WEBVTT

00:00:00.000 --> 00:00:02.502 So welcome everyone in case you're

00:00:02.502 --> 00:00:05.386 not familiar with this new way of

00:00:05.386 --> 00:00:07.281 doing business, it's called Zoom.

00:00:07.281 --> 00:00:10.730 I'm going to spell it for you at Zo Om.

00:00:10.730 --> 00:00:14.279 In case you haven't heard of it.

00:00:14.280 --> 00:00:16.541 And it's I think the first time

00:00:16.541 --> 00:00:18.294 that we're doing our actual

00:00:18.294 --> 00:00:20.418 grand rounds in zoom we've had.

00:00:20.420 --> 00:00:22.320 We had Linda's introduction.

00:00:22.320 --> 00:00:25.295 Last week, and we certainly had a

00:00:25.295 --> 00:00:27.859 series of presentations and some very

00:00:27.859 --> 00:00:30.601 moving presentations on race and race

00:00:30.601 --> 00:00:33.229 related issues over the late summer,

00:00:33.230 --> 00:00:35.624 but this is really the formal

NOTE Confidence: 0.84869486

00:00:35.624 --> 00:00:38.420 kickoff of our grand rounds series.

NOTE Confidence: 0.84869486

00:00:38.420 --> 00:00:41.129 For those of you who are new

NOTE Confidence: 0.84869486

00:00:41.129 --> 00:00:43.619 to the Child study Center,

NOTE Confidence: 0.84869486

00:00:43.620 --> 00:00:46.902 just a reminder that grand rounds

NOTE Confidence: 0.84869486

00:00:46.902 --> 00:00:49.876 happens every Tuesday from one to

NOTE Confidence: 0.84869486

00:00:49.876 --> 00:00:52.644 two and we try very hard to be.

NOTE Confidence: 0.84869486

00:00:52.650 --> 00:00:56.498 Very broad and what we aim to do.

NOTE Confidence: 0.84869486

00:00:56.500 --> 00:00:59.380 We go from science to policy,

NOTE Confidence: 0.84869486

00:00:59.380 --> 00:01:01.304 from neurons to neighborhoods,

NOTE Confidence: 0.84869486

00:01:01.304 --> 00:01:03.228 from interneuronal to extragalactic,

NOTE Confidence: 0.84869486

00:01:03.230 --> 00:01:06.210 and every point in between.

NOTE Confidence: 0.84869486

00:01:06.210 --> 00:01:08.424 Because we really want to reflect

NOTE Confidence: 0.84869486

00:01:08.424 --> 00:01:11.081 the the deep bench and the broad

NOTE Confidence: 0.84869486

00:01:11.081 --> 00:01:13.295 richness of the child study center

NOTE Confidence: 0.84869486

00:01:13.295 --> 00:01:16.006 and not just the child study center,

NOTE Confidence: 0.84869486

00:01:16.010 --> 00:01:18.740 we're also going to have occasionally

NOTE Confidence: 0.84869486

00:01:18.740 --> 00:01:20.940 visitors from near and far.

NOTE Confidence: 0.84869486

00:01:20.940 --> 00:01:23.742 But it's only appropriate that we

NOTE Confidence: 0.84869486

00:01:23.742 --> 00:01:27.198 start with our very own prodigal Son.

NOTE Confidence: 0.84869486

00:01:27.200 --> 00:01:30.881 Who I knew as a young child when she

NOTE Confidence: 0.84869486

00:01:30.881 --> 00:01:33.707 arrived here and now look at him.

NOTE Confidence: 0.84869486

00:01:33.710 --> 00:01:36.419 So Dennis and I arrive more or

NOTE Confidence: 0.84869486

00:01:36.419 --> 00:01:38.599 less at the same time,

NOTE Confidence: 0.84869486

00:01:38.600 --> 00:01:41.071 and it has been just wonderful to

NOTE Confidence: 0.84869486

00:01:41.071 --> 00:01:43.153 see Dennis who dulski's career

NOTE Confidence: 0.84869486

00:01:43.153 --> 00:01:45.518 blossom in an incredible way.

NOTE Confidence: 0.84869486

00:01:45.520 --> 00:01:49.070 We're very fortunate that Dennis.

NOTE Confidence: 0.84869486

00:01:49.070 --> 00:01:51.218 It's not fortunate for Saint Petersburg,

NOTE Confidence: 0.84869486

00:01:51.220 --> 00:01:53.432 but it's very fortunate for us that

NOTE Confidence: 0.84869486

00:01:53.432 --> 00:01:55.868 he left his native St Petersberg.

NOTE Confidence: 0.84869486

00:01:55.870 --> 00:01:58.594 He's been here enough for many

NOTE Confidence: 0.84869486

00:01:58.594 --> 00:02:00.410 years and Dennis says.

NOTE Confidence: 0.84869486

00:02:00.410 --> 00:02:02.650 Really the go to person for so

NOTE Confidence: 0.84869486

00:02:02.650 --> 00:02:05.529 many of us when we get stuck on

NOTE Confidence: 0.84869486

00:02:05.529 --> 00:02:07.760 anything having to do with CBT.

NOTE Confidence: 0.84869486

00:02:07.760 --> 00:02:10.712 We all claim to do CBT or all wannabe

NOTE Confidence: 0.84869486

00:02:10.712 --> 00:02:14.078 CBT sites. But the high priest.

NOTE Confidence: 0.84869486

00:02:14.080 --> 00:02:15.820 Is Dennis, you know?

NOTE Confidence: 0.84869486

00:02:15.820 --> 00:02:18.430 Dennis really sets the bar for

NOTE Confidence: 0.84869486

00:02:18.523 --> 00:02:19.887 how CBT is done,

NOTE Confidence: 0.84869486

00:02:19.890 --> 00:02:22.865 what the best practices are with the

NOTE Confidence: 0.84869486

00:02:22.865 --> 00:02:25.366 most innovative angles of CPR and

NOTE Confidence: 0.84869486

00:02:25.366 --> 00:02:27.276 and Dennis is incredibly generous

NOTE Confidence: 0.84869486

00:02:27.276 --> 00:02:29.850 with his time with his knowledge.

NOTE Confidence: 0.84869486

00:02:29.850 --> 00:02:33.170 Just looking at the faces around the screen,

NOTE Confidence: 0.84869486

00:02:33.170 --> 00:02:36.075 I know that so many of us

NOTE Confidence: 0.84869486

00:02:36.075 --> 00:02:37.320 myself certainly included,

NOTE Confidence: 0.84869486

00:02:37.320 --> 00:02:39.395 have been educated and moved

NOTE Confidence: 0.84869486

00:02:39.395 --> 00:02:41.055 and touched by Dennis,

NOTE Confidence: 0.84869486

00:02:41.060 --> 00:02:44.126 who is not only an incredible researcher.

NOTE Confidence: 0.84869486

00:02:44.130 --> 00:02:45.774 As you will see,

NOTE Confidence: 0.84869486

00:02:45.774 --> 00:02:47.418 but a wonderful communicator,

NOTE Confidence: 0.84869486

00:02:47.420 --> 00:02:50.367 he's able to breakdown very complex concepts

NOTE Confidence: 0.84869486

00:02:50.367 --> 00:02:52.758 into something that looks so simple.

NOTE Confidence: 0.84869486

00:02:52.760 --> 00:02:54.820 It looks cartoon like simple,

NOTE Confidence: 0.84869486

00:02:54.820 --> 00:02:58.103 because when he does it, it's very simple,

NOTE Confidence: 0.84869486

00:02:58.103 --> 00:03:00.569 but it it ain't so simple.

NOTE Confidence: 0.84869486

00:03:00.570 --> 00:03:03.162 But he's going to break it for us

NOTE Confidence: 0.84869486

00:03:03.162 --> 00:03:05.383 and Dennis were absolutely delighted

NOTE Confidence: 0.84869486

00:03:05.383 --> 00:03:08.377 that you're the Child study center.

NOTE Confidence: 0.84869486

00:03:08.380 --> 00:03:10.435 You have changed your citizenship

NOTE Confidence: 0.84869486

00:03:10.435 --> 00:03:12.490 from Saint Petersburg to Woodbridge.

NOTE Confidence: 0.84869486

00:03:12.490 --> 00:03:15.028 We are very happy about that.

NOTE Confidence: 0.84869486

00:03:15.030 --> 00:03:17.270 And it's a pleasure to have you here,

NOTE Confidence: 0.84869486

00:03:17.270 --> 00:03:19.510 so take it away, my dear friend Dennis.

NOTE Confidence: 0.84869486

00:03:19.510 --> 00:03:21.439 Go for it.

NOTE Confidence: 0.84869486

00:03:21.440 --> 00:03:21.850 Thank

NOTE Confidence: 0.85532

00:03:21.850 --> 00:03:24.811 you, thank you for the introduction and

NOTE Confidence: 0.85532

00:03:24.811 --> 00:03:28.360 rest and thank you so much for inviting me.

NOTE Confidence: 0.85532

00:03:28.360 --> 00:03:30.802 It's an honor to start this

NOTE Confidence: 0.85532

00:03:30.802 --> 00:03:32.430 year's ground round serious,

NOTE Confidence: 0.85532

00:03:32.430 --> 00:03:34.746 and this is a topic that's

NOTE Confidence: 0.85532

00:03:34.746 --> 00:03:37.309 very dear to my heart CBT.

NOTE Confidence: 0.85532

00:03:37.310 --> 00:03:39.907 So I I think I like being

NOTE Confidence: 0.85532

00:03:39.907 --> 00:03:41.790 called a high priest.

NOTE Confidence: 0.82409436

00:03:45.580 --> 00:03:50.438 And certainly will will use this designation.

NOTE Confidence: 0.82409436

00:03:50.440 --> 00:03:53.290 The topic. Of pediatric irritability and

NOTE Confidence: 0.82409436

6

00:03:53.290 --> 00:03:56.285 kind of predates our current political

NOTE Confidence: 0.82409436

00:03:56.285 --> 00:03:59.827 situation and all this social issues that

NOTE Confidence: 0.82409436

00:03:59.827 --> 00:04:02.848 we're going through, so my research.

NOTE Confidence: 0.8293323

00:04:07.950 --> 00:04:10.265 My research on pediatric irritability

NOTE Confidence: 0.8293323

00:04:10.265 --> 00:04:13.981 started some time ago when I arrived as a

NOTE Confidence: 0.8293323

00:04:13.981 --> 00:04:16.560 postdoc here at the Child Study Center,

NOTE Confidence: 0.8293323

00:04:16.560 --> 00:04:19.050 and today I will summarize some

NOTE Confidence: 0.8293323

00:04:19.050 --> 00:04:22.299 of this work in 45 minutes or so,

NOTE Confidence: 0.8293323

00:04:22.300 --> 00:04:25.835 hoping to save some time for questions.

NOTE Confidence: 0.8293323

00:04:25.840 --> 00:04:27.730 I won't be able to see comma

NOTE Confidence: 0.8293323

00:04:27.730 --> 00:04:29.459 and so somebody has questions.

NOTE Confidence: 0.8293323

00:04:29.460 --> 00:04:33.020 Please save them to the end or send them to

NOTE Confidence: 0.8293323

00:04:33.106 --> 00:04:36.418 the group and we'll circle back to them.

NOTE Confidence: 0.8293323

00:04:36.420 --> 00:04:39.570 So the goals for me today is to talk

NOTE Confidence: 0.8293323

00:04:39.570 --> 00:04:41.606 about clinical characterization

NOTE Confidence: 0.8293323

00:04:41.606 --> 00:04:44.006 and diagnostic issues,

NOTE Confidence: 0.8293323

00:04:44.010 --> 00:04:45.528 and pediatric irritability.

NOTE Confidence: 0.8293323

00:04:45.528 --> 00:04:46.540 Discuss CBT,

NOTE Confidence: 0.8293323

00:04:46.540 --> 00:04:48.875 which stands for Cognitive behavioral

NOTE Confidence: 0.8293323

00:04:48.875 --> 00:04:51.819 therapy and in children with irritability

NOTE Confidence: 0.8293323

00:04:51.819 --> 00:04:53.967 across diagnostic categories and

NOTE Confidence: 0.8293323

00:04:53.967 --> 00:04:56.652 with specific focus on autism.

NOTE Confidence: 0.8293323

00:04:56.660 --> 00:05:00.460 I will also say a few words about

NOTE Confidence: 0.8293323

00:05:00.460 --> 00:05:03.649 neuroimaging research that we have been

NOTE Confidence: 0.8293323

00:05:03.649 --> 00:05:06.865 conducted to understand brain mechanisms of.

NOTE Confidence: 0.8293323

00:05:06.870 --> 00:05:08.295 Irritability and biomarkers

NOTE Confidence: 0.8293323

00:05:08.295 --> 00:05:09.720 of treatment response.

NOTE Confidence: 0.8293323

00:05:09.720 --> 00:05:13.045 And Lastly I will tell you about

NOTE Confidence: 0.8293323

00:05:13.045 --> 00:05:14.470 our research studies.

NOTE Confidence: 0.8293323

00:05:14.470 --> 00:05:17.398 Some of those studies have been

NOTE Confidence: 0.8293323

00:05:17.398 --> 00:05:19.921 completed recently and others have

NOTE Confidence: 0.8293323

00:05:19.921 --> 00:05:22.361 been conducted through the COVID-19

NOTE Confidence: 0.8293323

00:05:22.361 --> 00:05:25.261 pandemic and we have really learned

NOTE Confidence: 0.8293323

00:05:25.261 --> 00:05:28.285 a great deal during the past six

NOTE Confidence: 0.8293323

00:05:28.285 --> 00:05:31.535 months about how to run clinical

NOTE Confidence: 0.8293323

00:05:31.535 --> 00:05:33.787 trials in our circumstances.

NOTE Confidence: 0.8293323

00:05:33.790 --> 00:05:36.806 So we're fortunate to be funded by NIH

NOTE Confidence: 0.8293323

00:05:36.806 --> 00:05:38.800 Simons Foundation and most recently

NOTE Confidence: 0.8293323

00:05:38.800 --> 00:05:40.750 by the DoD congressional director

NOTE Confidence: 0.8293323

00:05:40.750 --> 00:05:43.289 at the Medical Research Program,

NOTE Confidence: 0.8293323

00:05:43.290 --> 00:05:45.922 and this is a newer study that

NOTE Confidence: 0.8293323

00:05:45.922 --> 00:05:49.067 we will be starting any day now.

NOTE Confidence: 0.8626518

00:05:53.500 --> 00:05:56.068 I like to start with definitions

NOTE Confidence: 0.8626518

00:05:56.068 --> 00:05:58.305 because English is my second

NOTE Confidence: 0.8626518

00:05:58.305 --> 00:06:00.485 language and I am sometimes

NOTE Confidence: 0.8626518

00:06:00.485 --> 00:06:03.269 confused by what are those terms.

NOTE Confidence: 0.8626518

00:06:03.270 --> 00:06:05.490 What did this terms mean?

NOTE Confidence: 0.8626518

00:06:05.490 --> 00:06:08.458 Irritability was referred to.

NOTE Confidence: 0.8626518

00:06:08.460 --> 00:06:11.168 As the moon as.

NOTE Confidence: 0.8626518

00:06:11.170 --> 00:06:13.324 Behavior and personality

NOTE Confidence: 0.8626518

00:06:13.324 --> 00:06:16.196 characteristic the most latest.

NOTE Confidence: 0.8626518

00:06:16.200 --> 00:06:18.610 Definition is from Ellen Liban,

NOTE Confidence: 0.8626518

00:06:18.610 --> 00:06:21.466 left an I think it has been accepted

NOTE Confidence: 0.8626518

00:06:21.466 --> 00:06:24.399 by the majority of research is

NOTE Confidence: 0.8626518

00:06:24.399 --> 00:06:27.059 that irritability refers to as

NOTE Confidence: 0.8626518

00:06:27.059 --> 00:06:29.315 increased tendency to experience

NOTE Confidence: 0.8626518

00:06:29.315 --> 00:06:32.585 and express anger relative to peers.

NOTE Confidence: 0.8626518

00:06:32.590 --> 00:06:35.000 And now what is anger?

NOTE Confidence: 0.8626518

00:06:35.000 --> 00:06:36.096 In fact,

NOTE Confidence: 0.8626518

00:06:36.096 --> 00:06:38.836 my research started in general

NOTE Confidence: 0.8626518

00:06:38.836 --> 00:06:40.981 psychological research of anger

NOTE Confidence: 0.8626518

00:06:40.981 --> 00:06:43.872 is a human emotion and anger can

NOTE Confidence: 0.8626518

00:06:43.872 --> 00:06:46.389 be defined as emotional state.

NOTE Confidence: 0.8626518

00:06:46.390 --> 00:06:48.448 Something that will feel and this

NOTE Confidence: 0.8626518

00:06:48.448 --> 00:06:50.470 emotional state varies in intensity,

NOTE Confidence: 0.8626518

00:06:50.470 --> 00:06:52.890 from mild annoyance to rage.

NOTE Confidence: 0.8626518

00:06:52.890 --> 00:06:55.256 And one of the reasons we study

NOTE Confidence: 0.8626518

00:06:55.256 --> 00:06:56.775 anger in clinical populations

NOTE Confidence: 0.8626518

00:06:56.775 --> 00:06:58.915 because anger is presumed to

NOTE Confidence: 0.8626518

00:06:58.915 --> 00:07:01.242 have this tendency to increase

NOTE Confidence: 0.8626518

00:07:01.242 --> 00:07:03.398 our propensity for aggression.

NOTE Confidence: 0.8626518

00:07:03.400 --> 00:07:05.320 And So what is aggression?

