --> 01:59:00.964 from the associates,

NOTE Confidence: 0.6485596

01:59:00.964 --> 01:59:02.319 let me do things like

NOTE Confidence: 0.7710809

01:59:02.560 --> 01:59:04.080 send print a poster

NOTE Confidence: 0.80519582

01:59:04.400 --> 01:59:06.578 so that I could be a part of an

NOTE Confidence: 0.80519582

01:59:06.578 --> 01:59:08.588 academic conference or or take a lab

NOTE Confidence: 0.80519582

01:59:08.588 --> 01:59:10.680 a colleague out for coffee so that

NOTE Confidence: 0.80519582

01:59:10.680 --> 01:59:12.752 we could talk about a new project.

NOTE Confidence: 0.80519582

01:59:12.760 --> 01:59:15.928 As my lab grew and as my the

NOTE Confidence: 0.80519582

01:59:15.928 --> 01:59:18.518 trajectory of my career changed,

NOTE Confidence: 0.80519582

01:59:18.520 --> 01:59:20.960 the associates have made have

NOTE Confidence: 0.80519582

01:59:20.960 --> 01:59:22.912 remained just as important.

NOTE Confidence: 0.80519582

01:59:22.920 --> 01:59:26.904 In 2015, I received the the biggest grant

NOTE Confidence: 0.80519582

01:59:26.904 --> 01:59:31.156 the NIH has ever given to study autism.

NOTE Confidence: 0.80519582

01:59:31.160 --> 01:59:32.396 But as bizarre as it sounds,

NOTE Confidence: 0.80519582

01:59:32.400 --> 01:59:35.580 this gigantic grant didn't include money

NOTE Confidence: 0.80519582

01:59:35.580 --> 01:59:39.200 for an EEG system to actually do the work.

NOTE Confidence: 0.80519582

01:59:39.200 --> 01:59:40.806 The associates came through

NOTE Confidence: 0.80519582

01:59:40.806 --> 01:59:43.236 and let this study happen.

NOTE Confidence: 0.80519582

01:59:43.240 --> 01:59:45.472 When I had the idea that maybe some of

NOTE Confidence: 0.80519582

01:59:45.472 --> 01:59:47.724 the things that we've learned in this

NOTE Confidence: 0.80519582

01:59:47.724 --> 01:59:50.316 study could be termed not just as kind

NOTE Confidence: 0.80519582

01:59:50.316 --> 01:59:52.158 of descriptors of how to understand

NOTE Confidence: 0.80519582

01:59:52.160 --> 01:59:54.760 autism but as treatment targets,

NOTE Confidence: 0.80519582

01:59:54.760 --> 01:59:56.914 it was an associate who helped

NOTE Confidence: 0.80519582

01:59:56.914 --> 01:59:59.927 me buy a machine so that I can

NOTE Confidence: 0.80519582

01:59:59.927 --> 02:00:01.797 now directly stimulate parts of

NOTE Confidence: 0.80519582

02:00:01.797 --> 02:00:04.319 the brain to ramp up the parts.

NOTE Confidence: 0.80519582

02:00:04.320 --> 02:00:06.156 That we think are under active.

NOTE Confidence: 0.80519582

02:00:06.160 --> 02:00:07.980 So really it's been critical at every

NOTE Confidence: 0.80519582

02:00:07.980 --> 02:00:10.584 stage and now I find myself at a part

NOTE Confidence: 0.80519582

02:00:10.584 --> 02:00:12.320 of the career where I've come full

NOTE Confidence: 0.80519582

02:00:12.386 --> 02:00:14.642 circle a little bit and now I have

NOTE Confidence: 0.80519582

02:00:14.642 --> 02:00:16.511 the opportunity to help some of the

NOTE Confidence: 0.80519582

02:00:16.511 --> 02:00:18.582 people that are that are in my lab.

NOTE Confidence: 0.80519582

02:00:18.582 --> 02:00:19.678 You heard from Allen.

NOTE Confidence: 0.80519582

02:00:19.680 --> 02:00:21.495 Others that are other postdocs

NOTE Confidence: 0.80519582

02:00:21.495 --> 02:00:23.310 or junior colleagues have ideas

NOTE Confidence: 0.80519582

02:00:23.374 --> 02:00:24.839 that need to be launched.

NOTE Confidence: 0.80519582

02:00:24.840 --> 02:00:27.794 And one of the the truths about

NOTE Confidence: 0.80519582

02:00:27.794 --> 02:00:31.130 science is that we can't launch our

NOTE Confidence: 0.80519582

02:00:31.130 --> 02:00:32.840 boldest ideas with conventional

NOTE Confidence: 0.80519582

02:00:32.840 --> 02:00:35.000 funding mechanisms that are too risky.

NOTE Confidence: 0.80519582

02:00:35.000 --> 02:00:37.520 And most funding mechanisms are risk averse.

NOTE Confidence: 0.80519582

02:00:37.520 --> 02:00:39.756 So what people what supporters like

NOTE Confidence: 0.80519582

02:00:39.756 --> 02:00:42.037 you all do is let us support those

NOTE Confidence: 0.80519582

02:00:42.037 --> 02:00:43.838 kinds of ideas to launch today.

NOTE Confidence: 0.80519582

02:00:43.838 --> 02:00:45.506 The kinds of things that we're

NOTE Confidence: 0.80519582

02:00:45.506 --> 02:00:46.759 trying to launch a Bolt.

NOTE Confidence: 0.80519582

02:00:46.760 --> 02:00:48.505 We're trying to understand how

NOTE Confidence: 0.80519582

02:00:48.505 --> 02:00:50.650 social media and the idea that

NOTE Confidence: 0.80519582

02:00:50.650 --> 02:00:52.678 someone thumbs up or thumbs down,

NOTE Confidence: 0.80519582

02:00:52.680 --> 02:00:54.760 every single thing you do,

NOTE Confidence: 0.80519582

02:00:54.760 --> 02:00:57.510 how that affects autistic people

NOTE Confidence: 0.80519582

02:00:57.510 --> 02:00:59.160 with social disabilities.

NOTE Confidence: 0.80519582

02:00:59.160 --> 02:01:00.438 We're trying to figure out ways.

NOTE Confidence: 0.80519582

02:01:00.440 --> 02:01:00.988 You know,

NOTE Confidence: 0.80519582

02:01:00.988 --> 02:01:02.906 we we've learned so much about how

NOTE Confidence: 0.80519582

02:01:02.906 --> 02:01:05.441 the autistic brain responds to social

NOTE Confidence: 0.80519582

02:01:05.441 --> 02:01:07.797 information, but most of what we do in a lab,

NOTE Confidence: 0.80519582

02:01:07.800 --> 02:01:09.760 if we have new kinds of equipment,

200

NOTE Confidence: 0.80519582

02:01:09.760 --> 02:01:11.370 could we actually do it when people

NOTE Confidence: 0.80519582

02:01:11.370 --> 02:01:13.196 are engaging with one another in real life?

NOTE Confidence: 0.80519582

02:01:13.200 --> 02:01:13.851 We think so.

NOTE Confidence: 0.80519582

02:01:13.851 --> 02:01:15.153 That's what we're trying to do.

NOTE Confidence: 0.80519582

02:01:15.160 --> 02:01:16.993 So thank you.

NOTE Confidence: 0.80519582

02:01:16.993 --> 02:01:19.437 It's been a partnership.

NOTE Confidence: 0.80519582

02:01:19.440 --> 02:01:21.312 Many of you associates are people

NOTE Confidence: 0.80519582

02:01:21.312 --> 02:01:22.560 that I consider friends,

NOTE Confidence: 0.80519582

02:01:22.560 --> 02:01:22.960 colleagues.

NOTE Confidence: 0.80519582

02:01:22.960 --> 02:01:25.760 I was thinking some of you are

NOTE Confidence: 0.80519582

02:01:25.760 --> 02:01:26.560 even co-authors,

NOTE Confidence: 0.80519582

02:01:26.560 --> 02:01:29.368 some of you have been mentors to me

NOTE Confidence: 0.80519582

02:01:29.368 --> 02:01:31.280 and I thank you for your partnership.

NOTE Confidence: 0.80519582

02:01:31.280 --> 02:01:34.040 And really today I'm still trying

NOTE Confidence: 0.80519582

02:01:34.040 --> 02:01:37.520 to do a better job than we did,

NOTE Confidence: 0.80519582

02:01:37.520 --> 02:01:39.200 you know more than 20 years ago

NOTE Confidence: 0.80519582

02:01:39.200 --> 02:01:40.400 for Tessa and Bradley.

NOTE Confidence: 0.80519582

02:01:40.400 --> 02:01:41.674 So thanks for your partnership in that.

NOTE Confidence: 0.80519582

02:01:41.680 --> 02:01:41.920 I'm going

NOTE Confidence: 0.5907344

02:01:44.840 --> 02:01:45.440 to turn to Ellie.

NOTE Confidence: 0.33195126

02:01:49.360 --> 02:01:50.995 Hi, I'm Ellie Liebowitz.

NOTE Confidence: 0.33195126

02:01:50.995 --> 02:01:55.760 I'm in the Anxiety program. And about

NOTE Confidence: 0.33195126

02:01:55.760 --> 02:01:59.920 15 years ago, I was living in Israel

NOTE Confidence: 0.33195126

02:01:59.920 --> 02:02:03.740 actually, and working primarily as a

NOTE Confidence: 0.33195126

02:02:03.740 --> 02:02:07.250 clinician in my own practice and in

NOTE Confidence: 0.33195126

02:02:07.250 --> 02:02:09.520 Israel's largest Children's Hospital.

NOTE Confidence: 0.33195126

02:02:09.520 --> 02:02:14.964 But I knew that I wanted my clinical work to

NOTE Confidence: 0.33195126

02:02:14.964 --> 02:02:19.715 inform a career in research on child anxiety,

NOTE Confidence: 0.33195126

02:02:19.720 --> 02:02:21.736 and my boss at the hospital gave

NOTE Confidence: 0.33195126

02:02:21.736 --> 02:02:24.404 me a contact the lead at the Child

NOTE Confidence: 0.33195126

02:02:24.404 --> 02:02:26.148 Study Center and suggested, hey,

02:02:26.148 --> 02:02:28.236 maybe reach out, share your interest,

02:02:28.240 --> 02:02:31.000 see if there's an opportunity there.