NOTE Confidence: 0.8626518

00:07:05.320 --> 00:07:07.714 So aggression is a behavior and

NOTE Confidence: 0.8626518

00:07:07.714 --> 00:07:09.949 behavior is something you can see,

NOTE Confidence: 0.8626518

00:07:09.950 --> 00:07:12.668 so this is observable behavior which

NOTE Confidence: 0.8626518

00:07:12.668 --> 00:07:16.050 can result in harm to self or others.

NOTE Confidence: 0.8626518

00:07:16.050 --> 00:07:18.294 And reactive aggression is often viewed

NOTE Confidence: 0.8626518

00:07:18.294 --> 00:07:20.889 as an extreme form of irritability,

NOTE Confidence: 0.8626518

00:07:20.890 --> 00:07:22.905 so this is how irritability

NOTE Confidence: 0.8626518

00:07:22.905 --> 00:07:24.920 connects with anger and aggression.

NOTE Confidence: 0.8626518

00:07:24.920 --> 00:07:26.930 At least in my mind.

NOTE Confidence: 0.84540844

00:07:31.870 --> 00:07:34.108 So when we think about anger

NOTE Confidence: 0.84540844

00:07:34.108 --> 00:07:35.227 and typical development,

NOTE Confidence: 0.84540844

00:07:35.230 --> 00:07:37.834 so this is a common human emotion.

NOTE Confidence: 0.84540844

00:07:37.840 --> 00:07:39.976 In fact, some people were saying

NOTE Confidence: 0.84540844

00:07:39.976 --> 00:07:42.309 that it is the most human,

NOTE Confidence: 0.84540844

00:07:42.310 --> 00:07:44.180 the most common human emotion.

NOTE Confidence: 0.84540844

00:07:44.180 --> 00:07:47.078 So if you think about when the last time

NOTE Confidence: 0.84540844

00:07:47.078 --> 00:07:50.098 you were genuinely happy and when was the

NOTE Confidence: 0.84540844

00:07:50.098 --> 00:07:53.133 last time you were mildly annoyed, right?

NOTE Confidence: 0.84540844

00:07:53.133 --> 00:07:54.998 So anger happens quite often.

NOTE Confidence: 0.84540844

00:07:55.000 --> 00:07:57.172 It signals to us that something

NOTE Confidence: 0.84540844

00:07:57.172 --> 00:07:59.939 is not right in our environment.

NOTE Confidence: 0.84540844

00:07:59.940 --> 00:08:01.197 In an average,

NOTE Confidence: 0.84540844

00:08:01.197 --> 00:08:03.711 people feel angry anywhere or report

NOTE Confidence: 0.84540844

00:08:03.711 --> 00:08:05.561 feeling angry anywhere from one

NOTE Confidence: 0.84540844

00:08:05.561 --> 00:08:08.319 time per day to one time per week,

NOTE Confidence: 0.84540844

00:08:08.320 --> 00:08:10.165 it ranges in intensity from

NOTE Confidence: 0.84540844

00:08:10.165 --> 00:08:12.010 barely noticeable to all consuming

NOTE Confidence: 0.84540844

00:08:12.074 --> 00:08:14.039 duration of anger episodes again,

NOTE Confidence: 0.84540844

00:08:14.040 --> 00:08:15.940 on average, lasts from anywhere,

NOTE Confidence: 0.84540844

00:08:15.940 --> 00:08:18.226 anywhere from 5 to 30 minutes,

NOTE Confidence: 0.84540844

00:08:18.230 --> 00:08:20.135 and it is associated with

NOTE Confidence: 0.84540844

00:08:20.135 --> 00:08:20.897 physiological responses,

NOTE Confidence: 0.84540844

00:08:20.900 --> 00:08:23.186 such as arousal of feeling hot

NOTE Confidence: 0.84540844

00:08:23.186 --> 00:08:24.710 and thoughts of retribution.

NOTE Confidence: 0.84540844

00:08:24.710 --> 00:08:25.091 Oftentimes,

NOTE Confidence: 0.84540844

00:08:25.091 --> 00:08:28.520 we might compose an angry email in our head,

NOTE Confidence: 0.84540844

00:08:28.520 --> 00:08:30.896 but then don't really have the.

NOTE Confidence: 0.84540844

00:08:30.900 --> 00:08:32.532 Energy of time.

NOTE Confidence: 0.84540844

00:08:32.532 --> 00:08:34.708 Motivation to write it.

NOTE Confidence: 0.84540844

00:08:34.710 --> 00:08:38.035 And anger is not a new topic.

NOTE Confidence: 0.84540844

00:08:38.040 --> 00:08:39.624 In fact,

NOTE Confidence: 0.84540844

00:08:39.624 --> 00:08:42.000 this diagram shows.

NOTE Confidence: 0.84540844

00:08:42.000 --> 00:08:45.318 The figure that I like from Florence

NOTE Confidence: 0.84540844

00:08:45.318 --> 00:08:47.936 Goodenough in 1931 Florence Goodenough

NOTE Confidence: 0.84540844

00:08:47.936 --> 00:08:51.800 published a book about anger in children

NOTE Confidence: 0.84540844

00:08:51.800 --> 00:08:54.768 and use another racial message.

NOTE Confidence: 0.84540844

00:08:54.770 --> 00:08:57.470 She demonstrated that.

NOTE Confidence: 0.84540844

00:08:57.470 --> 00:09:00.375 Anger spikes in its frequency in two

NOTE Confidence: 0.84540844

00:09:00.375 --> 00:09:04.119 year olds and after that it tends to

NOTE Confidence: 0.84540844

00:09:04.119 --> 00:09:06.529 decrease in frequency and duration.

NOTE Confidence: 0.84540844

00:09:06.530 --> 00:09:09.780 So how about child psychiatrist?

NOTE Confidence: 0.84540844

00:09:09.780 --> 00:09:12.220 He worked ability is a

NOTE Confidence: 0.84540844

00:09:12.220 --> 00:09:14.172 symptom of several disorders.

NOTE Confidence: 0.84540844

00:09:14.180 --> 00:09:16.625 Oppositional defiant disorder is diagnosed

NOTE Confidence: 0.84540844

00:09:16.625 --> 00:09:19.070 based on symptoms of irritability,

NOTE Confidence: 0.84540844

00:09:19.070 --> 00:09:21.022 such as temper tantrums,

NOTE Confidence: 0.84540844

00:09:21.022 --> 00:09:22.974 being angry and resentful,

NOTE Confidence: 0.84540844

00:09:22.980 --> 00:09:25.020 and becoming easily annoyed.

NOTE Confidence: 0.84540844

00:09:25.020 --> 00:09:27.060 Conduct disorder includes symptoms

NOTE Confidence: 0.84540844

00:09:27.060 --> 00:09:29.482 of aggressive behavior amongst other

NOTE Confidence: 0.84540844

00:09:29.482 --> 00:09:32.274 symptoms of rule, violation to syphilis,

NOTE Confidence: 0.84540844

00:09:32.274 --> 00:09:34.226 theft and property destruction.

NOTE Confidence: 0.84540844

00:09:34.230 --> 00:09:37.583 DSM Five has a new disorder called

NOTE Confidence: 0.84540844

00:09:37.583 --> 00:09:39.770 Disruptive Mood dysregulation disorder.

NOTE Confidence: 0.84540844

00:09:39.770 --> 00:09:42.362 It is diagnosed based on severe

NOTE Confidence: 0.84540844

00:09:42.362 --> 00:09:44.090 and frequent temper tantrums.

NOTE Confidence: 0.84540844

00:09:44.090 --> 00:09:46.250 So what's frequent three times

NOTE Confidence: 0.84540844

00:09:46.250 --> 00:09:47.978 per week or more?

NOTE Confidence: 0.84540844

00:09:47.980 --> 00:09:48.844 What severe?

NOTE Confidence: 0.84540844

00:09:48.844 --> 00:09:52.300 So those are temper tantrums that are much,

NOTE Confidence: 0.84540844

00:09:52.300 --> 00:09:52.876 much,

NOTE Confidence: 0.84540844

00:09:52.876 --> 00:09:53.452 much,

NOTE Confidence: 0.84540844

00:09:53.452 --> 00:09:56.332 much more intense and protracted

NOTE Confidence: 0.84540844

00:09:56.332 --> 00:10:00.687 than on in a child of the same age.

NOTE Confidence: 0.84540844

00:10:00.690 --> 00:10:03.110 Irritability is also an associated

NOTE Confidence: 0.84540844

00:10:03.110 --> 00:10:06.426 feature of modern anxiety disorder and a

NOTE Confidence: 0.84540844

00:10:06.426 --> 00:10:08.898 frequent problem in children with autism.

NOTE Confidence: 0.84540844

00:10:08.900 --> 00:10:09.810 In fact,

NOTE Confidence: 0.84540844

00:10:09.810 --> 00:10:11.630 in children with autism,

NOTE Confidence: 0.84540844

00:10:11.630 --> 00:10:13.454 irritability was studied for

NOTE Confidence: 0.84540844

00:10:13.454 --> 00:10:15.734 good 30 or 40 years,

NOTE Confidence: 0.84540844

00:10:15.740 --> 00:10:18.430 and most clinical trials of

NOTE Confidence: 0.84540844

00:10:18.430 --> 00:10:20.582 medication management of irritability

NOTE Confidence: 0.84540844

00:10:20.582 --> 00:10:22.853 symptoms was conducted in children

NOTE Confidence: 0.84540844

00:10:22.853 --> 00:10:25.337 with or doesn't by including by

NOTE Confidence: 0.84540844

00:10:25.418 --> 00:10:27.418 people like my mentor Leresche

NOTE Confidence: 0.84540844

00:10:27.418 --> 00:10:31.380 here at Yale Child Study Center.

NOTE Confidence: 0.84540844

00:10:31.380 --> 00:10:34.548 So why bother with treating irritability

NOTE Confidence: 0.84540844

00:10:34.548 --> 00:10:36.660 and associated disruptive behaviors?

NOTE Confidence: 0.84540844

00:10:36.660 --> 00:10:38.704 Because those behaviors really

NOTE Confidence: 0.84540844

00:10:38.704 --> 00:10:40.237 caused tremendous problems

NOTE Confidence: 0.84540844

00:10:40.237 --> 00:10:42.470 for children and families.

NOTE Confidence: 0.84540844

00:10:42.470 --> 00:10:45.110 Those behaviors interfere with education,

NOTE Confidence: 0.84540844

00:10:45.110 --> 00:10:48.799 pose, risk of injury, and property damage.

NOTE Confidence: 0.84540844

00:10:48.800 --> 00:10:50.884 Do real development children

NOTE Confidence: 0.84540844

00:10:50.884 --> 00:10:53.489 get expelled from schools and

NOTE Confidence: 0.84540844

00:10:53.489 --> 00:10:55.670 really constitute the major

NOTE Confidence: 0.84540844

00:10:55.670 --> 00:10:57.774 reason for mental health?

NOTE Confidence: 0.84540844

00:10:57.780 --> 00:11:00.540 Referral to both outpatient and.

17

NOTE Confidence: 0.84540844

00:11:00.540 --> 00:11:01.730 Inpatient services.

NOTE Confidence: 0.82934666

00:11:03.820 --> 00:11:07.019 And of course, when we talk about

NOTE Confidence: 0.82934666

00:11:07.019 --> 00:11:08.390 treatments for irritability,

NOTE Confidence: 0.82934666

00:11:08.390 --> 00:11:11.120 we want to consider mechanisms and this

NOTE Confidence: 0.82934666

00:11:11.120 --> 00:11:14.329 is a field of considerable research.

NOTE Confidence: 0.82934666

00:11:14.330 --> 00:11:17.066 So here are just summarized them.

NOTE Confidence: 0.82934666

00:11:17.070 --> 00:11:20.250 Several categories that we have been

NOTE Confidence: 0.82934666

00:11:20.250 --> 00:11:23.847 thinking about and then you can sort of

NOTE Confidence: 0.82934666

00:11:23.847 --> 00:11:27.106 like blow up any one of those bullet

NOTE Confidence: 0.82934666

00:11:27.106 --> 00:11:30.956 points into huge number of nuanced details.

NOTE Confidence: 0.82934666

00:11:30.960 --> 00:11:33.140 But family and parenting factors

NOTE Confidence: 0.82934666

00:11:33.140 --> 00:11:35.901 have been studied and connected to

NOTE Confidence: 0.82934666

00:11:35.901 --> 00:11:37.921 treatment interventions and this

NOTE Confidence: 0.82934666

00:11:37.921 --> 00:11:39.941 include helping families manage

NOTE Confidence: 0.82934666

00:11:39.941 --> 00:11:42.969 stress and helping parents to be more

NOTE Confidence: 0.82934666

00:11:42.969 --> 00:11:45.029 consistent in their parenting practices.

NOTE Confidence: 0.82934666

00:11:45.029 --> 00:11:47.543 Social cognitive deficits such as hostile

NOTE Confidence: 0.82934666

00:11:47.543 --> 00:11:50.069 Attribution bias and poor decision-making.

NOTE Confidence: 0.82934666

00:11:50.070 --> 00:11:52.345 Emotion regulation deficits such as

NOTE Confidence: 0.82934666

00:11:52.345 --> 00:11:54.577 low frustration, tolerance, and anger.

NOTE Confidence: 0.82934666

00:11:54.577 --> 00:11:56.772 Emanation in your cognitive forces

NOTE Confidence: 0.82934666

00:11:56.772 --> 00:11:59.917 is so just response and condition

NOTE Confidence: 0.82934666

00:11:59.917 --> 00:12:01.558 and cognitive flexibility.

NOTE Confidence: 0.82934666

00:12:01.560 --> 00:12:03.680 And vulnerabilities in your system.

NOTE Confidence: 0.82934666

00:12:03.680 --> 00:12:06.634 Such a threat forces and reward system.

NOTE Confidence: 0.84893817

00:12:10.140 --> 00:12:12.858 So what are the treatment options?

NOTE Confidence: 0.84893817

00:12:12.860 --> 00:12:14.225 There is psychopharmacology

NOTE Confidence: 0.84893817

00:12:14.225 --> 00:12:15.590 and behavioral therapy.

NOTE Confidence: 0.84893817

00:12:15.590 --> 00:12:17.855 There are two major classes

NOTE Confidence: 0.84893817

00:12:17.855 --> 00:12:19.214 of psychiatric medications.

NOTE Confidence: 0.84893817

00:12:19.220 --> 00:12:21.024 Stimulant medications have been

NOTE Confidence: 0.84893817

00:12:21.024 --> 00:12:22.828 studied quite extensively for

NOTE Confidence: 0.84893817

00:12:22.828 --> 00:12:25.119 irritability and aggression in children.

NOTE Confidence: 0.84893817

00:12:25.120 --> 00:12:27.390 In context of ADHD, right?

NOTE Confidence: 0.84893817

00:12:27.390 --> 00:12:30.550 So the primary diagnosis is ADHD and this

NOTE Confidence: 0.84893817

00:12:30.550 --> 00:12:33.288 is associated with disruptive behaviors.

NOTE Confidence: 0.84893817

00:12:33.290 --> 00:12:35.306 So then stimulus medications

NOTE Confidence: 0.84893817

00:12:35.306 --> 00:12:37.826 have been shown to help.

NOTE Confidence: 0.84893817

00:12:37.830 --> 00:12:40.842 And novel anti psychotics such as

NOTE Confidence: 0.84893817

00:12:40.842 --> 00:12:43.432 risperidone and Abilify have been

NOTE Confidence: 0.84893817

00:12:43.432 --> 00:12:45.927 studied in children with autism,

NOTE Confidence: 0.84893817

00:12:45.930 --> 00:12:47.748 developmental disabilities and

NOTE Confidence: 0.84893817

00:12:47.748 --> 00:12:50.778 severe forms of aggressive behavior.

NOTE Confidence: 0.84893817

00:12:50.780 --> 00:12:51.803 Now be here.

NOTE Confidence: 0.84893817

00:12:51.803 --> 00:12:53.167 Will interventions include parent

NOTE Confidence: 0.84893817

00:12:53.167 --> 00:12:55.179 training and cognitive behavioral therapy?

NOTE Confidence: 0.84893817

00:12:55.180 --> 00:12:58.868 And this has been the area of my

NOTE Confidence: 0.84893817

00:12:58.868 --> 00:13:02.260 research and the research in my lab.

NOTE Confidence: 0.84893817

00:13:02.260 --> 00:13:04.015 So parent training has been

NOTE Confidence: 0.84893817

00:13:04.015 --> 00:13:06.350 awhile for a long time, 50 years,

NOTE Confidence: 0.84893817

00:13:06.350 --> 00:13:09.174 some more and some would say that this is

NOTE Confidence: 0.84893817

00:13:09.174 --> 00:13:11.389 the most studied behavioral intervention,

NOTE Confidence: 0.84893817

00:13:11.390 --> 00:13:11.807 right?

NOTE Confidence: 0.84893817

00:13:11.807 --> 00:13:14.309 So all the research in all

NOTE Confidence: 0.84893817

00:13:14.309 --> 00:13:15.560 forms of psychotherapy.

NOTE Confidence: 0.84893817

00:13:15.560 --> 00:13:18.605 Parent training have been started the most

NOTE Confidence: 0.84893817

00:13:18.605 --> 00:13:21.910 and parents are taught how to help their

NOTE Confidence: 0.84893817

00:13:21.910 --> 00:13:24.880 children would be here all difficulties.