02:02:31.000 --> 02:02:34.536 So I sent an e-mail and about 5 minutes

02:02:34.536 --> 02:02:38.895 later I woke up my wife to say hey.

02:02:38.895 --> 02:02:43.288 They replied to my e-mail and the e-mail

02:02:43.288 --> 02:02:47.200 back said there might be something.

02:02:47.200 --> 02:02:50.480 And that led to a very rapid whirlwind.

02:02:50.480 --> 02:02:52.580 A couple of weeks and within

02:02:52.580 --> 02:02:54.096 a month our family,

02:02:54.096 --> 02:02:56.136 including two little boys at

02:02:56.136 --> 02:02:58.354 the time and two dogs,

02:02:58.354 --> 02:03:01.833 had moved to New Haven to start

02:03:01.840 --> 02:03:06.076 working as the quote anxiety postdoc.

02:03:06.080 --> 02:03:10.466 Now that was only possible because

02:03:10.466 --> 02:03:14.400 of a person's generosity and

02:03:14.400 --> 02:03:17.416 commitment to building a world

NOTE Confidence: 0.33195126

02:03:17.416 --> 02:03:19.936 leading anxiety program because they

NOTE Confidence: 0.33195126

02:03:19.936 --> 02:03:22.076 cared enough about mental health,

NOTE Confidence: 0.33195126

02:03:22.080 --> 02:03:23.649 about children's development,

NOTE Confidence: 0.33195126

02:03:23.649 --> 02:03:26.787 and we're willing to take concrete

NOTE Confidence: 0.33195126

02:03:26.787 --> 02:03:29.679 action and steps to make a difference.

NOTE Confidence: 0.33195126

02:03:29.680 --> 02:03:33.845 And now we have a thriving anxiety

NOTE Confidence: 0.33195126

02:03:33.845 --> 02:03:36.250 program that has already made a

NOTE Confidence: 0.33195126

02:03:36.250 --> 02:03:38.600 very real impact on the field,

NOTE Confidence: 0.33195126

02:03:38.600 --> 02:03:40.716 including developing to the

NOTE Confidence: 0.33195126

02:03:40.716 --> 02:03:42.832 fastest growing new treatment

NOTE Confidence: 0.33195126

02:03:42.832 --> 02:03:45.558 for child anxiety in 30 years.

NOTE Confidence: 0.664139

02:03:48.080 --> 02:03:50.455 When people ask me about

NOTE Confidence: 0.664139

02:03:50.455 --> 02:03:51.880 my personal trajectory,

NOTE Confidence: 0.664139

02:03:51.880 --> 02:03:55.255 I tend to emphasize being

NOTE Confidence: 0.664139

02:03:55.255 --> 02:03:57.955 fortunate in three ways.

NOTE Confidence: 0.664139

02:03:57.960 --> 02:04:01.086 3 forms of generosity that I

NOTE Confidence: 0.664139

02:04:01.086 --> 02:04:04.759 have been able to benefit from.

NOTE Confidence: 0.664139

02:04:04.760 --> 02:04:07.139 Generosity of philanthropy.

NOTE Confidence: 0.664139

02:04:07.139 --> 02:04:10.430 Generosity of mentorship and

NOTE Confidence: 0.664139

02:04:10.430 --> 02:04:13.160 generosity of collaboration.

NOTE Confidence: 0.664139

02:04:13.160 --> 02:04:14.980 And I try to pay these things

NOTE Confidence: 0.664139

02:04:14.980 --> 02:04:16.757 back as much as I can today,

NOTE Confidence: 0.664139

02:04:16.760 --> 02:04:19.448 because I know very well that without

NOTE Confidence: 0.664139

02:04:19.448 --> 02:04:22.677 all three of those forms of generosity,

NOTE Confidence: 0.664139

02:04:22.680 --> 02:04:27.120 I would never be able to accomplish anything.

NOTE Confidence: 0.664139

02:04:27.120 --> 02:04:30.432 You know, when I sent that e-mail years ago,

NOTE Confidence: 0.664139

02:04:30.440 --> 02:04:33.250 I had a lot of ideas about things that I

NOTE Confidence: 0.664139

02:04:33.250 --> 02:04:36.040 thought needed to change in our field.

NOTE Confidence: 0.664139

02:04:36.040 --> 02:04:38.854 My clinical work was showing me that

NOTE Confidence: 0.664139

02:04:38.854 --> 02:04:41.804 the one size approach to treating

NOTE Confidence: 0.664139

02:04:41.804 --> 02:04:44.314 anxiety just didn't make sense.

NOTE Confidence: 0.664139

02:04:44.320 --> 02:04:45.262 For example,

NOTE Confidence: 0.664139

02:04:45.262 --> 02:04:48.559 I would often have to turn away

NOTE Confidence: 0.664139

02:04:48.559 --> 02:04:51.438 families who were seeking treatment

NOTE Confidence: 0.664139

02:04:51.440 --> 02:04:53.305 because their anxious child wasn't

NOTE Confidence: 0.664139

02:04:53.305 --> 02:04:54.992 motivated or was unwilling or

NOTE Confidence: 0.664139

02:04:54.992 --> 02:04:57.180 unable to collaborate with the very

NOTE Confidence: 0.664139

02:04:57.180 --> 02:04:59.040 demanding challenges that are part

NOTE Confidence: 0.664139

02:04:59.107 --> 02:05:00.999 of cognitive behavioral therapy,

NOTE Confidence: 0.664139

02:05:01.000 --> 02:05:03.944 which has been for a long time the

NOTE Confidence: 0.664139

02:05:03.944 --> 02:05:05.362 frontline treatment for anxiety.

NOTE Confidence: 0.664139

02:05:05.362 --> 02:05:07.749 But my frustration about not being able

NOTE Confidence: 0.664139

02:05:07.749 --> 02:05:10.198 to help those families kept growing.

NOTE Confidence: 0.664139

02:05:10.200 --> 02:05:12.160 You know, parents would say to me,

NOTE Confidence: 0.664139

02:05:12.160 --> 02:05:14.386 of course, they're too anxious for

NOTE Confidence: 0.664139

02:05:14.386 --> 02:05:16.678 what you're asking them to do.

NOTE Confidence: 0.664139

02:05:16.680 --> 02:05:17.506 They're anxious.

NOTE Confidence: 0.664139

02:05:17.506 --> 02:05:18.919 That's the whole point.

NOTE Confidence: 0.664139

02:05:18.920 --> 02:05:20.015 They have anxiety.

NOTE Confidence: 0.664139

02:05:20.015 --> 02:05:21.475 That's why we came.

NOTE Confidence: 0.664139

02:05:21.480 --> 02:05:24.007 And I knew from my work with

NOTE Confidence: 0.664139

02:05:24.007 --> 02:05:26.000 other problems like aggression,

NOTE Confidence: 0.664139

02:05:26.000 --> 02:05:26.534 defiance,

NOTE Confidence: 0.664139

02:05:26.534 --> 02:05:27.602 disruptive behaviors.

NOTE Confidence: 0.664139

02:05:27.602 --> 02:05:30.806 I knew from those fields that

NOTE Confidence: 0.664139

02:05:30.806 --> 02:05:33.566 parent work can be just as

NOTE Confidence: 0.664139

02:05:33.566 --> 02:05:35.278 sometimes even more effective

NOTE Confidence: 0.664139

02:05:35.280 --> 02:05:37.680 than treating a child directly.

NOTE Confidence: 0.664139

02:05:37.680 --> 02:05:40.320 And I also saw how deeply

NOTE Confidence: 0.664139

02:05:40.320 --> 02:05:42.080 parents were getting entangled

NOTE Confidence: 0.664139

02:05:42.165 --> 02:05:44.461 in their children's anxiety

NOTE Confidence: 0.664139

02:05:44.461 --> 02:05:47.331 symptoms through the process of

NOTE Confidence: 0.664139

02:05:47.331 --> 02:05:49.558 accommodating the child's anxiety.

NOTE Confidence: 0.80606365

02:05:51.800 --> 02:05:54.305 And when I went to do a review of

NOTE Confidence: 0.80606365

02:05:54.305 --> 02:05:56.680 the literature of the research on

NOTE Confidence: 0.80606365

02:05:56.680 --> 02:05:58.300 accommodation of child anxiety,

NOTE Confidence: 0.80606365

02:05:58.300 --> 02:06:00.000 which I learned about through

NOTE Confidence: 0.80606365

02:06:00.000 --> 02:06:01.877 the field of research in OCD,

NOTE Confidence: 0.80606365

02:06:01.880 --> 02:06:03.400 and I was seeing in my clinical work,

NOTE Confidence: 0.80606365

02:06:03.400 --> 02:06:04.880 I went to do like,

NOTE Confidence: 0.80606365

02:06:04.880 --> 02:06:07.274 what does the literature say about this?

NOTE Confidence: 0.80606365

02:06:07.280 --> 02:06:08.400 Well, that literature review

NOTE Confidence: 0.80606365

02:06:08.400 --> 02:06:09.520 proved to be very,

NOTE Confidence: 0.80606365

02:06:09.520 --> 02:06:12.395 very short because there were

NOTE Confidence: 0.80606365

02:06:12.395 --> 02:06:14.690 exactly 0 studies of that.

NOTE Confidence: 0.80606365

02:06:14.690 --> 02:06:18.874 And so I had a lot of ideas for new research,

NOTE Confidence: 0.80606365

02:06:18.874 --> 02:06:20.725 directions for different

208

NOTE Confidence: 0.80606365

02:06:20.725 --> 02:06:21.959 biological mechanisms,

NOTE Confidence: 0.80606365

02:06:21.960 --> 02:06:25.719 for new treatment to help more families.

NOTE Confidence: 0.80606365

02:06:25.720 --> 02:06:30.130 But ideas are actually not the

NOTE Confidence: 0.80606365

02:06:30.130 --> 02:06:33.004 scarcest resource in our field.

NOTE Confidence: 0.80606365

02:06:33.004 --> 02:06:37.479 There are a lot of good ideas out there,

NOTE Confidence: 0.80606365

02:06:37.480 --> 02:06:40.490 but none of them really mean anything without

NOTE Confidence: 0.80606365

02:06:40.490 --> 02:06:44.480 the opportunity to actually implement them.

NOTE Confidence: 0.80606365

02:06:44.480 --> 02:06:45.084 For me,

NOTE Confidence: 0.80606365

02:06:45.084 --> 02:06:47.198 it would not have come to anything

NOTE Confidence: 0.80606365

02:06:47.198 --> 02:06:49.423 without the opportunity to be here

NOTE Confidence: 0.80606365

02:06:49.423 --> 02:06:52.160 benefiting from the generosity of donors,

NOTE Confidence: 0.80606365

02:06:52.160 --> 02:06:53.240 of mentors,

NOTE Confidence: 0.80606365

02:06:53.240 --> 02:06:55.400 of collaborators working with

NOTE Confidence: 0.80606365

02:06:55.400 --> 02:06:58.093 collaborators like Flora and the

NOTE Confidence: 0.80606365

02:06:58.093 --> 02:07:00.781 really mind boggling science that she

NOTE Confidence: 0.80606365

02:07:00.781 --> 02:07:03.440 just described a few minutes ago.

NOTE Confidence: 0.80606365

02:07:03.440 --> 02:07:06.242 Collaborations with Flora LED us to

NOTE Confidence: 0.80606365

02:07:06.242 --> 02:07:08.605 identify novel biomarkers that have

NOTE Confidence: 0.80606365

02:07:08.605 --> 02:07:11.517 never been studied before in human beings,

NOTE Confidence: 0.80606365

02:07:11.520 --> 02:07:14.392 and that may help to unravel some mysteries

NOTE Confidence: 0.80606365

02:07:14.392 --> 02:07:17.558 that have been around for a really long time.

NOTE Confidence: 0.80606365

02:07:17.560 --> 02:07:21.907 Like how does stress and adversity in

NOTE Confidence: 0.80606365

02:07:21.907 --> 02:07:26.600 childhood lead to anxiety disorders later?

NOTE Confidence: 0.80606365

02:07:26.600 --> 02:07:28.530 What are the actual molecular

NOTE Confidence: 0.80606365

02:07:28.530 --> 02:07:30.074 pathways linking those things,

NOTE Confidence: 0.80606365

02:07:30.080 --> 02:07:33.279 and can we intervene to change them?

NOTE Confidence: 0.80606365

02:07:33.280 --> 02:07:35.800 Or working with brilliant

NOTE Confidence: 0.80606365

02:07:35.800 --> 02:07:38.320 geneticists like Tom Fernandez,

NOTE Confidence: 0.80606365

02:07:38.320 --> 02:07:42.240 like Emily Olson,

NOTE Confidence: 0.80606365

02:07:42.240 --> 02:07:44.840 has led to groundbreaking genetic

NOTE Confidence: 0.80606365

02:07:44.840 --> 02:07:48.200 discoveries that can take us one step

NOTE Confidence: 0.80606365

02:07:48.200 --> 02:07:52.997 closer to being able to say more than just.

NOTE Confidence: 0.80606365

02:07:53.000 --> 02:07:55.640 Yes, genetic plays a role,

NOTE Confidence: 0.80606365

02:07:55.640 --> 02:07:59.440 but we don't really understand how,

NOTE Confidence: 0.80606365

02:07:59.440 --> 02:08:02.050 which has kind of been my answer to a lot

NOTE Confidence: 0.80606365

02:08:02.119 --> 02:08:05.020 of the genetics questions for way too long.

NOTE Confidence: 0.80606365

02:08:05.020 --> 02:08:07.180 And working with mentors

NOTE Confidence: 0.80606365

02:08:07.180 --> 02:08:08.800 like Wendy Silverman,

NOTE Confidence: 0.80606365

02:08:08.800 --> 02:08:10.160 who directs the Anxiety Program,

NOTE Confidence: 0.80606365

02:08:10.160 --> 02:08:11.720 like Jim Lackman, like Bob King.

NOTE Confidence: 0.80606365

02:08:11.720 --> 02:08:14.560 Like so many others.

NOTE Confidence: 0.80606365

02:08:14.560 --> 02:08:16.898 The mentors who believed in me supported

NOTE Confidence: 0.80606365

02:08:16.898 --> 02:08:19.840 me and have been a role model to me.

NOTE Confidence: 0.9090369

02:08:21.880 --> 02:08:23.080 Without all of those things,

NOTE Confidence: 0.9090369

02:08:23.080 --> 02:08:25.680 it would not be possible.

NOTE Confidence: 0.9090369

02:08:25.680 --> 02:08:27.800 Now, I guess, in a sense,

NOTE Confidence: 0.9090369

02:08:27.800 --> 02:08:30.957 I guess my message is that if you

NOTE Confidence: 0.9090369

02:08:30.957 --> 02:08:33.640 can be generous in any of these ways,

NOTE Confidence: 0.9090369

02:08:33.640 --> 02:08:36.797 do it not just for our center,

NOTE Confidence: 0.9090369

02:08:36.800 --> 02:08:37.572 our department,

NOTE Confidence: 0.9090369

02:08:37.572 --> 02:08:40.274 but for every sphere in your life.

NOTE Confidence: 0.9090369

02:08:40.280 --> 02:08:41.996 Maybe there is somebody that you

NOTE Confidence: 0.90920325

02:08:42.000 --> 02:08:44.720 can mentor. Maybe there

NOTE Confidence: 0.9093696

02:08:44.720 --> 02:08:46.664 is a new collaboration that you

NOTE Confidence: 0.9093696

02:08:46.664 --> 02:08:49.110 can form that can prove to be more

NOTE Confidence: 0.9093696

02:08:49.110 --> 02:08:51.200 than just the sum of its parts,

NOTE Confidence: 0.9093696

02:08:51.200 --> 02:08:53.756 as so many collaborations really do,

NOTE Confidence: 0.9093696

02:08:53.760 --> 02:08:56.616 And maybe you can support financially the

NOTE Confidence: 0.9093696

02:08:56.616 --> 02:08:59.639 outcomes that you want to see in the world.

NOTE Confidence: 0.9093696

02:08:59.640 --> 02:09:02.960 We have a lot more things to do.

NOTE Confidence: 0.9093696

02:09:02.960 --> 02:09:06.836 I have more ideas, more directions,

NOTE Confidence: 0.9093696

02:09:06.840 --> 02:09:09.576 more potential discoveries in mind today

NOTE Confidence: 0.9093696

02:09:09.576 --> 02:09:13.439 than I did back when I sent that e-mail.

NOTE Confidence: 0.9093696

02:09:13.440 --> 02:09:15.084 And with enough support,

NOTE Confidence: 0.9093696

02:09:15.084 --> 02:09:16.317 with enough mentorship,

NOTE Confidence: 0.9093696

02:09:16.320 --> 02:09:17.751 with enough collaboration,

NOTE Confidence: 0.9093696

02:09:17.751 --> 02:09:21.090 I hope that some of these ideas

NOTE Confidence: 0.9093696

02:09:21.176 --> 02:09:23.476 will become reality as well.

NOTE Confidence: 0.9093696

02:09:23.480 --> 02:09:24.398 So thank you.

NOTE Confidence: 0.41676408

02:09:26.440 --> 02:09:28.400 Well, and, Emily, may I turn to you.

NOTE Confidence: 0.41676408

02:09:31.720 --> 02:09:35.628 Thank you. And these are hard

NOTE Confidence: 0.41676408

02:09:35.628 --> 02:09:37.713 acts to follow for sure.

NOTE Confidence: 0.41676408

02:09:37.720 --> 02:09:39.598 So my name is Emily Olson,

NOTE Confidence: 0.41676408

02:09:39.600 --> 02:09:41.575 and I'm a child psychiatrist

NOTE Confidence: 0.41676408

02:09:41.575 --> 02:09:43.155 and a genetics researcher,

NOTE Confidence: 0.41676408

02:09:43.160 --> 02:09:45.491 and I started on faculty here at the Yale

NOTE Confidence: 0.41676408

02:09:45.491 --> 02:09:47.675 Child Study Center just over a year ago.

NOTE Confidence: 0.41676408

02:09:47.680 --> 02:09:49.864 And before that I did my clinical

NOTE Confidence: 0.41676408

02:09:49.864 --> 02:09:51.599 and research training here as well.

NOTE Confidence: 0.41676408

02:09:51.600 --> 02:09:53.400 So I don't have quite as long

NOTE Confidence: 0.41676408

02:09:53.400 --> 02:09:56.116 a career to draw upon as my

NOTE Confidence: 0.41676408

02:09:56.116 --> 02:09:58.280 other colleagues in this panel.

NOTE Confidence: 0.41676408

02:09:58.280 --> 02:10:00.200 But even in this time,

NOTE Confidence: 0.41676408

02:10:00.200 --> 02:10:02.126 I do feel that donations have

NOTE Confidence: 0.41676408

02:10:02.126 --> 02:10:04.240 really made a big difference,

NOTE Confidence: 0.41676408

02:10:04.240 --> 02:10:05.400 not only in my career,

NOTE Confidence: 0.41676408

02:10:05.400 --> 02:10:06.696 but also, importantly,

NOTE Confidence: 0.41676408

02:10:06.696 --> 02:10:10.559 in the science that I've been able to pursue.