NOTE Confidence: 0.84893817

00:13:24.880 --> 00:13:26.212 That includes teaching

NOTE Confidence: 0.84893817

00:13:26.212 --> 00:13:27.988 the ABC's of behaviors,

NOTE Confidence: 0.84893817

00:13:27.990 --> 00:13:28.505 antecedents,

NOTE Confidence: 0.84893817

00:13:28.505 --> 00:13:29.020 behaviors,

00:13:29.020 --> 00:13:31.595 consequences and then parents are

00:13:31.595 --> 00:13:33.594 given different strategies for

00:13:33.594 --> 00:13:35.138 changing antecedents and consequences

00:13:35.138 --> 00:13:37.970 so that they can also improve the

00:13:37.970 --> 00:13:40.055 behavior such as pain differential

00:13:40.055 --> 00:13:41.783 attention to positive behaviors

00:13:41.783 --> 00:13:43.675 given more affective commands

00:13:43.675 --> 00:13:45.567 praising children form improvement.

00:13:45.570 --> 00:13:47.340 My baby here is setting up

00:13:47.340 --> 00:13:48.520 appropriate routines and overall

00:13:48.576 --> 00:13:50.328 strengthening family relationships,

00:13:50.330 --> 00:13:52.836 so I like this cartoon because I'm

00:13:52.836 --> 00:13:55.702 a proud father of two boys and I

00:13:55.702 --> 00:13:58.010 might have shown this cartoon before,

00:13:58.010 --> 00:14:00.770 but it is so true that I will

00:14:00.770 --> 00:14:02.769 show it to you again.

NOTE Confidence: 0.84893817

00:14:02.770 --> 00:14:04.282 So here it says,

NOTE Confidence: 0.84893817

00:14:04.282 --> 00:14:06.972 listen up and listen good because I'm

NOTE Confidence: 0.84893817

00:14:06.972 --> 00:14:09.724 only going to say it a million times,

NOTE Confidence: 0.84893817

00:14:09.730 --> 00:14:10.103 right?

NOTE Confidence: 0.84893817

00:14:10.103 --> 00:14:12.714 So it's just a common scenario in

NOTE Confidence: 0.84893817

00:14:12.714 --> 00:14:15.248 parenting where it's hard for parents

NOTE Confidence: 0.84893817

00:14:15.248 --> 00:14:17.393 to change their children's behavior.

NOTE Confidence: 0.84893817

00:14:17.400 --> 00:14:19.710 So in other remarkable things

NOTE Confidence: 0.84893817

00:14:19.710 --> 00:14:21.558 about parenting interventions that,

NOTE Confidence: 0.84893817

00:14:21.560 --> 00:14:23.404 despite being most research

NOTE Confidence: 0.84893817

00:14:23.404 --> 00:14:25.248 treatments in the world,

NOTE Confidence: 0.84893817

00:14:25.250 --> 00:14:28.946 they are really hard to access in Community.

NOTE Confidence: 0.84893817

00:14:28.950 --> 00:14:32.286 So this is a paradox that has been

NOTE Confidence: 0.84893817

00:14:32.286 --> 00:14:35.724 hard to overcome and I want to give

NOTE Confidence: 0.84893817

00:14:35.724 --> 00:14:39.579 a shout out to Andrew Dear Stransky,

NOTE Confidence: 0.84893817

00:14:39.580 --> 00:14:42.250 a Solnit child psychiatry fellow

NOTE Confidence: 0.84893817

00:14:42.250 --> 00:14:44.920 who completed a remarkable study.

NOTE Confidence: 0.84893817

00:14:44.920 --> 00:14:47.420 On improving access to parent

NOTE Confidence: 0.84893817

00:14:47.420 --> 00:14:50.406 training and this people is just

NOTE Confidence: 0.84893817

00:14:50.406 --> 00:14:53.171 accept it will be published in a

NOTE Confidence: 0.84893817

00:14:53.171 --> 00:14:57.229 day now to the Journal of Child

NOTE Confidence: 0.84893817

00:14:57.229 --> 00:14:59.137 and Adolescent Psychopharmacology.

NOTE Confidence: 0.84893817

00:14:59.140 --> 00:15:02.290 So Andy work with myself and David

NOTE Confidence: 0.84893817

00:15:02.290 --> 00:15:04.841 Grotberg to develop an intervention

NOTE Confidence: 0.84893817

00:15:04.841 --> 00:15:07.073 that combines online modules

NOTE Confidence: 0.84893817

00:15:07.073 --> 00:15:09.810 delivered via the Mind Nest,

NOTE Confidence: 0.84893817

00:15:09.810 --> 00:15:12.708 an online platform with three Tele

NOTE Confidence: 0.84893817

00:15:12.708 --> 00:15:14.640 health consultations provided by

NOTE Confidence: 0.84893817

00:15:14.720 --> 00:15:17.030 experienced child psychiatrists.

NOTE Confidence: 0.84893817

00:15:17.030 --> 00:15:19.956 And I should look for young children

NOTE Confidence: 0.84893817

00:15:19.956 --> 00:15:22.190 and included 15 children between

NOTE Confidence: 0.84893817

00:15:22.190 --> 00:15:25.319 the ages of three and nine years.

NOTE Confidence: 0.84893817

00:15:25.320 --> 00:15:27.996 12 Completed this study and despite

NOTE Confidence: 0.84893817

00:15:27.996 --> 00:15:30.377 their young age children met

NOTE Confidence: 0.84893817

00:15:30.377 --> 00:15:32.457 criteria for serious diagnosis,

NOTE Confidence: 0.84893817

00:15:32.460 --> 00:15:33.885 disruptive mood dysregulation,

NOTE Confidence: 0.84893817

00:15:33.885 --> 00:15:35.785 disorder, oppositional defiant disorder,

NOTE Confidence: 0.84893817

00:15:35.790 --> 00:15:37.694 ADHD, anxiety and PTSD.

NOTE Confidence: 0.84893817

00:15:37.694 --> 00:15:40.074 And there were two parents.

NOTE Confidence: 0.84893817

00:15:40.080 --> 00:15:42.129 Rated outcome measure.

NOTE Confidence: 0.84893817

00:15:42.129 --> 00:15:44.861 Disruptive Behavior rating scale

NOTE Confidence: 0.84893817

00:15:44.861 --> 00:15:47.260 that captures symptoms of.

NOTE Confidence: 0.84893817

00:15:47.260 --> 00:15:48.862 Oppositional defiant disorder.

NOTE Confidence: 0.84893817

00:15:48.862 --> 00:15:50.998 An affective reactivity index

NOTE Confidence: 0.84893817

00:15:50.998 --> 00:15:52.600 that captures irritability.

NOTE Confidence: 0.84893817

00:15:52.600 --> 00:15:55.768 So online treatment looks like that.

NOTE Confidence: 0.8618649

00:15:58.090 --> 00:16:00.358 So our parents are watching a

NOTE Confidence: 0.8618649

00:16:00.358 --> 00:16:02.422 number of animations that illustrate

NOTE Confidence: 0.8618649

00:16:02.422 --> 00:16:04.827 parenting principles and their job

NOTE Confidence: 0.8618649

00:16:04.827 --> 00:16:07.244 is to recognize specific behavioral

NOTE Confidence: 0.8618649

00:16:07.244 --> 00:16:09.758 challenges and to come up with

NOTE Confidence: 0.8618649

00:16:09.758 --> 00:16:12.313 solutions that then they did discuss

NOTE Confidence: 0.8618649

00:16:12.313 --> 00:16:15.330 with a clinician who helped them find,

NOTE Confidence: 0.8618649

00:16:15.330 --> 00:16:18.347 tune the solutions for their specific kits.

NOTE Confidence: 0.84384185

00:16:36.870 --> 00:16:39.260 So that those animated vignettes

NOTE Confidence: 0.84384185

00:16:39.260 --> 00:16:41.650 viewed by parents parents will

NOTE Confidence: 0.84384185

00:16:41.733 --> 00:16:43.677 receive their focus instructions

NOTE Confidence: 0.84384185

00:16:43.677 --> 00:16:47.088 and then this is discussed with a

NOTE Confidence: 0.84384185

00:16:47.088 --> 00:16:49.590 child psychiatrist by Tele Health and

NOTE Confidence: 0.84384185

00:16:49.590 --> 00:16:52.116 after six weeks of treatment there

NOTE Confidence: 0.84384185

00:16:52.116 --> 00:16:54.648 was a dramatic reduction in both

NOTE Confidence: 0.84384185

00:16:54.648 --> 00:16:56.910 disruptive behavior and irritability,

NOTE Confidence: 0.84384185

00:16:56.910 --> 00:17:00.204 which we are particularly delighted to

NOTE Confidence: 0.84384185

00:17:00.204 --> 00:17:03.702 have this program because I think it

NOTE Confidence: 0.84384185

00:17:03.702 --> 00:17:06.523 will make it much easier to deliver.

NOTE Confidence: 0.84384185

00:17:06.530 --> 00:17:08.402 Parent training for children.

NOTE Confidence: 0.84384185

00:17:08.402 --> 00:17:10.742 For parents of children with

NOTE Confidence: 0.84384185

00:17:10.742 --> 00:17:11.890 disruptive behavior.

NOTE Confidence: 0.84384185

00:17:11.890 --> 00:17:14.440 So now cognitive behavioral therapy

NOTE Confidence: 0.84384185

00:17:14.440 --> 00:17:16.990 is a treatment that involved

NOTE Confidence: 0.84384185

00:17:17.076 --> 00:17:19.386 both parents and children in.

NOTE Confidence: 0.84384185

00:17:19.390 --> 00:17:22.848 The aim is to give children strategies

NOTE Confidence: 0.84384185

00:17:22.848 --> 00:17:25.890 for managing their sort of emotions,

NOTE Confidence: 0.84384185

00:17:25.890 --> 00:17:26.890 including frustration,

NOTE Confidence: 0.84384185

00:17:26.890 --> 00:17:28.390 anger and irritability,

NOTE Confidence: 0.84384185

00:17:28.390 --> 00:17:31.010 and to give children strategy

NOTE Confidence: 0.84384185

00:17:31.010 --> 00:17:33.630 strategies for solving problems because

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NOTE Confidence: 0.84384185

00:17:33.713 --> 00:17:37.085 usually frustration sort of arises in

NOTE Confidence: 0.84384185

00:17:37.085 --> 00:17:39.333 context of interpersonal situations.

NOTE Confidence: 0.84384185

00:17:39.340 --> 00:17:41.430 And then in our lab,

NOTE Confidence: 0.84384185

00:17:41.430 --> 00:17:43.938 we've been trying to understand if

NOTE Confidence: 0.84384185

00:17:43.938 --> 00:17:46.205 teaching children how to regulate

NOTE Confidence: 0.84384185

00:17:46.205 --> 00:17:48.825 their frustration can also engage

NOTE Confidence: 0.84384185

00:17:48.825 --> 00:17:51.291 brain mechanisms of frustration so

NOTE Confidence: 0.84384185

00:17:51.291 --> 00:17:53.667 that I will tell you about a study

NOTE Confidence: 0.84384185

00:17:53.667 --> 00:17:56.106 that we called our docs study because

NOTE Confidence: 0.84384185

00:17:56.106 --> 00:17:59.520 it was funded in response to an eye

NOTE Confidence: 0.84384185

00:17:59.520 --> 00:18:01.905 image research domain criteria approach,

NOTE Confidence: 0.84384185

00:18:01.910 --> 00:18:02.328 right?

NOTE Confidence: 0.84384185

00:18:02.328 --> 00:18:04.836 So that we conducted the study,

NOTE Confidence: 0.84384185

00:18:04.840 --> 00:18:06.845 it was a randomized control

NOTE Confidence: 0.84384185

00:18:06.845 --> 00:18:08.850 trial that involved 101 children

NOTE Confidence: 0.84384185

00:18:08.926 --> 00:18:10.600 with aggressive behavior.

00:18:10.600 --> 00:18:12.748 And they were randomly assigned to

00:18:12.748 --> 00:18:15.528 12 sessions of CBT or 12 sessions

00:18:15.528 --> 00:18:17.228 of weekly supportive therapy,

00:18:17.230 --> 00:18:19.180 which were the control condition.

00:18:19.180 --> 00:18:21.910 Outcomes were rated by the blinded clinician,

00:18:21.910 --> 00:18:24.502 which means that the person didn't

00:18:24.502 --> 00:18:26.701 know which treatment children were

00:18:26.701 --> 00:18:28.691 receiving and children also completed

00:18:28.691 --> 00:18:31.439 F MRI before and after treatment.

00:18:31.440 --> 00:18:34.744 So we're curious to see if treatment can

00:18:34.744 --> 00:18:37.759 engage brain mechanisms of irritability,

00:18:37.760 --> 00:18:40.190 and our hypothesis was straightforward.

00:18:40.190 --> 00:18:42.860 We saw that because children are

00:18:42.860 --> 00:18:45.274 taught to regulate their frustration

00:18:45.274 --> 00:18:48.556 that we thought that brain circuitry

NOTE Confidence: 0.84384185

00:18:48.556 --> 00:18:51.600 of emotion regulation is a good

NOTE Confidence: 0.84384185

00:18:51.600 --> 00:18:53.800 candidate for those neural targets,

NOTE Confidence: 0.84384185

00:18:53.800 --> 00:18:56.542 so that we thought that both

NOTE Confidence: 0.84384185

00:18:56.542 --> 00:18:59.070 cognitive control and implicit emotion

NOTE Confidence: 0.84384185

00:18:59.070 --> 00:19:01.550 regulation regions that include.

NOTE Confidence: 0.84384185

00:19:01.550 --> 00:19:03.497 Ventrolateral and dorsolateral

NOTE Confidence: 0.84384185

00:19:03.497 --> 00:19:06.093 prefrontal cortex and anterior

NOTE Confidence: 0.84384185

00:19:06.093 --> 00:19:09.123 singulate can be affected by

NOTE Confidence: 0.84384185

00:19:09.123 --> 00:19:12.117 children who show response to treat.

NOTE Confidence: 0.84384185

00:19:12.120 --> 00:19:13.860 And we use two tasks.

NOTE Confidence: 0.84384185

00:19:13.860 --> 00:19:16.296 One task we call it will lovingly

NOTE Confidence: 0.84384185

00:19:16.296 --> 00:19:17.340 call it frustration.

NOTE Confidence: 0.84384185

00:19:17.340 --> 00:19:18.008 Induction girl,

NOTE Confidence: 0.84384185

00:19:18.008 --> 00:19:21.110 no girl and this is a 16 minute task

NOTE Confidence: 0.84384185

00:19:21.110 --> 00:19:23.595 where children are playing on a go.

NOTE Confidence: 0.84384185

00:19:23.600 --> 00:19:25.800 No go game and their job is to

NOTE Confidence: 0.84384185

00:19:25.800 --> 00:19:28.002 push the button in response to

NOTE Confidence: 0.84384185

00:19:28.002 --> 00:19:30.372 objects and green frames and which

NOTE Confidence: 0.84384185

00:19:30.442 --> 00:19:32.596 hold the button press in response

NOTE Confidence: 0.84384185

00:19:32.596 --> 00:19:35.045 to object and red frames and task

NOTE Confidence: 0.84384185

00:19:35.045 --> 00:19:37.390 goes to stages where it speeds up

NOTE Confidence: 0.84384185

00:19:37.459 --> 00:19:39.673 so that it becomes impossible and

NOTE Confidence: 0.84384185

00:19:39.673 --> 00:19:42.109 then it goes through stages where.

NOTE Confidence: 0.84384185

00:19:42.110 --> 00:19:44.334 It slows down and it becomes possible to

NOTE Confidence: 0.84384185

00:19:44.334 --> 00:19:46.926 kind of answer the questions and children.

NOTE Confidence: 0.84384185

00:19:46.930 --> 00:19:49.135 I want to believe that they're winning

NOTE Confidence: 0.84384185

00:19:49.135 --> 00:19:51.099 and losing prizes during this task.

NOTE Confidence: 0.84384185

00:19:51.100 --> 00:19:53.020 At the end everybody went so,

NOTE Confidence: 0.84384185

00:19:53.020 --> 00:19:54.941 but don't tell the children, right?

NOTE Confidence: 0.84384185

00:19:54.941 --> 00:19:56.807 So if you're planning to refer

NOTE Confidence: 0.84384185

00:19:56.807 --> 00:19:58.160 children to our study,

NOTE Confidence: 0.84384185

00:19:58.160 --> 00:20:00.206 don't tell them about this task.

NOTE Confidence: 0.84384185

00:20:00.210 --> 00:20:00.567 Right,

NOTE Confidence: 0.84384185

00:20:00.567 --> 00:20:03.423 so that they come in and they don't

NOTE Confidence: 0.84384185

00:20:03.423 --> 00:20:06.300 know if they're going to win or lose.

NOTE Confidence: 0.84384185

00:20:06.300 --> 00:20:08.442 And then we're also have a

NOTE Confidence: 0.84384185

00:20:08.442 --> 00:20:09.513 face matching task,

NOTE Confidence: 0.84384185

00:20:09.520 --> 00:20:11.764 which is a very kind of

NOTE Confidence: 0.84384185

00:20:11.764 --> 00:20:13.260 common standard task of

NOTE Confidence: 0.8346391

00:20:13.341 --> 00:20:15.408 emotional face processing.

NOTE Confidence: 0.8346391

00:20:15.410 --> 00:20:18.170 So we conducted some piloten of

NOTE Confidence: 0.8346391

00:20:18.170 --> 00:20:20.664 this measures and with frustration

NOTE Confidence: 0.8346391

00:20:20.664 --> 00:20:24.024 induction go nogo task with sewer.

NOTE Confidence: 0.8346391

00:20:24.030 --> 00:20:27.702 Pretty drastic differences in children with

NOTE Confidence: 0.8346391

00:20:27.702 --> 00:20:30.760 aggressive behavior compared to community

NOTE Confidence: 0.8346391

00:20:30.760 --> 00:20:33.904 controls in terms of activation in.