NOTE Confidence: 0.41676408

02:10:10.560 --> 02:10:11.920 And just as an example,

NOTE Confidence: 0.41676408

02:10:11.920 --> 02:10:13.720 the first grant that I ever

NOTE Confidence: 0.41676408

02:10:13.720 --> 02:10:15.352 received at the Child Study

NOTE Confidence: 0.41676408

02:10:15.352 --> 02:10:17.240 Center was about six years ago,

NOTE Confidence: 0.41676408

02:10:17.240 --> 02:10:19.064 when I was fortunate to receive

NOTE Confidence: 0.41676408

02:10:19.064 --> 02:10:21.020 one of those Child Study Center

NOTE Confidence: 0.41676408

02:10:21.020 --> 02:10:22.695 pilot grants that we've heard

NOTE Confidence: 0.41676408

02:10:22.695 --> 02:10:24.677 kind of come up a few times,

NOTE Confidence: 0.41676408

02:10:24.680 --> 02:10:26.360 which were only made possible

NOTE Confidence: 0.41676408

02:10:26.360 --> 02:10:28.040 by donations to the center.

NOTE Confidence: 0.41676408

02:10:28.040 --> 02:10:30.086 And this pilot grant allowed me

NOTE Confidence: 0.41676408

02:10:30.086 --> 02:10:32.837 to start a new research study

NOTE Confidence: 0.41676408

02:10:32.837 --> 02:10:34.796 focused on trichotillomanium.

NOTE Confidence: 0.41676408

02:10:34.800 --> 02:10:35.600 Now,

NOTE Confidence: 0.41676408

02:10:35.600 --> 02:10:37.105 trichotillomania is a condition

NOTE Confidence: 0.41676408

02:10:37.105 --> 02:10:38.515 you might not always hear about,

NOTE Confidence: 0.41676408

02:10:38.520 --> 02:10:40.508 but it's relatively common,

NOTE Confidence: 0.41676408

02:10:40.508 --> 02:10:43.800 affecting about 1% of the population,

NOTE Confidence: 0.41676408

02:10:43.800 --> 02:10:46.200 usually onsets around puberty,

NOTE Confidence: 0.41676408

02:10:46.200 --> 02:10:48.328 and it's characterized by

NOTE Confidence: 0.41676408

02:10:48.328 --> 02:10:51.520 pulling out of one's own hair.

NOTE Confidence: 0.41676408

02:10:51.520 --> 02:10:53.728 And it causes kind of significant

NOTE Confidence: 0.41676408

02:10:53.728 --> 02:10:55.573 distress because it causes bald

NOTE Confidence: 0.41676408

02:10:55.573 --> 02:10:58.100 spots and so impairment in

NOTE Confidence: 0.41676408

02:10:58.100 --> 02:11:01.212 school and at home and sometimes

NOTE Confidence: 0.41676408

02:11:01.212 --> 02:11:02.996 medical complications as well.

NOTE Confidence: 0.41676408

02:11:03.000 --> 02:11:05.790 And these kids who have trichotillomania

NOTE Confidence: 0.41676408

02:11:05.790 --> 02:11:09.788 are also have high rates later on of

NOTE Confidence: 0.41676408

02:11:09.788 --> 02:11:11.840 developing anxiety and depression.

NOTE Confidence: 0.41676408

02:11:11.840 --> 02:11:14.427 So I became interested in this condition

NOTE Confidence: 0.41676408

02:11:14.427 --> 02:11:16.730 because of a few patients I was

NOTE Confidence: 0.41676408

02:11:16.802 --> 02:11:19.756 seeing clinically and because of my mentors.

NOTE Confidence: 0.41676408

02:11:19.760 --> 02:11:21.960 And I was really struck because

NOTE Confidence: 0.41676408

02:11:21.960 --> 02:11:24.840 there are no first line treatments,

NOTE Confidence: 0.41676408

02:11:24.840 --> 02:11:27.156 there are no FDA approved medications.

NOTE Confidence: 0.41676408

02:11:27.160 --> 02:11:29.896 And then as someone who has a PhD in

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02:11:29.896 --> 02:11:32.198 genetics, when I went to the literature,

02:11:32.200 --> 02:11:34.520 we know so little about the

02:11:34.520 --> 02:11:36.760 biology of this condition.

02:11:36.760 --> 02:11:37.888 So with this,

02:11:37.888 --> 02:11:38.640 you know,

02:11:38.640 --> 02:11:40.530 $10,000 pilot grant that I received

02:11:40.530 --> 02:11:43.240 kind of as a second year resident,

02:11:43.240 --> 02:11:45.226 it allowed me to start collecting

02:11:45.226 --> 02:11:46.999 families who were impacted by this

02:11:47.000 --> 02:11:48.876 position and generate important

02:11:48.876 --> 02:11:51.690 kind of preliminary data showing the

02:11:51.762 --> 02:11:54.037 role of specific genetic factors.

02:11:54.040 --> 02:11:55.870 And this preliminary data really has

02:11:55.870 --> 02:11:58.399 motivated kind of a whole line of research.

02:11:58.400 --> 02:12:01.448 So it's fortunately led to more

02:12:01.448 --> 02:12:03.480 donations to additional grants.

NOTE Confidence: 0.41676408

02:12:03.480 --> 02:12:06.320 And then last year I got an NIH

NOTE Confidence: 0.41676408

02:12:06.320 --> 02:12:08.552 grant that allowed me really to

NOTE Confidence: 0.41676408

02:12:08.552 --> 02:12:10.508 transition from being a trainee

NOTE Confidence: 0.41676408

02:12:10.508 --> 02:12:13.520 to becoming a faculty member.

NOTE Confidence: 0.41676408

02:12:13.520 --> 02:12:15.312 And I should say that this is the

NOTE Confidence: 0.41676408

02:12:15.312 --> 02:12:17.200 only NIH grant currently funded

NOTE Confidence: 0.41676408

02:12:17.200 --> 02:12:18.120 on trichotillomania.

NOTE Confidence: 0.41676408

02:12:18.120 --> 02:12:19.947 I'm hoping it won't remain that way

NOTE Confidence: 0.41676408

02:12:19.947 --> 02:12:22.317 for long and that as we do more research,

NOTE Confidence: 0.41676408

02:12:22.320 --> 02:12:24.150 more people will get excited in

NOTE Confidence: 0.41676408

02:12:24.150 --> 02:12:26.920 the field and we'll be able to

NOTE Confidence: 0.41676408

02:12:26.920 --> 02:12:29.080 learn more about this condition.

NOTE Confidence: 0.41676408

02:12:29.080 --> 02:12:31.318 So now as a faculty member,

NOTE Confidence: 0.41676408

02:12:31.320 --> 02:12:31.876 you know,

NOTE Confidence: 0.41676408

02:12:31.876 --> 02:12:33.822 I continue to see and treat patients

NOTE Confidence: 0.41676408

02:12:33.822 --> 02:12:35.669 who have trichotillomania as well

NOTE Confidence: 0.41676408

02:12:35.669 --> 02:12:37.554 as you know related conditions,

NOTE Confidence: 0.41676408

02:12:37.560 --> 02:12:43.356 things like OCD, ticks, ADHD and anxiety.

NOTE Confidence: 0.41676408

02:12:43.360 --> 02:12:46.118 And you know in our outpatient clinic.

NOTE Confidence: 0.92569137

02:12:46.120 --> 02:12:49.384 And I also kind of continue to do

NOTE Confidence: 0.92569137

02:12:49.384 --> 02:12:51.104 research really trying to better

NOTE Confidence: 0.92569137

02:12:51.104 --> 02:12:52.734 understand the genetics of these

NOTE Confidence: 0.92569137

02:12:52.734 --> 02:12:54.477 conditions with the hope that you know,

NOTE Confidence: 0.92569137

02:12:54.480 --> 02:12:56.598 as we learn more about the

NOTE Confidence: 0.92569137

02:12:56.598 --> 02:12:58.476 underlying biology that that will

NOTE Confidence: 0.92569137

02:12:58.476 --> 02:13:02.680 inform our treatment of these kids.

NOTE Confidence: 0.92569137

02:13:02.680 --> 02:13:03.488 And specifically right now

NOTE Confidence: 0.92569137

02:13:03.488 --> 02:13:05.000 a lot of the work I'm doing,

NOTE Confidence: 0.92569137

02:13:05.000 --> 02:13:07.100 I'm really interested in how we can

NOTE Confidence: 0.92569137

02:13:07.100 --> 02:13:09.266 take these new discoveries in genetics

NOTE Confidence: 0.92569137

02:13:09.266 --> 02:13:11.610 because they are coming slowly as

NOTE Confidence: 0.92569137

02:13:11.610 --> 02:13:13.800 Tom kind of discussed early on,

NOTE Confidence: 0.92569137

02:13:13.800 --> 02:13:15.998 but they're coming and how we can

NOTE Confidence: 0.92569137

02:13:15.998 --> 02:13:18.302 actually use them to inform early

NOTE Confidence: 0.92569137

02:13:18.302 --> 02:13:20.168 intervention and treatment because I

NOTE Confidence: 0.92569137

02:13:20.168 --> 02:13:22.156 think that's really the goal is how

NOTE Confidence: 0.92569137

02:13:22.156 --> 02:13:24.357 can we make this information useful.

NOTE Confidence: 0.92569137

02:13:24.360 --> 02:13:26.061 And as a new faculty member now

NOTE Confidence: 0.92569137

02:13:26.061 --> 02:13:28.106 I'm also in the process of kind

NOTE Confidence: 0.92569137

02:13:28.106 --> 02:13:29.676 of starting my own laboratory.

NOTE Confidence: 0.92569137

02:13:29.680 --> 02:13:31.680 And I'm finding, you know,

NOTE Confidence: 0.92569137

02:13:31.680 --> 02:13:33.648 in addition to kind of the two main

NOTE Confidence: 0.92569137

02:13:33.648 --> 02:13:35.740 joys in my career that I've had of

NOTE Confidence: 0.92569137

02:13:35.740 --> 02:13:37.240 kind of working individually with

NOTE Confidence: 0.92569137

02:13:37.240 --> 02:13:39.278 families and doing this genetics research.

NOTE Confidence: 0.92569137

02:13:39.280 --> 02:13:41.478 I'm also realizing that I also love

NOTE Confidence: 0.92569137

02:13:41.478 --> 02:13:44.083 being a mentor and that getting trainees

NOTE Confidence: 0.92569137

02:13:44.083 --> 02:13:46.073 really excited about the field.

NOTE Confidence: 0.92569137

02:13:46.080 --> 02:13:49.040 It's been really fun. So.

NOTE Confidence: 0.92569137

02:13:49.040 --> 02:13:51.002 So right now a lot of my thoughts and

NOTE Confidence: 0.92569137

02:13:51.002 --> 02:13:53.240 and Jamie kind of mentioned this as well,

NOTE Confidence: 0.92569137

02:13:53.240 --> 02:13:55.284 but a lot of my thoughts are

NOTE Confidence: 0.92569137

02:13:55.284 --> 02:13:57.621 now around kind of how to secure

NOTE Confidence: 0.92569137

02:13:57.621 --> 02:13:59.356 funding and donations so that,

NOTE Confidence: 0.92569137

02:13:59.360 --> 02:14:00.480 you know,

NOTE Confidence: 0.92569137

02:14:00.480 --> 02:14:03.440 other people can pursue kind of

NOTE Confidence: 0.92569137

02:14:03.440 --> 02:14:04.880 these important research questions

NOTE Confidence: 0.92569137

02:14:04.880 --> 02:14:07.240 as well and work in our center.

NOTE Confidence: 0.92569137

02:14:07.240 --> 02:14:09.640 And so that we can all kind of continue to,

NOTE Confidence: 0.92569137

02:14:09.640 --> 02:14:10.256 you know,

NOTE Confidence: 0.92569137

02:14:10.256 --> 02:14:11.796 help these kids who continue

NOTE Confidence: 0.92569137

02:14:11.796 --> 02:14:13.869 to suffer despite kind of our

NOTE Confidence: 0.92569137

02:14:13.869 --> 02:14:15.317 available interventions right now.

NOTE Confidence: 0.92569137

02:14:15.320 --> 02:14:18.840 So with that, thank you for the time.

NOTE Confidence: 0.92569137

02:14:18.840 --> 02:14:21.150 I think I was actually the

NOTE Confidence: 0.92569137

02:14:21.150 --> 02:14:22.824 last talk but of the day,

NOTE Confidence: 0.92569137

02:14:22.824 --> 02:14:23.954 but so thank you everyone

NOTE Confidence: 0.92569137

02:14:23.954 --> 02:14:25.039 for sticking around.

NOTE Confidence: 0.92569137

02:14:25.040 --> 02:14:25.280 Thank you

NOTE Confidence: 0.75778574

02:14:26.160 --> 02:14:28.038 so much, Emily.

NOTE Confidence: 0.75778574

02:14:28.040 --> 02:14:29.400 We have time for questions.

NOTE Confidence: 0.75778574

02:14:29.400 --> 02:14:31.476 And Ellie, there is a question

NOTE Confidence: 0.75778574

02:14:31.476 --> 02:14:34.560 in the chat directed to you.

NOTE Confidence: 0.75778574

02:14:34.560 --> 02:14:35.200 Can you see it?

NOTE Confidence: 0.8524754

02:14:35.720 --> 02:14:38.678 Oh, I I do see it.

NOTE Confidence: 0.8524754

02:14:38.680 --> 02:14:43.576 The question is around increased

NOTE Confidence: 0.8524754

02:14:43.576 --> 02:14:45.880 anti-Semitism on college campuses

02:14:45.880 --> 02:14:48.760 and rallies and social media.

02:14:48.760 --> 02:14:51.610 And how can we help young people,

02:14:51.610 --> 02:14:54.335 teens and young adults coping

02:14:54.335 --> 02:14:58.880 with anxiety in that context?

02:14:58.880 --> 02:15:03.096 And I will say that this is a a topic it's

02:15:03.096 --> 02:15:07.000 hard for me to speak about dispassionately,

02:15:07.000 --> 02:15:10.200 in in part because the horrific events of,

02:15:10.200 --> 02:15:12.890 you know, the past month have affected

02:15:12.890 --> 02:15:16.438 me very deeply on a very personal level.

02:15:16.440 --> 02:15:18.580 So it's not a topic that's easy for me to

02:15:18.635 --> 02:15:20.280 talk about in a in a dispassionate way,

02:15:20.280 --> 02:15:22.680 but I also think it's a really important,

02:15:22.680 --> 02:15:25.680 it's a really important topic.

02:15:25.680 --> 02:15:28.280 How can we help young people to cope?

02:15:28.280 --> 02:15:31.456 I think first of all it it

02:15:31.456 --> 02:15:32.596 doesn't need to be said.

NOTE Confidence: 0.8524754

02:15:32.600 --> 02:15:34.231 I think it it's important to first

NOTE Confidence: 0.8524754

02:15:34.231 --> 02:15:36.160 of all just ensure physical safety.

NOTE Confidence: 0.8524754

02:15:36.160 --> 02:15:40.399 And, you know, I would check in with with,

NOTE Confidence: 0.8524754

02:15:40.400 --> 02:15:42.440 you know, the person in your life that

NOTE Confidence: 0.8524754

02:15:42.440 --> 02:15:44.120 you're concerned about or thinking about,

NOTE Confidence: 0.8524754

02:15:44.120 --> 02:15:45.824 are they actually safe?

NOTE Confidence: 0.8524754

02:15:45.824 --> 02:15:47.708 Are they taking steps to ensure

NOTE Confidence: 0.8524754

02:15:47.708 --> 02:15:48.479 that they're safe?

NOTE Confidence: 0.8524754

02:15:48.480 --> 02:15:49.632 Things, you know,

NOTE Confidence: 0.8524754

02:15:49.632 --> 02:15:50.400 like staying,

NOTE Confidence: 0.8524754

02:15:50.400 --> 02:15:53.116 trying to like just stay away from

NOTE Confidence: 0.8524754

02:15:53.116 --> 02:15:54.862 situations that might actually

NOTE Confidence: 0.8524754

02:15:54.862 --> 02:15:57.512 be physically dangerous to them.

NOTE Confidence: 0.8524754

02:15:57.512 --> 02:16:00.400 Check in about how they are coping.

NOTE Confidence: 0.8524754

02:16:00.400 --> 02:16:02.680 How are you feeling those check

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02:16:02.680 --> 02:16:04.200 insurance aside from just,

02:16:04.200 --> 02:16:04.872 you know,

02:16:04.872 --> 02:16:06.888 like you hearing that they're doing

02:16:06.888 --> 02:16:08.968 OK or actually are an important

02:16:08.968 --> 02:16:10.728 source of support when somebody

02:16:10.728 --> 02:16:12.158 just shows you like OK,

02:16:12.160 --> 02:16:13.484 I'm concerned for you,

02:16:13.484 --> 02:16:15.139 especially when you may find

02:16:15.139 --> 02:16:16.714 yourself in an environment where

02:16:16.714 --> 02:16:18.496 you feel more isolated or more

02:16:18.560 --> 02:16:20.160 targeted or things like that.

02:16:20.160 --> 02:16:20.720 I think,

02:16:20.720 --> 02:16:21.280 you know,

02:16:21.280 --> 02:16:22.960 having somebody reach out and just

02:16:22.960 --> 02:16:25.508 ask are you OK and express care

02:16:25.508 --> 02:16:26.900 is really is really important.

NOTE Confidence: 0.8524754

02:16:26.900 --> 02:16:28.440 You can ask questions like are there

NOTE Confidence: 0.8524754

02:16:28.488 --> 02:16:30.000 things you don't feel like you can say,

NOTE Confidence: 0.8524754

02:16:30.000 --> 02:16:32.170 are there places you don't

NOTE Confidence: 0.8524754

02:16:32.170 --> 02:16:32.920 feel like you can go?

NOTE Confidence: 0.8524754

02:16:32.920 --> 02:16:35.518 And things like things like that.

NOTE Confidence: 0.8524754

02:16:35.520 --> 02:16:37.480 I think especially for teenagers,

NOTE Confidence: 0.8524754

02:16:37.480 --> 02:16:40.266 it is also really important to just

NOTE Confidence: 0.8524754

02:16:40.266 --> 02:16:43.060 help to make some distinctions right?

NOTE Confidence: 0.8524754

02:16:43.060 --> 02:16:44.240 Like not

NOTE Confidence: 0.7451421

02:16:47.360 --> 02:16:50.423 and not everybody who expresses even say,

NOTE Confidence: 0.7451421

02:16:50.423 --> 02:16:52.738 an anti-Semitic trope is necessarily

NOTE Confidence: 0.7451421

02:16:52.738 --> 02:16:55.120 a deeply hostile anti-Semitic person.

NOTE Confidence: 0.7451421

02:16:55.120 --> 02:16:56.604 There are a lot of things that

NOTE Confidence: 0.7451421

02:16:56.604 --> 02:16:57.800 become ingrained in our culture,

NOTE Confidence: 0.7451421

02:16:57.800 --> 02:16:59.864 just like biases and implicit biases

NOTE Confidence: 0.7451421

02:16:59.864 --> 02:17:02.696 and things that can can apply to many

NOTE Confidence: 0.7451421

02:17:02.696 --> 02:17:04.436 other minorities and many fields.

NOTE Confidence: 0.7451421

02:17:04.440 --> 02:17:06.240 These things can happen in

NOTE Confidence: 0.7451421

02:17:06.240 --> 02:17:08.091 this context as as well.

NOTE Confidence: 0.7451421

02:17:08.091 --> 02:17:11.640 I would encourage them to seek out healthier,

NOTE Confidence: 0.7451421

02:17:11.640 --> 02:17:12.612 convert healthy conversations.

NOTE Confidence: 0.7451421

02:17:12.612 --> 02:17:14.880 It's important to know when you're in

NOTE Confidence: 0.7451421

02:17:14.931 --> 02:17:16.596 an interaction with another person,

NOTE Confidence: 0.7451421

02:17:16.600 --> 02:17:18.868 are we actually having a constructive

NOTE Confidence: 0.7451421

02:17:18.868 --> 02:17:21.000 conversation even if we disagree?