NOTE Confidence: 0.8346391

00:20:33.910 --> 00:20:36.560 Prefrontal regions include an orbital

NOTE Confidence: 0.8346391

00:20:36.560 --> 00:20:39.210 frontal cortex and anterior singulate,

NOTE Confidence: 0.8346391

00:20:39.210 --> 00:20:42.732 so lack of activation during regulation

NOTE Confidence: 0.8346391

00:20:42.732 --> 00:20:47.736 of frustration on the go nogo task was

NOTE Confidence: 0.8346391

00:20:47.736 --> 00:20:50.288 associated with aggressive behavior.

NOTE Confidence: 0.8346391

00:20:50.290 --> 00:20:52.215 And then we preceded to

NOTE Confidence: 0.8346391

00:20:52.215 --> 00:20:53.755 look for study participants.

NOTE Confidence: 0.8346391

00:20:53.760 --> 00:20:55.308 So inclusion criteria really

NOTE Confidence: 0.8346391

00:20:55.308 --> 00:20:56.469 important to appreciate,

NOTE Confidence: 0.8346391

00:20:56.470 --> 00:20:59.358 so will look for children and the white

NOTE Confidence: 0.8346391

00:20:59.358 --> 00:21:01.750 age range with aggressive behavior can

NOTE Confidence: 0.8346391

00:21:01.750 --> 00:21:05.364 engaged by the T score of 65 or higher

NOTE Confidence: 0.8346391

00:21:05.364 --> 00:21:08.045 on the CBC L aggressive behavior scale.

NOTE Confidence: 0.8346391

00:21:08.050 --> 00:21:10.675 I think the average score at baseline

NOTE Confidence: 0.8346391

00:21:10.675 --> 00:21:13.060 with about 75 in our children,

NOTE Confidence: 0.8346391

00:21:13.060 --> 00:21:15.884 which means that there were two and a

NOTE Confidence: 0.8346391

00:21:15.884 --> 00:21:18.467 half standard deviations above the mean.

NOTE Confidence: 0.8346391

00:21:18.470 --> 00:21:20.226 So those kids had.

NOTE Confidence: 0.8346391

00:21:20.226 --> 00:21:21.982 Real difficulties was their

NOTE Confidence: 0.8346391

00:21:21.982 --> 00:21:23.959 behavior were also included.

NOTE Confidence: 0.8346391

00:21:23.960 --> 00:21:25.888 Children with all diagnosis,

NOTE Confidence: 0.8346391

00:21:25.888 --> 00:21:29.290 unless they had more pressing clinical needs.

NOTE Confidence: 0.8346391

00:21:29.290 --> 00:21:31.045 So for example,

NOTE Confidence: 0.8346391

00:21:31.045 --> 00:21:34.555 children with untreated PTSD were referred

NOTE Confidence: 0.8346391

00:21:34.555 --> 00:21:37.297 elsewhere because we thought that.

NOTE Confidence: 0.8346391

00:21:37.300 --> 00:21:39.020 Their effective frequency exist

NOTE Confidence: 0.8346391

00:21:39.020 --> 00:21:42.332 and there is no need to delay

NOTE Confidence: 0.8346391

00:21:42.332 --> 00:21:44.270 those effective treatments.

NOTE Confidence: 0.8346391

00:21:44.270 --> 00:21:46.760 Obviously severe depression or active

NOTE Confidence: 0.8346391

00:21:46.760 --> 00:21:49.250 suicidal ideations were exclusion criteria,

NOTE Confidence: 0.8346391

00:21:49.250 --> 00:21:52.204 but other than that we invited just

NOTE Confidence: 0.8346391

00:21:52.204 --> 00:21:55.229 about any Co occurring disorder,

NOTE Confidence: 0.8346391

00:21:55.230 --> 00:21:58.770 including children with the wettest.

NOTE Confidence: 0.8346391

00:21:58.770 --> 00:22:00.405 The only requirement was that

NOTE Confidence: 0.8346391

00:22:00.405 --> 00:22:02.371 children needed to be able to

NOTE Confidence: 0.8346391

00:22:02.371 --> 00:22:04.212 complete F MRI and that there was

NOTE Confidence: 0.8346391

00:22:04.212 --> 00:22:06.273 no plans for change in behavioral

NOTE Confidence: 0.8346391

00:22:06.273 --> 00:22:08.113 treatments or medication for the

NOTE Confidence: 0.8346391

00:22:08.113 --> 00:22:11.510 three month duration of the study.

NOTE Confidence: 0.8346391

00:22:11.510 --> 00:22:13.928 And we conducted a pretty extensive

NOTE Confidence: 0.8346391

00:22:13.928 --> 00:22:17.027 assessment about 8 hours or so that

NOTE Confidence: 0.8346391

00:22:17.027 --> 00:22:18.440 included structured interviews,

NOTE Confidence: 0.8346391

00:22:18.440 --> 00:22:20.600 cognitive tasks in neurocognitive testing.

NOTE Confidence: 0.8318844

00:22:22.630 --> 00:22:24.946 Very focused measures of aggressive behavior.

NOTE Confidence: 0.8318844

00:22:24.950 --> 00:22:27.176 We used sharp report that really helped

NOTE Confidence: 0.8318844

00:22:27.176 --> 00:22:29.586 us with dissociate an oppositional defiant

NOTE Confidence: 0.8318844

00:22:29.586 --> 00:22:31.916 disorder from disruptive mood dysregulation.

NOTE Confidence: 0.8318844

00:22:31.920 --> 00:22:35.020 Because when you have a mood problem, right?

NOTE Confidence: 0.8318844

00:22:35.020 --> 00:22:37.750 So you feel it and children with

NOTE Confidence: 0.8318844

00:22:37.750 --> 00:22:39.348 oppositional defiant disorder that

NOTE Confidence: 0.8318844

00:22:39.348 --> 00:22:41.973 usually dump sort of like self report.

NOTE Confidence: 0.8318844

00:22:41.980 --> 00:22:44.695 A lot of negative affect

NOTE Confidence: 0.8318844

00:22:44.695 --> 00:22:47.410 children with DMD Dia do.

NOTE Confidence: 0.8318844

00:22:47.410 --> 00:22:50.847 And we ended up having 101 children.

NOTE Confidence: 0.8318844

00:22:50.850 --> 00:22:52.614 93 Completed this study,

NOTE Confidence: 0.8318844

00:22:52.614 --> 00:22:56.250 which is really good for this particular.

NOTE Confidence: 0.8318844

00:22:56.250 --> 00:22:58.210 I'm sort of demographic.

NOTE Confidence: 0.8318844

00:22:58.210 --> 00:23:02.102 8% dropout rate was great and kids needed

NOTE Confidence: 0.8318844

00:23:02.102 --> 00:23:07.049 to do a lot of assessment fMRI an so on.

NOTE Confidence: 0.8318844

00:23:07.050 --> 00:23:10.822 11.7 years on average, 73 boys, 28 girls.

NOTE Confidence: 0.8318844

00:23:10.822 --> 00:23:14.110 So we had a lot of girls and

NOTE Confidence: 0.8318844

00:23:14.227 --> 00:23:17.367 sample was representative of.

NOTE Confidence: 0.8318844

00:23:17.370 --> 00:23:19.605 Race and ethnicity

NOTE Confidence: 0.8318844

00:23:19.605 --> 00:23:21.840 distribution in Connecticut.

NOTE Confidence: 0.8318844

00:23:21.840 --> 00:23:23.512 47% were receiving medications

NOTE Confidence: 0.8318844

00:23:23.512 --> 00:23:26.910 and this is a list of diagnosis.

NOTE Confidence: 0.8318844

00:23:26.910 --> 00:23:29.215 So most met criteria for

NOTE Confidence: 0.8318844

00:23:29.215 --> 00:23:31.061 oppositional defiant disorder, ADHD.

NOTE Confidence: 0.8318844

00:23:31.061 --> 00:23:32.905 We were probably conservative

NOTE Confidence: 0.8318844

00:23:32.905 --> 00:23:34.749 with assigning DMD diagnosis,

NOTE Confidence: 0.8318844

00:23:34.750 --> 00:23:35.851 but we did.

NOTE Confidence: 0.8318844

00:23:35.851 --> 00:23:39.025 I have about 18 kids with DMD and

NOTE Confidence: 0.8318844

00:23:39.025 --> 00:23:40.567 were also included.

NOTE Confidence: 0.8318844

00:23:40.570 --> 00:23:42.586 17 children with the wedding song.

NOTE Confidence: 0.8395788

00:23:44.740 --> 00:23:46.888 And we provided treatment

NOTE Confidence: 0.8395788

00:23:46.888 --> 00:23:49.036 using our favorite approach,

NOTE Confidence: 0.8395788

00:23:49.040 --> 00:23:50.693 cognitive behavioral therapy,

NOTE Confidence: 0.8395788

00:23:50.693 --> 00:23:53.448 in 12 sessions that were

NOTE Confidence: 0.8395788

00:23:53.448 --> 00:23:56.200 delivered by trained clinicians.

NOTE Confidence: 0.8395788

00:23:56.200 --> 00:23:58.419 So the treatment really helps on children.

NOTE Confidence: 0.8395788

00:23:58.420 --> 00:24:00.346 Think about what happens when they

NOTE Confidence: 0.8395788

00:24:00.346 --> 00:24:02.617 get angry or what happens when they

NOTE Confidence: 0.8395788

00:24:02.617 --> 00:24:04.773 don't get what they want or what

NOTE Confidence: 0.8395788

00:24:04.842 --> 00:24:06.998 happens when they are told to turn

NOTE Confidence: 0.8395788

00:24:06.998 --> 00:24:09.805 off their video games and go do their

NOTE Confidence: 0.8395788

00:24:09.805 --> 00:24:12.230 homework or go brush their teeth.

NOTE Confidence: 0.8395788

00:24:12.230 --> 00:24:14.491 And we think about this as triggers

NOTE Confidence: 0.8395788

00:24:14.491 --> 00:24:17.087 and that can lead to certain emotions

NOTE Confidence: 0.8395788

00:24:17.087 --> 00:24:19.427 and emotions can lead to actions.

NOTE Confidence: 0.8395788

00:24:19.430 --> 00:24:21.590 And then there is an outcome.

NOTE Confidence: 0.8395788

00:24:21.590 --> 00:24:24.146 So the children invited to discuss

NOTE Confidence: 0.8395788

00:24:24.146 --> 00:24:25.850 various episodes that happened

NOTE Confidence: 0.8395788

00:24:25.924 --> 00:24:28.038 to them when they don't get what

NOTE Confidence: 0.8395788

00:24:28.038 --> 00:24:30.015 they want and we discuss with

NOTE Confidence: 0.8395788

00:24:30.015 --> 00:24:32.025 them how they feel about this,

NOTE Confidence: 0.8395788

00:24:32.030 --> 00:24:34.221 what they did about this and is

NOTE Confidence: 0.8395788

00:24:34.221 --> 00:24:36.309 there anything that they could have

NOTE Confidence: 0.8395788

00:24:36.309 --> 00:24:38.119 done differently and then we're

NOTE Confidence: 0.8395788

00:24:38.119 --> 00:24:40.310 role played better behaviors, right?

NOTE Confidence: 0.8395788

00:24:40.310 --> 00:24:42.110 Let's practice practice and practice,

NOTE Confidence: 0.8395788

00:24:42.110 --> 00:24:44.006 and we're also encourage children to

NOTE Confidence: 0.8395788

00:24:44.006 --> 00:24:46.070 think about this social circumstances.

NOTE Confidence: 0.8395788

00:24:46.070 --> 00:24:47.980 Where this. Situation was happening.

NOTE Confidence: 0.8395788

00:24:47.980 --> 00:24:51.660 It's not a school bus in a classroom is it?

NOTE Confidence: 0.8395788

00:24:51.660 --> 00:24:53.914 Was you and your friends on the

NOTE Confidence: 0.8395788

00:24:53.914 --> 00:24:56.272 playground and then we were encouraging

NOTE Confidence: 0.8395788

00:24:56.272 --> 00:24:58.482 children to think differently about

NOTE Confidence: 0.8395788

00:24:58.482 --> 00:25:00.948 their behavior in different situations.

NOTE Confidence: 0.8395788

00:25:00.950 --> 00:25:03.350 Or also.

NOTE Confidence: 0.8395788

00:25:03.350 --> 00:25:05.504 Asking kids to kind of consider

NOTE Confidence: 0.8395788

00:25:05.504 --> 00:25:06.940 various social cognitive processes,

NOTE Confidence: 0.8395788

00:25:06.940 --> 00:25:09.105 such as hostile Attribution bias, right?

NOTE Confidence: 0.8395788

00:25:09.105 --> 00:25:10.200 So what's that?

NOTE Confidence: 0.8395788

00:25:10.200 --> 00:25:12.801 So imagine that you're working on your

NOTE Confidence: 0.8395788

00:25:12.801 --> 00:25:15.195 homework and have about half an hour.

NOTE Confidence: 0.8395788

00:25:15.200 --> 00:25:17.222 If you report typed up when

NOTE Confidence: 0.8395788

00:25:17.222 --> 00:25:19.150 you monical you for dinner,

NOTE Confidence: 0.8395788

00:25:19.150 --> 00:25:21.238 you go right away because you're

NOTE Confidence: 0.8395788

00:25:21.238 --> 00:25:23.429 very hungry and you forget to

NOTE Confidence: 0.8395788

00:25:23.429 --> 00:25:25.244 save your file after dinner.

NOTE Confidence: 0.8395788

00:25:25.250 --> 00:25:25.888 It's over.

NOTE Confidence: 0.8395788

00:25:25.888 --> 00:25:28.440 You have to call a friend to ask

NOTE Confidence: 0.8395788

00:25:28.520 --> 00:25:29.560 her something.

NOTE Confidence: 0.8395788

00:25:29.560 --> 00:25:31.774 At that time your brother goes

NOTE Confidence: 0.8395788

00:25:31.774 --> 00:25:33.990 on computer to play his game.

NOTE Confidence: 0.8395788

00:25:33.990 --> 00:25:35.898 And he closes your homework file

NOTE Confidence: 0.8395788

00:25:35.898 --> 00:25:36.534 without saving.

NOTE Confidence: 0.8395788

00:25:36.540 --> 00:25:38.780 Why did your brother do that right?

NOTE Confidence: 0.8395788

00:25:38.780 --> 00:25:40.370 Try to think about it.

NOTE Confidence: 0.8395788

00:25:40.370 --> 00:25:42.284 If you do it on purpose

NOTE Confidence: 0.8395788

00:25:42.284 --> 00:25:43.560 where there's an accident,

NOTE Confidence: 0.8395788

00:25:43.560 --> 00:25:45.387 was he trying to ruin your life

NOTE Confidence: 0.8395788

00:25:45.387 --> 00:25:47.440 so that kind of question that we

NOTE Confidence: 0.8395788

00:25:47.440 --> 00:25:49.252 discussed with the kids to help

NOTE Confidence: 0.8395788

00:25:49.320 --> 00:25:51.220 them consider alternative right?

NOTE Confidence: 0.8395788

00:25:51.220 --> 00:25:53.446 So when you get angry about something,

NOTE Confidence: 0.8395788

00:25:53.450 --> 00:25:56.850 think about it before acting.

NOTE Confidence: 0.8395788

00:25:56.850 --> 00:25:59.132 And we had various sort of like

NOTE Confidence: 0.8395788

00:25:59.132 --> 00:26:01.570 tricks to get kids do this right,

NOTE Confidence: 0.8395788

00:26:01.570 --> 00:26:03.845 so nobody wants to sit and talk

NOTE Confidence: 0.8395788

00:26:03.845 --> 00:26:05.950 about their anger when they're 12.

NOTE Confidence: 0.8395788

00:26:05.950 --> 00:26:07.966 So we had various kind of

NOTE Confidence: 0.8395788

00:26:07.966 --> 00:26:08.974 like therapeutic tools,

NOTE Confidence: 0.8395788

00:26:08.980 --> 00:26:11.339 right side just consequense tic tac toe,

NOTE Confidence: 0.8395788

00:26:11.340 --> 00:26:11.632 right?

NOTE Confidence: 0.8395788

00:26:11.632 --> 00:26:14.260 So when you come up with a with an

NOTE Confidence: 0.8395788

00:26:14.333 --> 00:26:16.735 answer to a social situation, right?

NOTE Confidence: 0.8395788

00:26:16.735 --> 00:26:19.080 So you can take a turn and

NOTE Confidence: 0.8395788

00:26:19.080 --> 00:26:21.116 whoever wins gets a price, right?

NOTE Confidence: 0.8395788

00:26:21.116 --> 00:26:23.468 So that will try to engage kids.

NOTE Confidence: 0.8395788

00:26:23.470 --> 00:26:26.390 Best way we can.

NOTE Confidence: 0.8395788

00:26:26.390 --> 00:26:28.105 And parents were also given

NOTE Confidence: 0.8395788

00:26:28.105 --> 00:26:29.820 strategies for helping their kids

NOTE Confidence: 0.8395788

00:26:29.878 --> 00:26:31.790 where their challenging behaviors.

NOTE Confidence: 0.8395788

00:26:31.790 --> 00:26:34.106 And we were focusing on prevention,

NOTE Confidence: 0.8395788

00:26:34.110 --> 00:26:34.882 prevention, prevention.

NOTE Confidence: 0.8395788

00:26:34.882 --> 00:26:37.198 And we're also called antecedent management.

NOTE Confidence: 0.8395788

00:26:37.200 --> 00:26:38.358 So with kids,

NOTE Confidence: 0.8395788

00:26:38.358 --> 00:26:41.060 you really need to control the environment,

NOTE Confidence: 0.8395788

00:26:41.060 --> 00:26:42.600 particularly with kids with

NOTE Confidence: 0.8395788

00:26:42.600 --> 00:26:43.370 challenging behaviors.