NOTE Confidence: 0.7451421

02:17:21.000 --> 02:17:22.752 A constructive conversation where your goal

NOTE Confidence: 0.7451421

02:17:22.752 --> 02:17:25.600 is to try to understand another perspective,

NOTE Confidence: 0.7451421

02:17:25.600 --> 02:17:26.758 try to understand the other side.

NOTE Confidence: 0.7451421

02:17:26.760 --> 02:17:32.000 Or are we having more of a combative,

NOTE Confidence: 0.7451421

02:17:32.000 --> 02:17:37.600 you know, hostile kind of inter interaction?

NOTE Confidence: 0.7451421

02:17:37.600 --> 02:17:39.436 I would help them to remember,

NOTE Confidence: 0.7451421

02:17:39.440 --> 02:17:40.448 again, these are things that are

NOTE Confidence: 0.7451421

02:17:40.448 --> 02:17:41.440 harder when you're a teenager.

NOTE Confidence: 0.7451421

02:17:41.440 --> 02:17:43.360 Remember like you as an individual,

NOTE Confidence: 0.7451421

02:17:43.360 --> 02:17:45.040 you are not the Jewish people,

NOTE Confidence: 0.7451421

02:17:45.040 --> 02:17:47.000 you are not the state of Israel.

NOTE Confidence: 0.7451421

02:17:47.000 --> 02:17:50.466 You are a a person and sometimes

NOTE Confidence: 0.7451421

02:17:50.466 --> 02:17:52.758 that can get a little bit,

NOTE Confidence: 0.7451421

02:17:52.760 --> 02:17:54.200 a little bit lost.

NOTE Confidence: 0.7451421

02:17:54.200 --> 02:17:56.186 And by the way, I think,

NOTE Confidence: 0.7451421

02:17:56.186 --> 02:17:58.097 I mean the question is very good

NOTE Confidence: 0.7451421

02:17:58.097 --> 02:17:59.840 and and and very important.

NOTE Confidence: 0.7451421

02:17:59.840 --> 02:18:01.880 It is also important

NOTE Confidence: 0.8405328

02:18:01.880 --> 02:18:03.352 to remember it's that

NOTE Confidence: 0.8405328

02:18:03.352 --> 02:18:07.000 this these events affect

NOTE Confidence: 0.3332635

02:18:07.000 --> 02:18:08.224 not only Jewish people,

02:18:08.224 --> 02:18:09.754 they also affect Palestinian people.

02:18:09.760 --> 02:18:11.800 I feel a lot of what we're are

02:18:11.800 --> 02:18:14.171 what I am saying can actually go

02:18:14.171 --> 02:18:16.450 very much for somebody who may

02:18:16.450 --> 02:18:18.515 feel themselves isolated on the,

02:18:18.520 --> 02:18:21.215 you know, so-called other side of this

02:18:21.215 --> 02:18:23.112 particular of this particular divide.

02:18:23.112 --> 02:18:25.967 I would encourage people to try to be

02:18:25.967 --> 02:18:28.371 like more of a learner and less of an

02:18:28.371 --> 02:18:30.224 expert in a lot of their interactions.

02:18:30.224 --> 02:18:33.320 So those are some off the cover kind of,

02:18:33.320 --> 02:18:35.558 you know, suggestions for for this.

02:18:39.200 --> 02:18:41.520 But really I think just showing care and

02:18:41.520 --> 02:18:43.280 staying physically safe are probably the

02:18:43.280 --> 02:18:46.640 two like top bullets for for me.

02:18:46.640 --> 02:18:47.546 Thank you, Ellie.

02:18:47.546 --> 02:18:49.358 Tom, you had your hand up.

02:18:53.440 --> 02:18:54.199 How does one

02:18:54.320 --> 02:18:57.876 breakdown when one wants to study anxiety?

02:18:57.880 --> 02:18:59.476 Seems to me, if you know children,

02:18:59.480 --> 02:19:01.010 you know anxiety.

02:19:01.010 --> 02:19:03.560 And as we've heard today,

02:19:03.560 --> 02:19:05.240 some people are experts and

02:19:05.240 --> 02:19:06.584 spend their careers studying

02:19:06.584 --> 02:19:08.196 something I never heard of before,

02:19:08.200 --> 02:19:11.355 which is GI psychology and

02:19:11.355 --> 02:19:13.879 then others study loneliness.

02:19:13.880 --> 02:19:15.728 How do you, when you try to

02:19:15.728 --> 02:19:17.400 organize what you're going to study,

02:19:17.400 --> 02:19:21.422 there's so many different silos and

02:19:21.422 --> 02:19:24.508 the silos is so deep you can't get

NOTE Confidence: 0.6835583

02:19:24.508 --> 02:19:26.440 to the bottom of all the silos.

NOTE Confidence: 0.6835583

02:19:26.440 --> 02:19:28.064 So how do how do you sort

NOTE Confidence: 0.6835583

02:19:28.064 --> 02:19:29.520 through that then that dilemma?

NOTE Confidence: 0.8332345

02:19:35.640 --> 02:19:37.439 Who would like to start with that?

NOTE Confidence: 0.8332345

02:19:39.560 --> 02:19:41.320 Well, one one way would

NOTE Confidence: 0.8332345

02:19:41.320 --> 02:19:44.176 be to for forget a little bit about

NOTE Confidence: 0.8332345

02:19:44.176 --> 02:19:46.560 diagnostic categories that are now a bit

NOTE Confidence: 0.8332345

02:19:48.880 --> 02:19:52.200 stereotyped. And they keep changing,

NOTE Confidence: 0.8332345

02:19:52.200 --> 02:19:54.025 sometimes for reasons that are

NOTE Confidence: 0.8332345

02:19:54.025 --> 02:19:56.110 not entirely clear, and and go

NOTE Confidence: 0.8332345

02:19:56.110 --> 02:19:57.760 back to the most fundamental

NOTE Confidence: 0.8332345

02:20:00.040 --> 02:20:03.320 reactions of the human brain.

NOTE Confidence: 0.8332345

02:20:03.320 --> 02:20:05.434 And and and try to draw parallels

NOTE Confidence: 0.8332345

02:20:05.440 --> 02:20:08.900 between what we call phenotypes that

NOTE Confidence: 0.8332345

02:20:08.900 --> 02:20:12.624 is any manifestation behavioral or

NOTE Confidence: 0.8332345

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02:20:12.624 --> 02:20:15.324 physical or motor manifestation like

NOTE Confidence: 0.8332345

02:20:15.324 --> 02:20:17.064 stereotypies that we were talking

NOTE Confidence: 0.8332345

02:20:17.064 --> 02:20:21.037 about this morning and the brain,

NOTE Confidence: 0.8332345

02:20:21.037 --> 02:20:24.632 the brain in this incredible

NOTE Confidence: 0.8332345

02:20:24.632 --> 02:20:26.965 multifunctional manifestation at any

NOTE Confidence: 0.8332345

02:20:26.965 --> 02:20:29.928 level and and by by drawing those

NOTE Confidence: 0.8332345

02:20:29.928 --> 02:20:32.440 linkages we can then probably understand

NOTE Confidence: 0.8332345

02:20:32.440 --> 02:20:34.520 how certain disorders because disorders

NOTE Confidence: 0.8332345

02:20:34.581 --> 02:20:36.835 are just a collection of this like

NOTE Confidence: 0.8332345

02:20:36.835 --> 02:20:39.212 disorders are are not silos themselves.

NOTE Confidence: 0.8332345

02:20:39.212 --> 02:20:41.074 You have a little bit of autism

NOTE Confidence: 0.8332345

02:20:41.074 --> 02:20:41.960 in Tourette's.

NOTE Confidence: 0.8332345

02:20:41.960 --> 02:20:43.472 You have a little bit of

NOTE Confidence: 0.8332345

02:20:43.472 --> 02:20:45.119 Tourette's in autism or in anxiety.

NOTE Confidence: 0.8332345

02:20:45.120 --> 02:20:46.740 With stereotypic behavior is

NOTE Confidence: 0.8332345

02:20:46.740 --> 02:20:48.360 common to many disorders.

NOTE Confidence: 0.8332345

02:20:48.360 --> 02:20:50.280 Anxiety is common to many disorders.

NOTE Confidence: 0.8332345

02:20:50.280 --> 02:20:51.620 So how do we understand that

NOTE Confidence: 0.8332345

02:20:51.620 --> 02:20:53.560 we have to go to the basics.

NOTE Confidence: 0.8332345

02:20:53.560 --> 02:20:54.742 That's my feeling.

NOTE Confidence: 0.8332345

02:20:54.742 --> 02:20:56.318 Not an easy thing.

NOTE Confidence: 0.3719399

02:20:58.520 --> 02:20:59.000 Anyone else,

NOTE Confidence: 0.50701606

02:21:00.200 --> 02:21:02.232 I feel like, I mean,

NOTE Confidence: 0.50701606

02:21:02.232 --> 02:21:04.672 I'm just checking, I'm not on mute.

NOTE Confidence: 0.50701606

02:21:04.672 --> 02:21:07.395 I feel like in a sense almost like

NOTE Confidence: 0.50701606

02:21:07.395 --> 02:21:09.074 the answers that you might get from

NOTE Confidence: 0.50701606

02:21:09.074 --> 02:21:10.428 the group are and the heterogeneity

NOTE Confidence: 0.50701606

02:21:10.428 --> 02:21:12.080 in answers that you might get from

NOTE Confidence: 0.50701606

02:21:12.127 --> 02:21:13.422 the group are almost like a little

NOTE Confidence: 0.50701606

02:21:13.422 --> 02:21:15.039 bit of an answer in in themselves.

NOTE Confidence: 0.50701606

02:21:15.040 --> 02:21:15.920 In the sense that

NOTE Confidence: 0.50701606

02:21:18.080 --> 02:21:20.695 you you also follow your passion a little

NOTE Confidence: 0.50701606

02:21:20.695 --> 02:21:22.600 bit like what actually sparks your,

NOTE Confidence: 0.50701606

02:21:22.600 --> 02:21:25.560 you know, interest For me,

NOTE Confidence: 0.50701606

02:21:25.560 --> 02:21:29.716 I like my clinical work to actually

NOTE Confidence: 0.50701606

02:21:29.716 --> 02:21:32.050 drive the questions that I'm most

NOTE Confidence: 0.50701606

02:21:32.119 --> 02:21:34.599 focused on in in studying Like for me

NOTE Confidence: 0.50701606

02:21:34.599 --> 02:21:36.750 those are where the the best questions

NOTE Confidence: 0.50701606

02:21:36.750 --> 02:21:39.455 that I come come up with and also like

NOTE Confidence: 0.50701606

02:21:39.455 --> 02:21:41.879 thoughts on how to try to address them.

NOTE Confidence: 0.50701606

02:21:41.880 --> 02:21:44.000 They come very much from my clinical work,

NOTE Confidence: 0.50701606

02:21:44.000 --> 02:21:45.296 but that's not because the correct

NOTE Confidence: 0.50701606

02:21:45.296 --> 02:21:46.992 way to get to those questions is

NOTE Confidence: 0.50701606

02:21:46.992 --> 02:21:48.552 to like start from clinical work.

NOTE Confidence: 0.50701606

02:21:48.560 --> 02:21:49.720 It's because that's the way

NOTE Confidence: 0.50701606

02:21:49.720 --> 02:21:51.554 I'm wired and it it, you know,

NOTE Confidence: 0.50701606

02:21:51.554 --> 02:21:54.191 kind of makes sense for, for, for me.

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NOTE Confidence: 0.50701606

02:21:54.191 --> 02:21:56.410 And then you might have another person

NOTE Confidence: 0.50701606

02:21:56.478 --> 02:21:58.434 who really has like another approach.

NOTE Confidence: 0.50701606

02:21:58.434 --> 02:22:01.400 But I don't at least I can say for myself,

NOTE Confidence: 0.50701606

02:22:01.400 --> 02:22:02.720 I think it's probably true broadly.

NOTE Confidence: 0.50701606

02:22:02.720 --> 02:22:04.407 I mean you don't really set out

NOTE Confidence: 0.50701606

02:22:04.407 --> 02:22:06.118 to solve the field of anxiety.

NOTE Confidence: 0.50701606

02:22:06.120 --> 02:22:07.954 You set out to do something right.

NOTE Confidence: 0.50701606

02:22:07.960 --> 02:22:09.212 Like you have a,

NOTE Confidence: 0.50701606

02:22:09.212 --> 02:22:12.720 you have an idea or a question or you know,

NOTE Confidence: 0.50701606

02:22:12.720 --> 02:22:13.958 I think I'm more,

NOTE Confidence: 0.50701606

02:22:13.958 --> 02:22:15.794 I'm more somewhat more narrowly focused,

NOTE Confidence: 0.50701606

02:22:15.800 --> 02:22:18.495 maybe a little bit more humble kind of goal.

NOTE Confidence: 0.50701606

02:22:18.495 --> 02:22:19.720 And then it takes you,

NOTE Confidence: 0.50701606

02:22:19.720 --> 02:22:21.799 you know to the next to the next thing.

NOTE Confidence: 0.29517084

02:22:23.200 --> 02:22:26.020 Emily, there's a question in the

NOTE Confidence: 0.29517084

02:22:26.020 --> 02:22:28.640 chat you is there evidence for

NOTE Confidence: 0.29517084

02:22:28.640 --> 02:22:30.320 genetic basis of trichotillomania?

NOTE Confidence: 0.29517084

02:22:30.320 --> 02:22:34.360 Yeah. So there is evidence,

NOTE Confidence: 0.29517084

02:22:34.360 --> 02:22:36.076 some of it so kind of,

NOTE Confidence: 0.29517084

02:22:36.080 --> 02:22:37.040 you know, decades ago,

NOTE Confidence: 0.29517084

02:22:37.040 --> 02:22:38.240 there have been for decades,

NOTE Confidence: 0.29517084

02:22:38.240 --> 02:22:39.615 there have been family studies

NOTE Confidence: 0.29517084

02:22:39.615 --> 02:22:41.360 kind of looking at how these,

NOTE Confidence: 0.29517084

02:22:41.360 --> 02:22:43.120 how trichotillomania runs in families.

NOTE Confidence: 0.29517084

02:22:43.120 --> 02:22:45.703 Actually Bob King did did some of

NOTE Confidence: 0.29517084

02:22:45.703 --> 02:22:48.435 that work at the Child Study Center

NOTE Confidence: 0.29517084

02:22:48.435 --> 02:22:51.245 and there were a few twin studies

NOTE Confidence: 0.29517084

02:22:51.245 --> 02:22:53.990 as well kind of showing kind of

NOTE Confidence: 0.29517084

02:22:53.990 --> 02:22:56.000 the the role of genetic factors,

NOTE Confidence: 0.29517084

02:22:56.000 --> 02:22:57.516 inheritable factors as well.

NOTE Confidence: 0.29517084

02:22:57.516 --> 02:22:59.790 But I think what was harder

NOTE Confidence: 0.29517084

02:22:59.857 --> 02:23:01.317 for scientists until recently

NOTE Confidence: 0.29517084

02:23:01.317 --> 02:23:04.039 was kind of to find what are

NOTE Confidence: 0.29517084

02:23:04.039 --> 02:23:05.879 specific genetic risk factors.

NOTE Confidence: 0.29517084

02:23:05.880 --> 02:23:07.880 So not just that these run in families

NOTE Confidence: 0.29517084

02:23:07.880 --> 02:23:09.720 and that there's a genetic basis,

NOTE Confidence: 0.89838433

02:23:11.960 --> 02:23:13.240 but that's kind of what

NOTE Confidence: 0.89838433

02:23:13.240 --> 02:23:14.520 we're hoping to do here.

NOTE Confidence: 0.89838433

02:23:14.520 --> 02:23:16.872 And so the work I'm doing is actually

NOTE Confidence: 0.89838433

02:23:16.872 --> 02:23:19.276 the first kind of genome wide approach

NOTE Confidence: 0.89838433

02:23:19.280 --> 02:23:21.848 looking at trichotillomania and kind of

NOTE Confidence: 0.89838433

02:23:21.848 --> 02:23:24.758 building out for some of the successes

NOTE Confidence: 0.89838433

02:23:24.760 --> 02:23:27.679 of what we've done in other childhood

NOTE Confidence: 0.89838433

02:23:27.679 --> 02:23:30.211 psychiatric conditions to try and find

NOTE Confidence: 0.89838433

02:23:30.211 --> 02:23:32.236 those specific genetic risk factors.

NOTE Confidence: 0.89838433

02:23:32.240 --> 02:23:34.080 Because when you think about,

NOTE Confidence: 0.89838433

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02:23:34.080 --> 02:23:35.462 you know, treatment,

NOTE Confidence: 0.89838433

02:23:35.462 --> 02:23:37.630 identifying drugable targets and

NOTE Confidence: 0.89838433

02:23:37.630 --> 02:23:39.798 really understanding the biology,

NOTE Confidence: 0.89838433

02:23:39.800 --> 02:23:41.177 the neuro circuitry,

NOTE Confidence: 0.89838433

02:23:41.177 --> 02:23:44.390 you need to understand what those specific

NOTE Confidence: 0.89838433

02:23:44.468 --> 02:23:47.240 genetic factors are that are involved.

NOTE Confidence: 0.89838433

02:23:47.240 --> 02:23:49.284 So and I guess that kind of

NOTE Confidence: 0.89838433

02:23:49.284 --> 02:23:51.239 leads in to the next question

NOTE Confidence: 0.89838433

02:23:51.239 --> 02:23:53.539 I see in the chat from Larry.

NOTE Confidence: 0.89838433

02:23:53.539 --> 02:23:55.632 And I don't know if I'm the

NOTE Confidence: 0.89838433

02:23:55.632 --> 02:23:57.278 best person to answer this,

NOTE Confidence: 0.89838433

02:23:57.280 --> 02:24:00.479 but I will take a stab of

NOTE Confidence: 0.89838433

02:24:00.480 --> 02:24:02.144 everyone who spoke today.

NOTE Confidence: 0.89838433

02:24:02.144 --> 02:24:02.560 So

NOTE Confidence: 0.8465712

02:24:02.560 --> 02:24:03.560 you know I think

NOTE Confidence: 0.8465712

02:24:04.640 --> 02:24:07.226 in some fields I think the

NOTE Confidence: 0.8465712

02:24:07.226 --> 02:24:09.520 genetics really is getting there.

NOTE Confidence: 0.8465712

02:24:09.520 --> 02:24:11.599 So I think in and we have

NOTE Confidence: 0.8465712

02:24:11.599 --> 02:24:13.080 some experts in autism,

NOTE Confidence: 0.8465712

02:24:13.080 --> 02:24:14.998 so I will let them speak more.

NOTE Confidence: 0.8465712

02:24:15.000 --> 02:24:18.314 But in the field of autism now you know

NOTE Confidence: 0.8465712

02:24:18.314 --> 02:24:20.199 they've done these genetic studies

NOTE Confidence: 0.8465712

02:24:20.199 --> 02:24:22.545 looking at thousands of families and

NOTE Confidence: 0.8465712

02:24:22.545 --> 02:24:24.460 they've actually found these high

NOTE Confidence: 0.8465712

02:24:24.460 --> 02:24:26.996 confidence what we think of as high

NOTE Confidence: 0.8465712

02:24:26.996 --> 02:24:28.360 confidence risk genetic factors.

NOTE Confidence: 0.8465712

02:24:28.360 --> 02:24:30.568 And you can identify these in

NOTE Confidence: 0.8465712

02:24:30.568 --> 02:24:32.528 over kind of 10% of individuals.