NOTE Confidence: 0.8395788

00:26:43.370 --> 00:26:45.300 Just like in this picture,

NOTE Confidence: 0.8395788

00:26:45.300 --> 00:26:48.276 we need to kind of childproof our house

NOTE Confidence: 0.8395788

00:26:48.276 --> 00:26:51.479 when we have little kids in the house.

NOTE Confidence: 0.8651696

00:26:51.480 --> 00:26:53.796 When you have kids with severe

NOTE Confidence: 0.8651696

00:26:53.796 --> 00:26:56.831 irritability in the house, you need to.

NOTE Confidence: 0.8651696

00:26:56.831 --> 00:27:00.310 Put away those steak knives and baseball

NOTE Confidence: 0.8651696

00:27:00.410 --> 00:27:03.858 bats and any objects that can be broken

NOTE Confidence: 0.8651696

00:27:03.858 --> 00:27:07.916 in the moment in the heat of the moment.

NOTE Confidence: 0.8651696

00:27:07.920 --> 00:27:09.432 And we're also focusing

NOTE Confidence: 0.8651696

00:27:09.432 --> 00:27:10.566 on positive consequences.

NOTE Confidence: 0.8651696

00:27:10.570 --> 00:27:12.826 So when parents think about consequences,

NOTE Confidence: 0.8651696

00:27:12.830 --> 00:27:14.730 something sometimes they think about

NOTE Confidence: 0.8651696

00:27:14.730 --> 00:27:16.990 timeout or ground and their kids,

NOTE Confidence: 0.8651696

00:27:16.990 --> 00:27:19.348 and we're really trying to focus

NOTE Confidence: 0.8651696

00:27:19.348 --> 00:27:20.920 on positive consequences such

NOTE Confidence: 0.8651696

00:27:20.992 --> 00:27:22.767 as catching kids when they're

NOTE Confidence: 0.8651696

00:27:22.767 --> 00:27:24.930 just sitting and written a book,

NOTE Confidence: 0.8651696

00:27:24.930 --> 00:27:26.064 having enjoyable interactions

NOTE Confidence: 0.8651696

00:27:26.064 --> 00:27:27.198 with their kids,

NOTE Confidence: 0.8651696

00:27:27.200 --> 00:27:29.996 and we tried to peer those

NOTE Confidence: 0.8651696

00:27:29.996 --> 00:27:31.860 enjoyable interactions with those

NOTE Confidence: 0.8651696

00:27:31.939 --> 00:27:34.579 times when kids are not misbehave.

NOTE Confidence: 0.8651696

00:27:34.580 --> 00:27:37.009 And we're also give parents various sort

NOTE Confidence: 0.8651696

00:27:37.009 --> 00:27:39.238 of like strategist will manage in the

NOTE Confidence: 0.8651696

00:27:39.238 --> 00:27:41.639 tantrum and so it's like when people ask.

NOTE Confidence: 0.8651696

00:27:41.640 --> 00:27:43.761 Like how about this out of control

NOTE Confidence: 0.8651696

00:27:43.761 --> 00:27:45.696 behaviors so out of control I

NOTE Confidence: 0.8651696

00:27:45.696 --> 00:27:47.622 usually think about it when parents

NOTE Confidence: 0.8651696

00:27:47.622 --> 00:27:49.670 don't know what will happen right?

NOTE Confidence: 0.8651696

00:27:49.670 --> 00:27:51.728 So that really parents can help

NOTE Confidence: 0.8651696

00:27:51.728 --> 00:27:54.368 their kids to get through those

NOTE Confidence: 0.8651696

00:27:54.368 --> 00:27:55.560 challenging moments.

NOTE Confidence: 0.8651696

00:27:55.560 --> 00:27:58.440 The key is to praise the child for

NOTE Confidence: 0.8651696

00:27:58.440 --> 00:28:00.804 calming down right and the brief

NOTE Confidence: 0.8651696

00:28:00.804 --> 00:28:03.150 after the moment is behind you.

NOTE Confidence: 0.8651696

00:28:03.150 --> 00:28:04.308 And of course,

NOTE Confidence: 0.8651696

00:28:04.308 --> 00:28:07.010 after every session we will come up

NOTE Confidence: 0.8651696

00:28:07.087 --> 00:28:09.859 with a plan for what to do next week

NOTE Confidence: 0.8651696

00:28:09.859 --> 00:28:12.287 and we will ask the children got

NOTE Confidence: 0.8651696

00:28:12.287 --> 00:28:14.931 to write down a little diary about

NOTE Confidence: 0.8651696

00:28:14.931 --> 00:28:17.066 their most successful moment of

NOTE Confidence: 0.8651696

00:28:17.066 --> 00:28:18.765 handling frustration and when they

NOTE Confidence: 0.8651696

00:28:18.765 --> 00:28:21.000 come back we will give them a price.

NOTE Confidence: 0.8651696

00:28:21.000 --> 00:28:22.710 So treatment is individualized as

NOTE Confidence: 0.8651696

00:28:22.710 --> 00:28:25.545 we will try to come up with prizes

NOTE Confidence: 0.8651696

00:28:25.545 --> 00:28:26.949 that kids really enjoy.

NOTE Confidence: 0.8651696

00:28:26.950 --> 00:28:29.710 So I like this yugioh card because by

NOTE Confidence: 0.8651696

00:28:29.710 --> 00:28:33.100 the time when we were working with this kid.

NOTE Confidence: 0.8651696

00:28:33.100 --> 00:28:35.026 He asked for you go karts.

NOTE Confidence: 0.8651696

00:28:35.030 --> 00:28:37.284 I didn't know what they were and

NOTE Confidence: 0.8651696

00:28:37.284 --> 00:28:39.858 we went out and got some for him.

NOTE Confidence: 0.8651696

00:28:39.860 --> 00:28:41.798 Little later my kids grew into

NOTE Confidence: 0.8651696

00:28:41.798 --> 00:28:44.155 the age of Yugioh cards and like

NOTE Confidence: 0.8651696

00:28:44.155 --> 00:28:46.465 after a few months I had thousands

NOTE Confidence: 0.8651696

00:28:46.537 --> 00:28:48.560 of those cards in in my house.

NOTE Confidence: 0.8651696

00:28:48.560 --> 00:28:50.486 So kind of like those things.

NOTE Confidence: 0.8651696

00:28:50.490 --> 00:28:53.178 They come and go in waves like

NOTE Confidence: 0.8651696

00:28:53.178 --> 00:28:54.885 different items become popular

NOTE Confidence: 0.8651696

00:28:54.885 --> 00:28:56.797 for different age groups.

NOTE Confidence: 0.8651696

00:28:56.800 --> 00:28:59.472 Now I I I wanted to kind of

NOTE Confidence: 0.8651696

00:28:59.472 --> 00:29:01.860 like show this case example.

NOTE Confidence: 0.8651696

00:29:01.860 --> 00:29:04.820 I'm pretty sure this is the boy who

NOTE Confidence: 0.8651696

00:29:04.820 --> 00:29:07.260 referred to us from Winnie one and

NOTE Confidence: 0.8651696

00:29:07.260 --> 00:29:10.328 we kind of for the purpose of this

NOTE Confidence: 0.8651696

00:29:10.328 --> 00:29:13.527 presentation will refer to him as Antonio.

NOTE Confidence: 0.8651696

00:29:13.530 --> 00:29:15.018 12 year old boy.

NOTE Confidence: 0.8651696

00:29:15.018 --> 00:29:18.199 Average IQ who was living with his mother,

NOTE Confidence: 0.8651696

00:29:18.200 --> 00:29:20.200 maternal grandmother and maternal on

NOTE Confidence: 0.8651696

00:29:20.200 --> 00:29:22.648 had occasional visits with his father

NOTE Confidence: 0.8651696

00:29:22.648 --> 00:29:24.558 had seven hospitalization due to

NOTE Confidence: 0.8651696

00:29:24.558 --> 00:29:26.750 aggression over the past two years,

NOTE Confidence: 0.8651696

00:29:26.750 --> 00:29:28.052 including extended stay.

00:29:28.052 --> 00:29:30.656 And all aggression was directed toward

00:29:30.656 --> 00:29:32.820 his mother I, including punching her,

00:29:32.820 --> 00:29:34.620 choking her, being anchored down,

00:29:34.620 --> 00:29:36.060 and like really dramatic.

00:29:36.060 --> 00:29:37.504 Sort of like behaviors,

00:29:37.504 --> 00:29:40.739 and he was a big boy for his age,

00:29:40.740 --> 00:29:44.340 and his mother was a 5 foot 130 pound woman.

00:29:44.340 --> 00:29:46.902 So it was like really kind

00:29:46.902 --> 00:29:48.610 of like dangerous situation.

00:29:48.610 --> 00:29:50.674 So what was striking is that

00:29:50.674 --> 00:29:52.580 over the past two years,

00:29:52.580 --> 00:29:54.446 Antonio tried or was tried on

00:29:54.446 --> 00:29:56.550 a long list of medication,

00:29:56.550 --> 00:29:59.028 and when he arrived to the

00:29:59.028 --> 00:30:00.680 study he was received.

00:30:00.680 --> 00:30:02.815 Weekly psychotherapy in a Community

NOTE Confidence: 0.85736334

00:30:02.815 --> 00:30:05.908 Center and 30 hours of ABA at home,

NOTE Confidence: 0.85736334

00:30:05.910 --> 00:30:08.717 right so it would look pretty like.

NOTE Confidence: 0.85736334

00:30:08.720 --> 00:30:10.700 Recognize that he was an impaired

NOTE Confidence: 0.85736334

00:30:10.700 --> 00:30:13.369 kit and at school he was attending

NOTE Confidence: 0.85736334

00:30:13.369 --> 00:30:15.931 special school for Children where their

NOTE Confidence: 0.85736334

00:30:15.931 --> 00:30:18.367 emotional and behavioral problems right.

NOTE Confidence: 0.85736334

00:30:18.370 --> 00:30:20.860 He was classified as having

NOTE Confidence: 0.85736334

00:30:20.860 --> 00:30:21.856 emotional disturbance.

NOTE Confidence: 0.85736334

00:30:21.860 --> 00:30:24.482 And in school, most of his

NOTE Confidence: 0.85736334

00:30:24.482 --> 00:30:26.230 stuff like programming was.

NOTE Confidence: 0.85736334

00:30:26.230 --> 00:30:30.550 Geared toward consequences based strategies.

NOTE Confidence: 0.85736334

00:30:30.550 --> 00:30:32.629 Now we thought long and hard whether

NOTE Confidence: 0.85736334

00:30:32.629 --> 00:30:35.377 or not we're going to help him and

NOTE Confidence: 0.85736334

00:30:35.377 --> 00:30:37.167 wonderful inclusion criteria was that

NOTE Confidence: 0.85736334

00:30:37.230 --> 00:30:39.198 children do not need other services

NOTE Confidence: 0.85736334

00:30:39.198 --> 00:30:41.506 and he was already receiving all other

NOTE Confidence: 0.85736334

00:30:41.506 --> 00:30:43.166 services that were humanly possible.

NOTE Confidence: 0.85736334

00:30:43.170 --> 00:30:47.330 So we thought that will put him in a study.

NOTE Confidence: 0.85736334

00:30:47.330 --> 00:30:50.724 And so we can put him in a study and he was

NOTE Confidence: 0.85736334

00:30:50.724 --> 00:30:53.510 treated by experienced clinician in the lab,

NOTE Confidence: 0.85736334

00:30:53.510 --> 00:30:55.940 turned down that he also had a lot of

NOTE Confidence: 0.85736334

00:30:55.940 --> 00:30:58.080 kind of like highly valued interest

NOTE Confidence: 0.85736334

00:30:58.080 --> 00:31:00.659 such as he was interested in Pokémon.

NOTE Confidence: 0.85736334

00:31:00.660 --> 00:31:02.914 So we rewrote all our kind of

NOTE Confidence: 0.85736334

00:31:02.914 --> 00:31:04.583 treatment materials with a Pokémon

NOTE Confidence: 0.85736334

00:31:04.583 --> 00:31:05.855 as the main character,

NOTE Confidence: 0.85736334

00:31:05.860 --> 00:31:07.480 and it also turned down,

NOTE Confidence: 0.85736334

00:31:07.480 --> 00:31:09.601 though some of his behaviors such as

NOTE Confidence: 0.85736334

00:31:09.601 --> 00:31:11.917 hugging with the repetitive behavior and he

NOTE Confidence: 0.85736334

00:31:11.917 --> 00:31:14.629 kind of like insisted on hugging his mother.

NOTE Confidence: 0.85736334

00:31:14.630 --> 00:31:16.580 And if it didn't feel right,

NOTE Confidence: 0.85736334

00:31:16.580 --> 00:31:17.358 so that.

NOTE Confidence: 0.85736334

00:31:17.358 --> 00:31:18.525 When aggressive behavior

NOTE Confidence: 0.85736334

00:31:18.525 --> 00:31:20.470 was very likely to happen,

NOTE Confidence: 0.85736334

00:31:20.470 --> 00:31:23.700 so it kind of like put in place a focused

NOTE Confidence: 0.85736334

00:31:23.788 --> 00:31:27.324 program on helping him to sort of reduce

NOTE Confidence: 0.85736334

00:31:27.324 --> 00:31:29.870 this restricted repetitive behavior.

NOTE Confidence: 0.85736334

00:31:29.870 --> 00:31:31.515 And we're also work hard with the

NOTE Confidence: 0.85736334

00:31:31.515 --> 00:31:33.522 school wrote a number of lettuce to

NOTE Confidence: 0.85736334

00:31:33.522 --> 00:31:35.077 change his classification to August,

NOTE Confidence: 0.85736334

00:31:35.080 --> 00:31:37.592 so we kept him in the study and

NOTE Confidence: 0.85736334

00:31:37.592 --> 00:31:39.724 he graduated from the study and

NOTE Confidence: 0.85736334

00:31:39.724 --> 00:31:41.866 we were extremely proud of him.

NOTE Confidence: 0.85736334

00:31:41.870 --> 00:31:45.360 Now this is the results, right?

NOTE Confidence: 0.85736334

00:31:45.360 --> 00:31:48.260 So 101 children were randomized,

NOTE Confidence: 0.85736334

00:31:48.260 --> 00:31:51.512 93 completed this study and at

NOTE Confidence: 0.85736334

00:31:51.512 --> 00:31:54.921 baseline there were about the same

NOTE Confidence: 0.85736334

00:31:54.921 --> 00:31:57.776 in terms of modified aggressive

NOTE Confidence: 0.85736334

00:31:57.776 --> 00:32:00.460 behavior scores at endpoint,

NOTE Confidence: 0.85736334

00:32:00.460 --> 00:32:05.129 where sore much stronger reduction in CBT

NOTE Confidence: 0.85736334

00:32:05.129 --> 00:32:08.960 compared to supportive therapy and on

NOTE Confidence: 0.85736334

00:32:08.960 --> 00:32:13.500 the CGI global Impression Scale was also 75%.

NOTE Confidence: 0.85736334

00:32:13.500 --> 00:32:15.660 Improvement in children who received

NOTE Confidence: 0.85736334

00:32:15.660 --> 00:32:18.683 CBT compared to 26% in children who

NOTE Confidence: 0.85736334

00:32:18.683 --> 00:32:19.976 receive supportive psychotherapy.

NOTE Confidence: 0.85736334

00:32:19.980 --> 00:32:22.566 So we called it good right?

NOTE Confidence: 0.85736334

00:32:22.570 --> 00:32:25.156 So we were pleased with that,

NOTE Confidence: 0.85736334

00:32:25.160 --> 00:32:27.752 that that was a strong clinical

NOTE Confidence: 0.85736334

00:32:27.752 --> 00:32:29.048 effect in Chrome.

NOTE Confidence: 0.85736334

00:32:29.050 --> 00:32:31.255 So production of aggressive behavior

NOTE Confidence: 0.85736334

00:32:31.255 --> 00:32:34.232 were also sort of changes in brain

NOTE Confidence: 0.85736334

00:32:34.232 --> 00:32:36.668 function and some of the regions that

NOTE Confidence: 0.85736334

00:32:36.668 --> 00:32:39.061 we were interested in specifically

NOTE Confidence: 0.85736334

00:32:39.061 --> 00:32:41.025 on the frustration induction

NOTE Confidence: 0.85736334

00:32:41.025 --> 00:32:43.375 gonna go we saw increased.

NOTE Confidence: 0.85736334

00:32:43.375 --> 00:32:45.195 Activity in rostral answer,

NOTE Confidence: 0.85736334

00:32:45.200 --> 00:32:47.660 general anterior Cingular Portis is

NOTE Confidence: 0.85736334

00:32:47.660 --> 00:32:51.074 an also changes in activity in medial

NOTE Confidence: 0.85736334

00:32:51.074 --> 00:32:53.259 and dorsal medial prefrontal cortex

NOTE Confidence: 0.85736334

00:32:53.259 --> 00:32:56.448 is so this is a 3 way interaction,

NOTE Confidence: 0.85736334

00:32:56.450 --> 00:32:56.900 right?

NOTE Confidence: 0.85736334

00:32:56.900 --> 00:32:59.600 So we kind of randomized studies,

NOTE Confidence: 0.85736334

00:32:59.600 --> 00:33:02.799 so two treatments two times before and

NOTE Confidence: 0.85736334

00:33:02.799 --> 00:33:05.464 after treatments and two condition of

NOTE Confidence: 0.85736334

00:33:05.464 --> 00:33:08.285 the task so that we interpret those

NOTE Confidence: 0.85736334

00:33:08.367 --> 00:33:11.205 results as increases in activity in

NOTE Confidence: 0.85736334

00:33:11.205 --> 00:33:14.784 those regions in children who were in CBT.

NOTE Confidence: 0.85736334

00:33:14.784 --> 00:33:17.310 After treatment control and for pre

NOTE Confidence: 0.85736334

00:33:17.393 --> 00:33:20.833 treatment and changes in supportive

NOTE Confidence: 0.85736334

00:33:20.833 --> 00:33:22.897 psychotherapy control condition.

NOTE Confidence: 0.85736334

00:33:22.900 --> 00:33:25.972 There were also changes in brain

NOTE Confidence: 0.85736334

00:33:25.972 --> 00:33:28.721 response to the phase processing

NOTE Confidence: 0.85736334

00:33:28.721 --> 00:33:31.711 task in dorsal anterior singulate

NOTE Confidence: 0.85736334

00:33:31.711 --> 00:33:34.103 and were also able

NOTE Confidence: 0.769391540000001

00:33:34.202 --> 00:33:38.450 to detect an A correlation of the magnitude

NOTE Confidence: 0.769391540000001

00:33:38.450 --> 00:33:41.752 of reduction in aggressive behavior and

NOTE Confidence: 0.769391540000001

00:33:41.752 --> 00:33:45.788 magnitude of change in an dorsal anterior

NOTE Confidence: 0.769391540000001

00:33:45.788 --> 00:33:49.310 singulate cortex response to faces in

NOTE Confidence: 0.769391540000001

00:33:49.310 --> 00:33:52.870 CBT compared to PST right so that.

NOTE Confidence: 0.769391540000001

00:33:52.870 --> 00:33:54.790 Those were very encouraging results

NOTE Confidence: 0.769391540000001

00:33:54.790 --> 00:33:56.710 and we're pleased with that.

NOTE Confidence: 0.769391540000001

00:33:56.710 --> 00:33:59.230 Now back to this 17 children

NOTE Confidence: 0.769391540000001

00:33:59.230 --> 00:34:00.910 who had autism right?

NOTE Confidence: 0.769391540000001

00:34:00.910 --> 00:34:04.270 So because that was a trans diagnostic study.

NOTE Confidence: 0.769391540000001

00:34:04.270 --> 00:34:07.399 Wanted to make sure that we include

NOTE Confidence: 0.769391540000001

00:34:07.399 --> 00:34:09.970 everybody and given the rest of

NOTE Confidence: 0.769391540000001

00:34:09.970 --> 00:34:12.250 our work and kids with autism,

NOTE Confidence: 0.769391540000001

00:34:12.250 --> 00:34:14.770 but didn't feel like excluding them.

NOTE Confidence: 0.769391540000001

00:34:14.770 --> 00:34:17.290 But if you think about clinical

NOTE Confidence: 0.769391540000001

00:34:17.290 --> 00:34:18.130 trials children,

NOTE Confidence: 0.769391540000001

00:34:18.130 --> 00:34:21.354 which is my usually excluded from trials in

NOTE Confidence: 0.769391540000001

00:34:21.354 --> 00:34:24.426 children with other disorders and vice versa.

NOTE Confidence: 0.769391540000001

00:34:24.430 --> 00:34:27.010 So we thought long and hard

NOTE Confidence: 0.769391540000001

00:34:27.010 --> 00:34:28.730 about the 17 children.

NOTE Confidence: 0.769391540000001

00:34:28.730 --> 00:34:31.578 They did your response not as robust as

NOTE Confidence: 0.769391540000001

00:34:31.578 --> 00:34:33.526 children without autism and behavioral

NOTE Confidence: 0.769391540000001

00:34:33.526 --> 00:34:35.860 problems in kids on the spectrum.

NOTE Confidence: 0.769391540000001

00:34:35.860 --> 00:34:37.906 I really sort of like different

NOTE Confidence: 0.769391540000001

00:34:37.906 --> 00:34:39.980 because of social deficits restricted,

NOTE Confidence: 0.769391540000001

00:34:39.980 --> 00:34:41.048 repetitive behaviors,

NOTE Confidence: 0.769391540000001

00:34:41.048 --> 00:34:42.116 sensory issues,

NOTE Confidence: 0.769391540000001

00:34:42.116 --> 00:34:44.786 another kind of striking example

NOTE Confidence: 0.769391540000001

00:34:44.786 --> 00:34:47.435 that comes to my mind is a girl

NOTE Confidence: 0.769391540000001

00:34:47.435 --> 00:34:49.802 who refused to go to school and if

NOTE Confidence: 0.769391540000001

00:34:49.802 --> 00:34:52.394 she did go to school she was very,

NOTE Confidence: 0.769391540000001

00:34:52.394 --> 00:34:54.722 very unhappy and refused to go

NOTE Confidence: 0.769391540000001

00:34:54.722 --> 00:34:56.860 from one room to the next.

NOTE Confidence: 0.769391540000001

00:34:56.860 --> 00:35:00.325 So it turned down she didn't like your shoes.

NOTE Confidence: 0.769391540000001

00:35:00.330 --> 00:35:00.668 Right,

NOTE Confidence: 0.769391540000001

00:35:00.668 --> 00:35:02.358 so his shoes were uncovered

NOTE Confidence: 0.769391540000001

00:35:02.358 --> 00:35:03.034 were uncomfortable,

NOTE Confidence: 0.769391540000001

00:35:03.040 --> 00:35:05.175 but she didn't have the words to

NOTE Confidence: 0.769391540000001

00:35:05.175 --> 00:35:07.634 kind of like explain this to to

NOTE Confidence: 0.769391540000001

00:35:07.634 --> 00:35:09.479 the parents into the teachers,

NOTE Confidence: 0.769391540000001

00:35:09.480 --> 00:35:11.322 so they're kind of like sensory

NOTE Confidence: 0.769391540000001

00:35:11.322 --> 00:35:12.243 issues translated themselves

NOTE Confidence: 0.769391540000001

00:35:12.243 --> 00:35:13.549 into behavioral problems,

NOTE Confidence: 0.769391540000001

00:35:13.550 --> 00:35:17.190 but it was not easy to get to the bottom

NOTE Confidence: 0.769391540000001

00:35:17.283 --> 00:35:20.559 of the sensory issues with the skin.

NOTE Confidence: 0.769391540000001

00:35:20.560 --> 00:35:23.240 So we really wanted to see if it

NOTE Confidence: 0.769391540000001

00:35:23.240 --> 00:35:25.948 gives him the spectrum are different

NOTE Confidence: 0.769391540000001

00:35:25.948 --> 00:35:28.388 not only in their behaviors,

NOTE Confidence: 0.769391540000001

00:35:28.390 --> 00:35:30.856 but also in their brain response

NOTE Confidence: 0.769391540000001

00:35:30.856 --> 00:35:31.678 to frustration.

NOTE Confidence: 0.769391540000001

00:35:31.680 --> 00:35:35.388 And we did what no one has done before,

NOTE Confidence: 0.769391540000001

00:35:35.390 --> 00:35:35.802 right?

NOTE Confidence: 0.769391540000001

00:35:35.802 --> 00:35:37.862 So we compared children with

NOTE Confidence: 0.769391540000001

00:35:37.862 --> 00:35:39.510 autism plus aggressive behavior.

NOTE Confidence: 0.769391540000001

00:35:39.510 --> 00:35:41.945 We would call it disruptive

00:35:41.945 --> 00:35:43.893 behavior in this paper.

00:35:43.900 --> 00:35:46.833 For children with autism who have no

00:35:46.833 --> 00:35:49.509 disruptive behavior at all and no anxiety,

00:35:49.510 --> 00:35:49.873 right?

00:35:49.873 --> 00:35:52.051 So we found children with autism

00:35:52.051 --> 00:35:54.330 who come who don't misbehave,

00:35:54.330 --> 00:35:55.530 corner, anxious rank,

00:35:55.530 --> 00:35:57.530 who just kind of like,

00:35:57.530 --> 00:35:59.540 have core symptoms and basically

00:35:59.540 --> 00:36:01.950 nothing else except a little ADHD.

00:36:01.950 --> 00:36:05.150 We will look for them high and low,

00:36:05.150 --> 00:36:07.754 and we found them will match them

00:36:07.754 --> 00:36:10.767 with our sample of children with autism.

00:36:10.770 --> 00:36:14.144 And we put them through fMRI experiments.

00:36:14.150 --> 00:36:17.006 And here I want to give a shout

00:36:17.006 --> 00:36:19.329 out to Corinne Abraham,

NOTE Confidence: 0.769391540000001

00:36:19.330 --> 00:36:22.424 a great guy computer pose down became

NOTE Confidence: 0.769391540000001

00:36:22.424 --> 00:36:25.443 junior faculty this year waiting for his

NOTE Confidence: 0.769391540000001

00:36:25.443 --> 00:36:28.410 career work to be reviewed next month.

NOTE Confidence: 0.769391540000001

00:36:28.410 --> 00:36:31.427 And so he published this amazing paper.

NOTE Confidence: 0.769391540000001

00:36:31.430 --> 00:36:33.940 First people that compared children

NOTE Confidence: 0.769391540000001

00:36:33.940 --> 00:36:36.988 with autism with disruptive behavior to

NOTE Confidence: 0.769391540000001

00:36:36.988 --> 00:36:39.323 children with autism without disruptive

NOTE Confidence: 0.769391540000001

00:36:39.323 --> 00:36:42.029 behavior and the results were clear.

NOTE Confidence: 0.769391540000001

00:36:42.030 --> 00:36:45.270 Amygdala to ventrolateral preferrable

NOTE Confidence: 0.769391540000001

00:36:45.270 --> 00:36:50.130 cortex connectivity is a brain signal

NOTE Confidence: 0.769391540000001

00:36:50.242 --> 00:36:53.697 that separated those two groups,

NOTE Confidence: 0.769391540000001

00:36:53.700 --> 00:36:55.740 and.

NOTE Confidence: 0.769391540000001

00:36:55.740 --> 00:36:58.330 The weaker of the connectivity at the

NOTE Confidence: 0.769391540000001

00:36:58.330 --> 00:37:00.336 Great Giant was aggressive behavior

NOTE Confidence: 0.769391540000001

00:37:00.336 --> 00:37:02.808 so that that was quite amazing

NOTE Confidence: 0.769391540000001

00:37:02.808 --> 00:37:05.238 and sort of like for what's it?

NOTE Confidence: 0.769391540000001

00:37:05.240 --> 00:37:05.609 Worse,

NOTE Confidence: 0.769391540000001

00:37:05.609 --> 00:37:05.978 I,

NOTE Confidence: 0.769391540000001

00:37:05.978 --> 00:37:08.930 I feel that we're sitting on a biomarker

NOTE Confidence: 0.7754688

00:37:09.011 --> 00:37:11.579 of aggression and autism so that

NOTE Confidence: 0.7754688

00:37:11.579 --> 00:37:13.890 this is really remarkable result.

NOTE Confidence: 0.7754688

00:37:13.890 --> 00:37:16.781 Now Karim is doing even more exciting

NOTE Confidence: 0.7754688

00:37:16.781 --> 00:37:19.914 things where he is looking at the

NOTE Confidence: 0.7754688

00:37:19.914 --> 00:37:22.626 connector on prediction of aggression in

NOTE Confidence: 0.7754688

00:37:22.712 --> 00:37:25.876 a sample of all children with aggressive

NOTE Confidence: 0.7754688

00:37:25.876 --> 00:37:28.310 behavior with and without autism,

NOTE Confidence: 0.7754688

00:37:28.310 --> 00:37:31.520 where he is using a brain

NOTE Confidence: 0.7754688

00:37:31.520 --> 00:37:34.198 parcellation Atlas that consists of.

NOTE Confidence: 0.7754688

00:37:34.200 --> 00:37:37.301 268 and not, and the correlation amongst

NOTE Confidence: 0.7754688

00:37:37.301 --> 00:37:41.358 this nods is then used to predict behavior

NOTE Confidence: 0.7754688

00:37:41.358 --> 00:37:43.993 aggressive behavior in this case.

NOTE Confidence: 0.7754688

00:37:44.000 --> 00:37:46.555 So dorsal lateral ventral lateral

NOTE Confidence: 0.7754688

00:37:46.555 --> 00:37:49.639 prefrontal cortex is come up as

NOTE Confidence: 0.7754688

00:37:49.639 --> 00:37:51.839 central nodes in this models.

NOTE Confidence: 0.7754688

00:37:51.840 --> 00:37:55.053 And what's exciting when you breakdown the

NOTE Confidence: 0.7754688

00:37:55.053 --> 00:37:57.720 subgroups by Corcoran disorders, right?

NOTE Confidence: 0.7754688

00:37:57.720 --> 00:37:59.680 So the networks change,

NOTE Confidence: 0.7754688

00:37:59.680 --> 00:38:02.165 but the keynotes in ventral

NOTE Confidence: 0.7754688

00:38:02.165 --> 00:38:04.650 lateral and ventral medial cortex.

NOTE Confidence: 0.7754688

00:38:04.650 --> 00:38:05.931 Remained the same,

NOTE Confidence: 0.7754688

00:38:05.931 --> 00:38:08.066 so we're hopeful that Network

NOTE Confidence: 0.7754688

00:38:08.066 --> 00:38:10.952 Connect to modeling can be a tool

NOTE Confidence: 0.7754688

00:38:10.952 --> 00:38:12.907 that would enable more precise,

NOTE Confidence: 0.7754688

00:38:12.910 --> 00:38:16.120 newer prediction of who will respond

NOTE Confidence: 0.7754688

00:38:16.120 --> 00:38:19.880 and who will not respond to CBT.

NOTE Confidence: 0.7754688

00:38:19.880 --> 00:38:21.212 So now moving on.

NOTE Confidence: 0.7754688

00:38:21.212 --> 00:38:23.669 I want to change gears a little

NOTE Confidence: 0.7754688

00:38:23.669 --> 00:38:26.280 bit and tell you about the study

NOTE Confidence: 0.7754688

00:38:26.280 --> 00:38:28.729 that we have been conducting for

NOTE Confidence: 0.7754688

00:38:28.729 --> 00:38:31.535 the past three years or so and

NOTE Confidence: 0.7754688

00:38:31.535 --> 00:38:33.785 continued to conduct it during kovit.

NOTE Confidence: 0.7754688

00:38:33.790 --> 00:38:37.174 So I I thought that I will share our

NOTE Confidence: 0.7754688

00:38:37.174 --> 00:38:39.836 experiences with you and kind of tell us

NOTE Confidence: 0.7754688

00:38:39.836 --> 00:38:42.817 to tell you about what lessons learn.

NOTE Confidence: 0.7754688

00:38:42.820 --> 00:38:45.130 So this trial is similar in design

NOTE Confidence: 0.7754688

00:38:45.130 --> 00:38:47.097 but different in treatment and

NOTE Confidence: 0.7754688

00:38:47.097 --> 00:38:49.120 in treatment targets, right so?

NOTE Confidence: 0.7754688

00:38:49.120 --> 00:38:51.760 This is a study of CBT in children

NOTE Confidence: 0.7754688

00:38:51.839 --> 00:38:52.739 with autism,

NOTE Confidence: 0.7754688

00:38:52.740 --> 00:38:54.400 and we're specifically treating anxiety

NOTE Confidence: 0.7754688

00:38:54.400 --> 00:38:56.061 in children with autism, right?

NOTE Confidence: 0.7754688

00:38:56.061 --> 00:38:57.716 So why is that so?

NOTE Confidence: 0.7754688

00:38:57.720 --> 00:38:59.916 Why am I switching from irritability

NOTE Confidence: 0.7754688

00:38:59.916 --> 00:39:02.304 to anxiety so sharply and we got

NOTE Confidence: 0.7754688

00:39:02.304 --> 00:39:04.026 funded to do this study right?

NOTE Confidence: 0.7754688

00:39:04.030 --> 00:39:06.263 And we really wanted to do this

NOTE Confidence: 0.7754688

00:39:06.263 --> 00:39:08.680 study and we have been doing it.

NOTE Confidence: 0.7754688

00:39:08.680 --> 00:39:10.004 And anxiety and irritability

NOTE Confidence: 0.7754688

00:39:10.004 --> 00:39:10.997 at different things.

NOTE Confidence: 0.7754688

00:39:11.000 --> 00:39:14.696 Even though people often confuse them so.

NOTE Confidence: 0.7754688

00:39:14.700 --> 00:39:17.094 Don't be surprised if by the end

NOTE Confidence: 0.7754688

00:39:17.094 --> 00:39:20.140 of this talk I I will fail to

NOTE Confidence: 0.7754688

00:39:20.140 --> 00:39:22.080 explain the difference between the

NOTE Confidence: 0.7754688

00:39:22.158 --> 00:39:24.060 two and I'll try my best.

NOTE Confidence: 0.7754688

00:39:24.060 --> 00:39:26.370 So this is a study of CBT

NOTE Confidence: 0.7754688

00:39:26.370 --> 00:39:28.020 for anxiety in autism.

NOTE Confidence: 0.7754688

00:39:28.020 --> 00:39:30.812 We've been running it for him severally for

NOTE Confidence: 0.7754688

00:39:30.812 --> 00:39:33.418 three years with projected sample of 100,

NOTE Confidence: 0.7754688

00:39:33.420 --> 00:39:35.940 so were recruited 62 children to date.

NOTE Confidence: 0.7754688

00:39:35.940 --> 00:39:38.844 This is for children with which is my

NOTE Confidence: 0.7754688

00:39:38.844 --> 00:39:41.512 anxiety in the age range of eight to

NOTE Confidence: 0.7754688

00:39:41.512 --> 00:39:45.028 14 and kids are treated with CBT for anxiety.

NOTE Confidence: 0.7754688

00:39:45.030 --> 00:39:46.666 Which has cognitive behavioral

NOTE Confidence: 0.7754688

00:39:46.666 --> 00:39:49.120 principles but very different from CBT.