NOTE Confidence: 0.8465712

02:24:32.528 --> 02:24:33.748 It's depending on the type

NOTE Confidence: 0.8465712

02:24:33.748 --> 02:24:34.880 of cohort you look at,

NOTE Confidence: 0.8465712

02:24:34.880 --> 02:24:37.130 but it's a pretty significant

NOTE Confidence: 0.8465712

02:24:37.130 --> 02:24:39.816 proportion of kids that you can find

NOTE Confidence: 0.8465712

02:24:39.816 --> 02:24:41.820 kind of a specific genetic risk

NOTE Confidence: 0.8465712

02:24:41.892 --> 02:24:44.280 factor that you know is associated.

NOTE Confidence: 0.8465712

02:24:44.280 --> 02:24:44.800 And

NOTE Confidence: 0.825996

02:24:45.360 --> 02:24:47.958 you know, I think for families,

NOTE Confidence: 0.825996

02:24:49.200 --> 02:24:51.000 you know, knowing why their child

NOTE Confidence: 0.825996

02:24:51.000 --> 02:24:53.200 has a the condition can be really

NOTE Confidence: 0.825996

02:24:53.200 --> 02:24:54.760 helpful depends on the family,

NOTE Confidence: 0.825996

02:24:54.760 --> 02:24:58.496 right, understanding kind of what

NOTE Confidence: 0.825996

02:24:58.496 --> 02:25:01.760 recurrence risk is for other children.

NOTE Confidence: 0.825996

02:25:01.760 --> 02:25:02.880 And some of these genetic

NOTE Confidence: 0.825996

02:25:02.880 --> 02:25:04.520 factors are associated with

NOTE Confidence: 0.825996

02:25:04.520 --> 02:25:06.160 medical comorbidities as well.

NOTE Confidence: 0.825996

02:25:06.160 --> 02:25:07.492 So things like cardiac

NOTE Confidence: 0.825996

02:25:07.492 --> 02:25:09.157 conditions and things like that.

NOTE Confidence: 0.825996

02:25:09.160 --> 02:25:11.960 So I think there are kind of

02:25:11.960 --> 02:25:13.560 implications and right now,

02:25:13.560 --> 02:25:17.055 you know the, I feel like the

02:25:17.055 --> 02:25:18.955 guidelines are rapidly shifting.

02:25:18.960 --> 02:25:22.360 Currently it's recommended by the

02:25:22.360 --> 02:25:25.504 Society of Genetic Counselors that a

02:25:25.504 --> 02:25:28.568 diagnosis of autism you should get a

02:25:28.568 --> 02:25:31.072 kind of do Fragile X testing and get

02:25:31.080 --> 02:25:33.565 a microarray to look for these kind

02:25:33.565 --> 02:25:35.600 of large insertions and deletions.

02:25:35.600 --> 02:25:37.364 But I I think as more and

02:25:37.364 --> 02:25:38.799 more risk genes are found,

02:25:38.800 --> 02:25:41.708 it will be DNA sequencing, right.

02:25:41.708 --> 02:25:43.420 And that's really where

02:25:43.420 --> 02:25:45.240 the field isn't moving.

02:25:45.240 --> 02:25:46.464 And you know,

02:25:46.464 --> 02:25:48.912 I think autism is really ahead

NOTE Confidence: 0.825996

02:25:48.920 --> 02:25:50.440 of kind of other disorders.

NOTE Confidence: 0.825996

02:25:50.440 --> 02:25:53.216 But I think we are going to find

NOTE Confidence: 0.825996

02:25:53.216 --> 02:25:55.124 genetic risk factors and thinking

NOTE Confidence: 0.825996

02:25:55.124 --> 02:25:56.828 about and whether and whether we

NOTE Confidence: 0.825996

02:25:56.828 --> 02:25:58.798 start doing it as clinicians or not,

NOTE Confidence: 0.825996

02:25:58.800 --> 02:26:01.020 people are going to bring our

NOTE Confidence: 0.825996

02:26:01.020 --> 02:26:02.486 genetic results and to us.

NOTE Confidence: 0.825996

02:26:02.486 --> 02:26:04.706 And so we have to think about what to

NOTE Confidence: 0.825996

02:26:04.706 --> 02:26:07.256 do with that and how we can do it to

NOTE Confidence: 0.825996

02:26:07.256 --> 02:26:09.517 help use the information to help families.

NOTE Confidence: 0.825996

02:26:09.520 --> 02:26:11.389 So I think there's a lot of potential there,

NOTE Confidence: 0.825996

02:26:11.389 --> 02:26:13.861 but I think we have to be thoughtful

NOTE Confidence: 0.825996

02:26:13.861 --> 02:26:16.204 and doing the research to find out

NOTE Confidence: 0.825996

02:26:16.204 --> 02:26:18.458 how it can actually help patients

NOTE Confidence: 0.825996

02:26:18.458 --> 02:26:20.240 is really important as well.

NOTE Confidence: 0.825996

02:26:20.240 --> 02:26:21.920 But if others want to add on

NOTE Confidence: 0.825996

02:26:21.920 --> 02:26:23.519 to those thoughts, please,

NOTE Confidence: 0.825996

02:26:23.520 --> 02:26:24.399 please do share.

NOTE Confidence: 0.825996

02:26:25.080 --> 02:26:26.560 Thank you

NOTE Confidence: 0.6075196

02:26:26.560 --> 02:26:28.912 something very much, much,

NOTE Confidence: 0.6075196

02:26:28.912 --> 02:26:30.676 much less sophisticated.

NOTE Confidence: 0.6075196

02:26:30.680 --> 02:26:31.511 You know, Emily,

NOTE Confidence: 0.6075196

02:26:31.511 --> 02:26:33.173 what you talked about is like

NOTE Confidence: 0.6075196

02:26:33.173 --> 02:26:34.719 insightful and about best practices,

NOTE Confidence: 0.6075196

02:26:34.720 --> 02:26:36.435 but in even a more simple way.

NOTE Confidence: 0.6075196

02:26:36.440 --> 02:26:37.798 And I think one of you maybe

NOTE Confidence: 0.6075196

02:26:37.800 --> 02:26:39.890 Ellie said this, you know,

NOTE Confidence: 0.6075196

02:26:39.890 --> 02:26:42.080 being a clinician inspires our science.

NOTE Confidence: 0.6075196

02:26:42.080 --> 02:26:43.560 It helps us ask the questions that are

NOTE Confidence: 0.6075196

02:26:43.560 --> 02:26:44.992 going to be important to the families

NOTE Confidence: 0.6075196

02:26:44.992 --> 02:26:46.753 and the people who are affected by it.

NOTE Confidence: 0.6075196

02:26:46.753 --> 02:26:47.918 And with that in mind,

NOTE Confidence: 0.6075196

02:26:47.920 --> 02:26:49.280 I also think, you know,

NOTE Confidence: 0.6075196

02:26:49.280 --> 02:26:52.572 aside from knowing you know,

NOTE Confidence: 0.6075196

02:26:52.572 --> 02:26:54.944 which which gene might potentially

NOTE Confidence: 0.6075196

02:26:54.944 --> 02:26:57.074 be involved in this kid,

NOTE Confidence: 0.6075196

02:26:57.080 --> 02:26:57.692 as a scientist,

NOTE Confidence: 0.6075196

02:26:57.692 --> 02:27:00.215 I think I'm going to do a better job helping

NOTE Confidence: 0.6075196

02:27:00.215 --> 02:27:01.955 the parents understand what happened,

NOTE Confidence: 0.6075196

02:27:01.960 --> 02:27:03.760 what's happening with their kid

NOTE Confidence: 0.6075196

02:27:03.760 --> 02:27:05.200 and answering their questions.

NOTE Confidence: 0.6075196

02:27:05.200 --> 02:27:06.520 And so I just think the,

NOTE Confidence: 0.6075196

02:27:06.520 --> 02:27:08.254 the model that we all apply

NOTE Confidence: 0.6075196

02:27:08.254 --> 02:27:09.832 where we're both clinicians and

NOTE Confidence: 0.6075196

02:27:09.832 --> 02:27:11.598 scientists just lets us do both.

NOTE Confidence: 0.6075196

02:27:11.598 --> 02:27:13.434 We're both had so much better.

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NOTE Confidence: 0.6987481

02:27:14.320 --> 02:27:15.880 Thank you, Jamie.

NOTE Confidence: 0.6987481

02:27:15.880 --> 02:27:17.458 Well, thanks to everyone and thanks

NOTE Confidence: 0.6987481

02:27:17.458 --> 02:27:19.638 to all of you for staying with us.

NOTE Confidence: 0.6987481

02:27:19.640 --> 02:27:22.139 And we're still very open to questions

NOTE Confidence: 0.6987481

02:27:22.139 --> 02:27:24.638 if you want to send them to us.

NOTE Confidence: 0.6987481

02:27:24.640 --> 02:27:26.350 I know, I know there's already

NOTE Confidence: 0.6987481

02:27:26.350 --> 02:27:28.168 a few questions that have been

NOTE Confidence: 0.6987481

02:27:28.168 --> 02:27:29.848 going to the individual panelists,

NOTE Confidence: 0.6987481

02:27:29.848 --> 02:27:31.192 which is great.

NOTE Confidence: 0.6987481

02:27:31.192 --> 02:27:33.880 Please do check out the posters

NOTE Confidence: 0.6987481

02:27:33.880 --> 02:27:35.800 and the talks that are online.

NOTE Confidence: 0.6987481

02:27:35.800 --> 02:27:37.440 Thank you again for all of your time.

NOTE Confidence: 0.6987481

02:27:37.440 --> 02:27:39.456 We really, really appreciate your attention

NOTE Confidence: 0.6987481

02:27:39.456 --> 02:27:41.759 and we look forward to your feedback.

NOTE Confidence: 0.6987481

02:27:41.760 --> 02:27:44.118 And please join into breakout rooms.

NOTE Confidence: 0.6987481

02:27:44.120 --> 02:27:45.596 We hope you had good discussions.