NOTE Confidence: 0.7754688

00:39:49.120 --> 00:39:51.829 For her to be able to essentially

NOTE Confidence: 0.7754688

00:39:51.829 --> 00:39:54.700 is based on exposure and response

NOTE Confidence: 0.7754688

00:39:54.700 --> 00:39:57.946 prevention and sort of like various

NOTE Confidence: 0.7754688

00:39:57.946 --> 00:40:00.558 forms of social support hand.

NOTE Confidence: 0.7754688

00:40:00.560 --> 00:40:02.370 Like help with social deficits

NOTE Confidence: 0.7754688

00:40:02.370 --> 00:40:03.456 confirmed by autism.

NOTE Confidence: 0.7754688

00:40:03.460 --> 00:40:05.650 Now we've been conducting this study

NOTE Confidence: 0.7754688

00:40:05.650 --> 00:40:08.548 remotely and now we are back in business.

NOTE Confidence: 0.7754688

00:40:08.550 --> 00:40:09.344 In fact,

NOTE Confidence: 0.7754688

00:40:09.344 --> 00:40:11.726 our first reactivation subject is scheduled

NOTE Confidence: 0.7754688

00:40:11.726 --> 00:40:14.348 for next week and this is our flyer.

NOTE Confidence: 0.7754688

00:40:14.350 --> 00:40:16.950 So kind of like at a loss of

NOTE Confidence: 0.7754688

00:40:16.950 --> 00:40:19.800 where do we hang our flights now?

NOTE Confidence: 0.7754688

00:40:19.800 --> 00:40:21.998 So I thought that I will show

NOTE Confidence: 0.7754688

00:40:21.998 --> 00:40:24.519 it here so please refer right.

NOTE Confidence: 0.7754688

00:40:24.520 --> 00:40:26.830 So we're looking for participants

NOTE Confidence: 0.7754688

00:40:26.830 --> 00:40:29.430 and I would greatly appreciate it.

NOTE Confidence: 0.7754688

00:40:29.430 --> 00:40:31.746 If you would spread the word.

NOTE Confidence: 0.8415087

00:40:31.750 --> 00:40:34.100 Now, how is anxiety and

NOTE Confidence: 0.8415087

00:40:34.100 --> 00:40:35.980 irritability are connected, right?

NOTE Confidence: 0.8415087

00:40:35.980 --> 00:40:39.270 So obviously many kids would have both.

NOTE Confidence: 0.8415087

00:40:39.270 --> 00:40:43.030 Now for this study of CBD for anxiety.

NOTE Confidence: 0.8415087

00:40:43.030 --> 00:40:46.024 For autism we actually excluded children

NOTE Confidence: 0.8415087

00:40:46.024 --> 00:40:48.512 with aggressive behavior that was

NOTE Confidence: 0.8415087

00:40:48.512 --> 00:40:51.014 severe enough to warrant a diagnosis,

NOTE Confidence: 0.8415087

00:40:51.020 --> 00:40:53.840 but a bunch of kids still

NOTE Confidence: 0.8415087

00:40:53.840 --> 00:40:55.250 had disruptive behaviors,

NOTE Confidence: 0.8415087

00:40:55.250 --> 00:40:59.480 and when we had 50 subjects in this study,

NOTE Confidence: 0.8415087

00:40:59.480 --> 00:41:02.378 we decided to take a look.

NOTE Confidence: 0.8415087

00:41:02.380 --> 00:41:05.446 At what is sort of irritability

NOTE Confidence: 0.8415087

00:41:05.446 --> 00:41:06.979 and aggressive behavior.

NOTE Confidence: 0.8415087

00:41:06.980 --> 00:41:10.310 Doing to this kids and their

NOTE Confidence: 0.8415087

00:41:10.310 --> 00:41:13.667 lifes and a striking result came

NOTE Confidence: 0.8415087

00:41:13.667 --> 00:41:17.747 out so it turned out that in this

NOTE Confidence: 0.8415087

00:41:17.860 --> 00:41:21.256 study or 52 children with the.

NOTE Confidence: 0.8415087

00:41:21.260 --> 00:41:23.240 What is an anxiety?

NOTE Confidence: 0.8415087

00:41:23.240 --> 00:41:25.715 Those who had right addressed

NOTE Confidence: 0.8415087

00:41:25.715 --> 00:41:29.235 him behavior measured by CDCD

NOTE Confidence: 0.8415087

00:41:29.235 --> 00:41:31.434 aggressive behavior subscale?

NOTE Confidence: 0.8415087

00:41:31.440 --> 00:41:35.825 Above the card off of T score of 65, right?

NOTE Confidence: 0.8415087

00:41:35.825 --> 00:41:38.590 So when we compare this to subgroups

NOTE Confidence: 0.8415087

00:41:38.590 --> 00:41:41.422 so aggressive behavior had a dramatic

NOTE Confidence: 0.8415087

00:41:41.422 --> 00:41:43.394 impact on violence socialization,

NOTE Confidence: 0.8415087

00:41:43.400 --> 00:41:43.813 right?

NOTE Confidence: 0.8415087

00:41:43.813 --> 00:41:45.878 So aggressive behavior pushed down

NOTE Confidence: 0.8415087

00:41:45.878 --> 00:41:48.087 the scores on violence socialization

NOTE Confidence: 0.8415087

00:41:48.087 --> 00:41:50.453 by 1 standard deviation, right?

NOTE Confidence: 0.8415087

00:41:50.453 --> 00:41:53.274 And if you think about sort of

NOTE Confidence: 0.8415087

00:41:53.274 --> 00:41:55.455 autism kids already super impaired

NOTE Confidence: 0.8415087

00:41:55.455 --> 00:41:58.451 and kind of like our group of

NOTE Confidence: 0.8415087

00:41:58.540 --> 00:42:00.928 organisms without aggression.

NOTE Confidence: 0.8415087

00:42:00.930 --> 00:42:02.766 Violent scores of 70,

NOTE Confidence: 0.8415087

00:42:02.766 --> 00:42:05.520 but when you add aggressive behavior,

NOTE Confidence: 0.8415087

00:42:05.520 --> 00:42:08.268 violence cords go down to 60,

NOTE Confidence: 0.8415087

00:42:08.270 --> 00:42:11.126 so this really is striking to me

NOTE Confidence: 0.8415087

00:42:11.126 --> 00:42:14.943 and it goes to show that even when

NOTE Confidence: 0.8415087

00:42:14.943 --> 00:42:17.443 kids are invited and evaluated,

NOTE Confidence: 0.8415087

00:42:17.450 --> 00:42:19.750 super careful therefore kind of

NOTE Confidence: 0.8415087

00:42:19.750 --> 00:42:21.590 Corcoran disorders and psychopathology.

NOTE Confidence: 0.8415087

00:42:21.590 --> 00:42:24.470 You really need to pay attention

NOTE Confidence: 0.8415087

00:42:24.470 --> 00:42:26.390 for aggressive behavior because

NOTE Confidence: 0.8415087

00:42:26.465 --> 00:42:29.244 even if they are not reaching the

NOTE Confidence: 0.8415087

00:42:29.244 --> 00:42:31.490 level of diagnostic significance.

NOTE Confidence: 0.8415087

00:42:31.490 --> 00:42:34.405 They can still impact shells

NOTE Confidence: 0.8415087

00:42:34.405 --> 00:42:36.737 function in profound ways.

NOTE Confidence: 0.8415087

00:42:36.740 --> 00:42:39.884 And this work was done by Carla Calvin.

NOTE Confidence: 0.8415087

00:42:39.890 --> 00:42:42.578 I postdoc in my lab who has

NOTE Confidence: 0.8415087

00:42:42.578 --> 00:42:44.620 done remarkable work with that,

NOTE Confidence: 0.8415087

00:42:44.620 --> 00:42:46.590 treating a lot of children,

NOTE Confidence: 0.8415087

00:42:46.590 --> 00:42:48.530 an unpacking their phenomenon,

NOTE Confidence: 0.8415087

00:42:48.530 --> 00:42:51.440 the kind of phenomenology or Corcoran

NOTE Confidence: 0.8415087

00:42:51.514 --> 00:42:54.448 problems in a serious of terrific

NOTE Confidence: 0.8415087

00:42:54.448 --> 00:42:56.750 presentations. In publications.

NOTE Confidence: 0.8415087

00:42:56.750 --> 00:42:58.560 So now.

NOTE Confidence: 0.8317948

00:43:03.600 --> 00:43:05.952 Where, where are things now, right?

NOTE Confidence: 0.8317948

00:43:05.952 --> 00:43:08.696 So what did we do during covert?

NOTE Confidence: 0.8317948

00:43:08.700 --> 00:43:11.358 So the University moved to remote

NOTE Confidence: 0.8317948

00:43:11.358 --> 00:43:14.627 working on March 16th an we had 12

NOTE Confidence: 0.8317948

00:43:14.627 --> 00:43:17.197 subjects in the active phase of the

NOTE Confidence: 0.8317948

00:43:17.197 --> 00:43:20.093 study and we felt that we needed to

NOTE Confidence: 0.8317948

00:43:20.093 --> 00:43:23.197 treat them and we preceded to treat them.

NOTE Confidence: 0.8317948

00:43:23.200 --> 00:43:25.546 So we move all our words.

NOTE Confidence: 0.8317948

00:43:25.550 --> 00:43:28.582 Sort of like treatment to zoom and we

NOTE Confidence: 0.8317948

00:43:28.582 --> 00:43:31.757 moved our data collection to Qualtrics.

NOTE Confidence: 0.8317948

00:43:31.760 --> 00:43:33.404 Anne working with kids.

NOTE Confidence: 0.8317948

00:43:33.404 --> 00:43:35.870 We've learned a great deal from

NOTE Confidence: 0.8317948

00:43:35.946 --> 00:43:37.738 them and their families.

NOTE Confidence: 0.8317948

00:43:37.740 --> 00:43:39.780 How to sort of support families

NOTE Confidence: 0.8317948

00:43:39.780 --> 00:43:41.797 of children on the spectrum

NOTE Confidence: 0.8317948

00:43:41.797 --> 00:43:44.137 through those unprecedented times.

NOTE Confidence: 0.8317948

00:43:44.140 --> 00:43:46.702 The family stress and kind of

NOTE Confidence: 0.8317948

00:43:46.702 --> 00:43:48.410 anxiety about getting covid.

NOTE Confidence: 0.8317948

00:43:48.410 --> 00:43:50.942 It was just striking and I'm

NOTE Confidence: 0.8317948

00:43:50.942 --> 00:43:53.560 extremely grateful to my lab to

NOTE Confidence: 0.8317948

00:43:53.560 --> 00:43:55.665 Carl and Kareem and otherwise.

NOTE Confidence: 0.8317948

00:43:55.670 --> 00:43:58.010 So we're kind of free clinicians

NOTE Confidence: 0.8317948

00:43:58.010 --> 00:44:00.799 who really hit the ground running,

NOTE Confidence: 0.8317948

00:44:00.800 --> 00:44:03.172 working with families and.

NOTE Confidence: 0.8317948

00:44:03.172 --> 00:44:06.137 Just being available to everybody

NOTE Confidence: 0.8317948

00:44:06.137 --> 00:44:09.133 to provide study treatments

NOTE Confidence: 0.8317948

00:44:09.133 --> 00:44:11.440 and whatever supportive.

NOTE Confidence: 0.8317948

00:44:11.440 --> 00:44:13.100 Communications we were able

NOTE Confidence: 0.8317948

00:44:13.100 --> 00:44:15.175 to offer during this time,

NOTE Confidence: 0.8317948

00:44:15.180 --> 00:44:18.060 so some of the most important issues were

NOTE Confidence: 0.8317948

00:44:18.060 --> 00:44:20.989 loss of structure and daily routines.

NOTE Confidence: 0.8317948

00:44:20.990 --> 00:44:22.650 Loss of school services

NOTE Confidence: 0.8317948

00:44:22.650 --> 00:44:24.310 for children with autism.

NOTE Confidence: 0.8317948

00:44:24.310 --> 00:44:26.722 As far as treating pre pre

NOTE Confidence: 0.8317948

00:44:26.722 --> 00:44:28.870 existing pre covid anxiety right?

NOTE Confidence: 0.8317948

00:44:28.870 --> 00:44:31.901 So if you had fear of Heights

NOTE Confidence: 0.8317948

00:44:31.901 --> 00:44:33.849 there was nowhere to go.

NOTE Confidence: 0.8317948

00:44:33.850 --> 00:44:36.256 If you have fear of crowds

NOTE Confidence: 0.8317948

00:44:36.256 --> 00:44:38.420 you have to stay home.

NOTE Confidence: 0.8317948

00:44:38.420 --> 00:44:42.263 So really it was really hard to kind of.

NOTE Confidence: 0.8317948

00:44:42.270 --> 00:44:44.500 Address issues that brought children

NOTE Confidence: 0.8317948

00:44:44.500 --> 00:44:47.200 in the study to begin with.

NOTE Confidence: 0.8317948

00:44:47.200 --> 00:44:49.068 But other problems just

NOTE Confidence: 0.8317948

00:44:49.068 --> 00:44:50.469 became extremely dramatic,

NOTE Confidence: 0.8317948

00:44:50.470 --> 00:44:54.250 such as learning to use zoom for kids on

NOTE Confidence: 0.8317948

00:44:54.250 --> 00:44:58.408 the spectrum and refusing to go to school,

NOTE Confidence: 0.8317948

00:44:58.410 --> 00:45:00.009 online separation anxiety.

NOTE Confidence: 0.8317948

00:45:00.009 --> 00:45:02.674 Kids were extremely worried about

NOTE Confidence: 0.8317948

00:45:02.674 --> 00:45:04.971 their parents getting kovit when

NOTE Confidence: 0.8317948

00:45:04.971 --> 00:45:07.275 parents are out of the house,

NOTE Confidence: 0.8317948

00:45:07.280 --> 00:45:09.770 so we're trying to advance to

NOTE Confidence: 0.8317948

00:45:09.770 --> 00:45:12.052 be helpful with this issues

NOTE Confidence: 0.8317948

00:45:12.052 --> 00:45:14.747 while conducting how it studies.

NOTE Confidence: 0.8317948

00:45:14.750 --> 00:45:17.871 So this is a research project, right?

NOTE Confidence: 0.8317948

00:45:17.871 --> 00:45:18.493 So that.

NOTE Confidence: 0.8317948

00:45:18.493 --> 00:45:20.670 Our job as researchers is to run

NOTE Confidence: 0.8317948

00:45:20.740 --> 00:45:23.140 clinical trials in accordance with

NOTE Confidence: 0.8317948

00:45:23.140 --> 00:45:24.580 standardized research protocols

NOTE Confidence: 0.8317948

00:45:24.580 --> 00:45:27.475 so that we videotape everything we

NOTE Confidence: 0.8317948

00:45:27.475 --> 00:45:30.277 documented everything and we're actually had,

NOTE Confidence: 0.8317948

00:45:30.280 --> 00:45:32.692 like a great manuscript that we

NOTE Confidence: 0.8317948

00:45:32.692 --> 00:45:34.860 are ready to submit about,

NOTE Confidence: 0.8317948

00:45:34.860 --> 00:45:38.250 then treating anxiety in children with

NOTE Confidence: 0.8317948

00:45:38.250 --> 00:45:40.510 ordering during COVID-19 pandemic.

NOTE Confidence: 0.8317948

00:45:40.510 --> 00:45:43.238 As far as what are we going to

NOTE Confidence: 0.8317948

00:45:43.238 --> 00:45:46.442 do with this 12 kits so there

NOTE Confidence: 0.8317948

00:45:46.442 --> 00:45:48.867 is tremendous variability in how

NOTE Confidence: 0.8317948

00:45:48.963 --> 00:45:51.839 we drive administered treatment,

NOTE Confidence: 0.8317948

00:45:51.840 --> 00:45:54.200 how we conducted data collection

NOTE Confidence: 0.8317948

00:45:54.200 --> 00:45:56.088 changes in the timelines,

NOTE Confidence: 0.8317948

00:45:56.090 --> 00:45:58.916 and so on and so forth.

NOTE Confidence: 0.8317948

00:45:58.920 --> 00:46:01.825 So these are some of the results

NOTE Confidence: 0.8317948

00:46:01.825 --> 00:46:04.579 on our primary outcome measure.

NOTE Confidence: 0.8308328

00:46:06.840 --> 00:46:09.595 Pediatric Anxiety rating scale and

NOTE Confidence: 0.8308328

00:46:09.595 --> 00:46:12.810 I should give Shannon out too.

NOTE Confidence: 0.8308328

00:46:12.810 --> 00:46:15.512 To hide the grants, who is our

NOTE Confidence: 0.8308328

00:46:15.512 --> 00:46:18.089 independent rater and to Rebecca Jordan,

NOTE Confidence: 0.8308328

00:46:18.090 --> 00:46:20.235 the study coordinator who really

NOTE Confidence: 0.8308328

00:46:20.235 --> 00:46:22.814 worked incredibly hard to make sure

NOTE Confidence: 0.8308328

00:46:22.814 --> 00:46:25.341 that we can get this data remotely

NOTE Confidence: 0.8308328

00:46:25.341 --> 00:46:27.426 from families and children, right?

NOTE Confidence: 0.8308328

00:46:27.426 --> 00:46:29.456 So this interview is conducted

NOTE Confidence: 0.8308328

00:46:29.456 --> 00:46:31.080 with family and child.

NOTE Confidence: 0.8308328

00:46:31.080 --> 00:46:35.140 So here if I can see it on my screen.

NOTE Confidence: 0.8063424

00:46:37.780 --> 00:46:40.764 So subjects in CBT condition are shown in

NOTE Confidence: 0.8063424

00:46:40.764 --> 00:46:43.712 blue and subject in supportive psychotherapy

NOTE Confidence: 0.8063424

00:46:43.712 --> 00:46:46.892 condition as shown in orange right?

NOTE Confidence: 0.8063424

00:46:46.900 --> 00:46:50.860 And as you can see and then the green dotted

NOTE Confidence: 0.8063424

00:46:50.955 --> 00:46:54.644 line is when University closed for covid.

NOTE Confidence: 0.8063424

74

00:46:54.650 --> 00:46:59.778 So these are kids who were in treatment.

NOTE Confidence: 0.8063424

00:46:59.780 --> 00:47:02.468 Or on the day of covert right?

NOTE Confidence: 0.8063424

00:47:02.470 --> 00:47:04.801 So that they were like a couple

NOTE Confidence: 0.8063424

00:47:04.801 --> 00:47:07.161 of kids who were evaluated pretty

NOTE Confidence: 0.8063424

00:47:07.161 --> 00:47:10.143 closely to the to the green line.

NOTE Confidence: 0.8063424

00:47:10.150 --> 00:47:12.070 And as you can see,

NOTE Confidence: 0.8063424

00:47:12.070 --> 00:47:15.584 blue subjects right subject in CBT there

NOTE Confidence: 0.8063424

00:47:15.584 --> 00:47:18.247 showing some reduction in anxiety but

NOTE Confidence: 0.8063424

00:47:18.247 --> 00:47:21.240 not by much right now when you look.

NOTE Confidence: 0.8063424

00:47:21.240 --> 00:47:23.648 Through April and May so kind of

NOTE Confidence: 0.8063424

00:47:23.648 --> 00:47:25.594 like anxiety is sustained pretty

NOTE Confidence: 0.8063424

00:47:25.594 --> 00:47:28.120 high and Paris has its limits.

NOTE Confidence: 0.8063424

00:47:28.120 --> 00:47:30.703 So what was interesting to me is

NOTE Confidence: 0.8063424

00:47:30.703 --> 00:47:33.457 that it didn't go through the roof,

NOTE Confidence: 0.8063424

00:47:33.460 --> 00:47:35.758 but certainly didn't improve by much.

NOTE Confidence: 0.8063424

00:47:35.760 --> 00:47:38.441 And then by July and August when

NOTE Confidence: 0.8063424

00:47:38.441 --> 00:47:40.782 subjects were getting to the end

NOTE Confidence: 0.8063424

00:47:40.782 --> 00:47:43.008 point assessments that we call them.

NOTE Confidence: 0.8063424

00:47:43.010 --> 00:47:45.684 So we saw reduction in blue lines.

NOTE Confidence: 0.8063424

00:47:45.690 --> 00:47:48.738 But we're also saw reduction in Orange line,

NOTE Confidence: 0.8063424

00:47:48.740 --> 00:47:51.967 so that if we were to compare.

NOTE Confidence: 0.8063424

00:47:51.970 --> 00:47:53.506 Focus CBT for anxiety.

NOTE Confidence: 0.8063424

00:47:53.506 --> 00:47:55.426 In order like highly specialized

NOTE Confidence: 0.8063424

00:47:55.426 --> 00:47:56.530 training to support.

NOTE Confidence: 0.8063424

00:47:56.530 --> 00:47:58.840 It's like a therapy during covid so

NOTE Confidence: 0.8063424

00:47:58.840 --> 00:48:01.517 I think we probably won't see the

NOTE Confidence: 0.8063424

00:48:01.517 --> 00:48:04.510 difference because it was hard to target.

NOTE Confidence: 0.8063424

00:48:04.510 --> 00:48:07.170 It was hard to address targeted symptoms,

NOTE Confidence: 0.8063424

00:48:07.170 --> 00:48:09.538 but the new problems came up and I

NOTE Confidence: 0.8063424

00:48:09.538 --> 00:48:11.623 think that supportive therapy was

NOTE Confidence: 0.8063424

00:48:11.623 --> 00:48:14.003 really critical during this period.

NOTE Confidence: 0.8063424

00:48:14.010 --> 00:48:16.970 So I think the bottom line is that

NOTE Confidence: 0.8063424

00:48:16.970 --> 00:48:20.085 we help the family as best we can.

NOTE Confidence: 0.8063424

00:48:20.090 --> 00:48:22.974 We collected the data best we can.

NOTE Confidence: 0.8063424

00:48:22.980 --> 00:48:25.423 And we think that that was really

NOTE Confidence: 0.8063424

00:48:25.423 --> 00:48:28.337 good for us to continue this study,

NOTE Confidence: 0.8063424

00:48:28.340 --> 00:48:31.100 and I hope that we help the families

NOTE Confidence: 0.8063424

00:48:31.100 --> 00:48:32.560 who were involved.

NOTE Confidence: 0.8063424

00:48:32.560 --> 00:48:32.906 Now,

NOTE Confidence: 0.8063424

00:48:32.906 --> 00:48:35.328 how does this connect to the topic

NOTE Confidence: 0.8063424

00:48:35.328 --> 00:48:38.105 of our lecture today? Irritability.

NOTE Confidence: 0.8063424

00:48:38.105 --> 00:48:40.970 So of course.

NOTE Confidence: 0.8063424

00:48:40.970 --> 00:48:43.063 You know we won't be the Super

NOTE Confidence: 0.8063424

00:48:43.063 --> 00:48:45.390 Dulski lab if we didn't measure

NOTE Confidence: 0.8063424

00:48:45.390 --> 00:48:47.645 irritability in every possible way.

NOTE Confidence: 0.8063424

00:48:47.650 --> 00:48:49.762 So here will measure irritability with

NOTE Confidence: 0.8063424

00:48:49.762 --> 00:48:51.730 a scale called disruptive behavior.

NOTE Confidence: 0.8063424

00:48:51.730 --> 00:48:53.002 Rating scale and remember.

NOTE Confidence: 0.8063424

00:48:53.002 --> 00:48:55.400 So this is a study for children

NOTE Confidence: 0.8063424

00:48:55.400 --> 00:48:57.896 who do not meet criteria for

NOTE Confidence: 0.8063424

00:48:57.896 --> 00:48:59.144 high disruptive behaviors,

NOTE Confidence: 0.8063424

00:48:59.150 --> 00:49:01.747 so everybody was kind of like below.

NOTE Confidence: 0.8063424

00:49:01.750 --> 00:49:03.038 This cutoff of 12,

NOTE Confidence: 0.8063424

00:49:03.038 --> 00:49:06.395 but one kid kind of like spiked up in

NOTE Confidence: 0.8063424

00:49:06.395 --> 00:49:09.089 the scores and disruptive behavior right

NOTE Confidence: 0.8063424

00:49:09.089 --> 00:49:11.715 around the time when we got closed.

NOTE Confidence: 0.8063424

00:49:11.720 --> 00:49:13.922 Down for Kogate we work with

NOTE Confidence: 0.8063424

00:49:13.922 --> 00:49:15.820 the family period close land.

NOTE Confidence: 0.8063424

00:49:15.820 --> 00:49:17.938 The boy really wanted to go

NOTE Confidence: 0.8063424

00:49:17.938 --> 00:49:19.930 to McDonald's and who didn't,

NOTE Confidence: 0.8063424

00:49:19.930 --> 00:49:22.457 but he really wanted to go and

NOTE Confidence: 0.8063424

00:49:22.457 --> 00:49:25.518 kind of for for a couple of weeks.

NOTE Confidence: 0.8063424

00:49:25.520 --> 00:49:28.984 That generated a lot of kind of problems

NOTE Confidence: 0.8063424

00:49:28.984 --> 00:49:33.267 at the family so Luckily they were able to.

NOTE Confidence: 0.8063424

00:49:33.270 --> 00:49:34.944 This issue no trips to the

NOTE Confidence: 0.8063424

00:49:34.944 --> 00:49:36.060 emergency Department with required,

NOTE Confidence: 0.8063424

00:49:36.060 --> 00:49:38.006 but now we have this new study.

NOTE Confidence: 0.8063424

00:49:38.010 --> 00:49:40.512 Let me see if I can do it again.

NOTE Confidence: 0.8063424

00:49:40.520 --> 00:49:42.752 Did you see that took me

NOTE Confidence: 0.8063424

00:49:42.752 --> 00:49:45.169 awhile to figure it out right?

NOTE Confidence: 0.8063424

00:49:45.170 --> 00:49:47.546 So we have this new study,

NOTE Confidence: 0.8063424

00:49:47.550 --> 00:49:49.138 PTI behavioral therapy for

NOTE Confidence: 0.8063424

00:49:49.138 --> 00:49:50.726 irritability and adolescents with

NOTE Confidence: 0.8063424

00:49:50.726 --> 00:49:53.762 ****** so this will be the boy who

NOTE Confidence: 0.8063424

00:49:53.762 --> 00:49:56.679 is a candidate for our next study,

NOTE Confidence: 0.7846342

00:49:56.680 --> 00:50:00.650 and so this is the study that we just well,

NOTE Confidence: 0.7846342

00:50:00.650 --> 00:50:03.345 The funny thing is that we heard

NOTE Confidence: 0.7846342

00:50:03.345 --> 00:50:05.789 that were being funded for the

79

NOTE Confidence: 0.7846342

00:50:05.789 --> 00:50:08.195 study in January and like DoD,

NOTE Confidence: 0.7846342

00:50:08.200 --> 00:50:10.979 it takes time to process the paperwork.

NOTE Confidence: 0.7846342

00:50:10.980 --> 00:50:13.843 So I think the notice of award

NOTE Confidence: 0.7846342

00:50:13.843 --> 00:50:15.560 arrived recently and even.

NOTE Confidence: 0.7846342

00:50:15.560 --> 00:50:18.416 I'll be approvals have been completed by now,

NOTE Confidence: 0.7846342

00:50:18.420 --> 00:50:22.520 so. This is the stadium for which we

NOTE Confidence: 0.7846342

00:50:22.520 --> 00:50:24.532 developed a new intervention and we

NOTE Confidence: 0.7846342

00:50:24.532 --> 00:50:27.690 decided to come up with a new name for it.

NOTE Confidence: 0.7846342

00:50:27.690 --> 00:50:29.295 Behavioral therapy for irritability in

NOTE Confidence: 0.7846342

00:50:29.295 --> 00:50:31.546 autism. I thought it would be cash,

NOTE Confidence: 0.7846342

00:50:31.550 --> 00:50:32.651 right? BT I.

NOTE Confidence: 0.7846342

00:50:32.651 --> 00:50:35.220 And this is a longer treatment that

NOTE Confidence: 0.7846342

00:50:35.299 --> 00:50:37.899 standard CVT for your writability.

NOTE Confidence: 0.7846342

00:50:37.900 --> 00:50:40.760 And it has more flexibility.

NOTE Confidence: 0.7846342

00:50:40.760 --> 00:50:43.574 Close functional assessment for why is

NOTE Confidence: 0.7846342

00:50:43.574 --> 00:50:46.759 that the children have anger outbursts?

NOTE Confidence: 0.7846342

00:50:46.760 --> 00:50:48.595 Small parenting and dedicated modules

NOTE Confidence: 0.7846342

00:50:48.595 --> 00:50:50.430 to address social deficits and

NOTE Confidence: 0.7846342

00:50:50.490 --> 00:50:52.218 restricted repetitive behaviors,

NOTE Confidence: 0.7846342

00:50:52.220 --> 00:50:55.160 and this will be a form adolescence,

NOTE Confidence: 0.7846342

00:50:55.160 --> 00:50:58.553 and we hope to kind of like help those

NOTE Confidence: 0.7846342

00:50:58.553 --> 00:51:02.448 kids with their kind of transition to adult.

NOTE Confidence: 0.7846342

00:51:02.450 --> 00:51:04.634 Right, so we're looking for the

NOTE Confidence: 0.7846342

00:51:04.634 --> 00:51:06.610 age range from 12 to 18,

NOTE Confidence: 0.7846342

00:51:06.610 --> 00:51:09.814 but we're hoping to to get more kind of

NOTE Confidence: 0.7846342

00:51:09.814 --> 00:51:12.836 like older adolescents in this study.

NOTE Confidence: 0.7846342

00:51:12.840 --> 00:51:15.857 So this will be a four year

NOTE Confidence: 0.7846342

00:51:15.857 --> 00:51:17.630 project funded by DoD,

NOTE Confidence: 0.7846342

00:51:17.630 --> 00:51:19.426 Congressionally directed Medical Research,

NOTE Confidence: 0.7846342

00:51:19.426 --> 00:51:22.580 Foreface approved by LRB and Department of

NOTE Confidence: 0.7846342

00:51:22.580 --> 00:51:24.585 Defense Human Research Protection Office.

NOTE Confidence: 0.7846342

00:51:24.590 --> 00:51:28.628 So I, I think we've had.

NOTE Confidence: 0.7846342

00:51:28.630 --> 00:51:30.532 About six months to give this

NOTE Confidence: 0.7846342

00:51:30.532 --> 00:51:32.391 through the Department of Defense

NOTE Confidence: 0.7846342

00:51:32.391 --> 00:51:33.990 University Protection Office.

NOTE Confidence: 0.7846342

00:51:33.990 --> 00:51:36.854 But we did it so it's a remarkable

NOTE Confidence: 0.7846342

00:51:36.854 --> 00:51:40.033 process and just wanted to mention this to

NOTE Confidence: 0.7846342

00:51:40.033 --> 00:51:43.566 those who are aiming to apply for this grant.

NOTE Confidence: 0.7846342

00:51:43.570 --> 00:51:46.408 Lots of paperwork.

NOTE Confidence: 0.7846342

00:51:46.410 --> 00:51:50.066 And so this will include full assessment I,

NOTE Confidence: 0.7846342

00:51:50.070 --> 00:51:53.416 including a DI dash self and violent

NOTE Confidence: 0.7846342

00:51:53.416 --> 00:51:55.653 everybody is randomized to either

NOTE Confidence: 0.7846342

00:51:55.653 --> 00:51:58.166 15 sessions or BT or 15 sessions

NOTE Confidence: 0.7846342

00:51:58.166 --> 00:52:00.119 of supportive therapy.

NOTE Confidence: 0.7846342

00:52:00.120 --> 00:52:02.410 If you randomize to supportive,

NOTE Confidence: 0.7846342

00:52:02.410 --> 00:52:05.574 therapy will offer BTI a free of

NOTE Confidence: 0.7846342

00:52:05.574 --> 00:52:08.798 charge at the end of this study,

NOTE Confidence: 0.7846342

00:52:08.800 --> 00:52:12.424 endpoint evaluation and we can conduct

NOTE Confidence: 0.7846342

00:52:12.424 --> 00:52:16.488 therapy in person or by Tele health.

NOTE Confidence: 0.7846342

00:52:16.490 --> 00:52:18.154 So now to conclude.

NOTE Confidence: 0.7846342

00:52:18.154 --> 00:52:20.650 So we spoke mostly about the

NOTE Confidence: 0.7846342

00:52:20.742 --> 00:52:24.298 transdiagnostic approach to irritability.

NOTE Confidence: 0.7846342

00:52:24.300 --> 00:52:25.416 Tent with.

NOTE Confidence: 0.7846342

00:52:25.416 --> 00:52:28.764 Think CBT for irritability is helpful,

NOTE Confidence: 0.7846342

00:52:28.770 --> 00:52:31.370 reduces aggressive behavior or

NOTE Confidence: 0.7846342

00:52:31.370 --> 00:52:34.620 ability in children across diagnostic

NOTE Confidence: 0.7846342

00:52:34.620 --> 00:52:37.030 diagnostic categories we saw

NOTE Confidence: 0.7846342

00:52:37.030 --> 00:52:39.825 increased activities of Daniel and

NOTE Confidence: 0.7846342

00:52:39.825 --> 00:52:42.633 dorsal anterior singulate after CBT

NOTE Confidence: 0.7846342

00:52:42.633 --> 00:52:45.303 compared to a control condition.

NOTE Confidence: 0.7846342

00:52:45.310 --> 00:52:48.033 One thing that we learned is that

NOTE Confidence: 0.7846342

00:52:48.033 --> 00:52:49.662 comprehensive diagnostic and your

NOTE Confidence: 0.7846342

00:52:49.662 --> 00:52:51.647 cognitive assessment to the must.

NOTE Confidence: 0.7846342

00:52:51.650 --> 00:52:54.512 So we're really need to understand

NOTE Confidence: 0.7846342

00:52:54.512 --> 00:52:56.420 Corcoran disorders even though

NOTE Confidence: 0.7846342

00:52:56.494 --> 00:52:59.469 we are claiming that this is a

NOTE Confidence: 0.7846342

00:52:59.469 --> 00:53:00.744 trans diagnostic treatment.

NOTE Confidence: 0.7846342

00:53:00.750 --> 00:53:02.412 Still hard to predict who will

NOTE Confidence: 0.7846342

00:53:02.412 --> 00:53:04.140 respond and who will not respond

NOTE Confidence: 0.7846342

00:53:04.140 --> 00:53:06.110 will still have this 26% kind of

NOTE Confidence: 0.7846342

00:53:06.110 --> 00:53:07.820 like non response rate and the

NOTE Confidence: 0.7846342

00:53:07.820 --> 00:53:09.489 kids who want to help too.

NOTE Confidence: 0.7846342

00:53:09.490 --> 00:53:12.100 So that's still lots to do.

NOTE Confidence: 0.7846342

00:53:12.100 --> 00:53:14.374 And we're also learning that biomarkers

NOTE Confidence: 0.7846342

00:53:14.374 --> 00:53:16.906 for what you were stability should

NOTE Confidence: 0.7846342

00:53:16.906 --> 00:53:19.266 consider Co occurring diagnosis very

NOTE Confidence: 0.7846342

00:53:19.266 --> 00:53:22.141 carefully and end of this process were

NOTE Confidence: 0.7846342

00:53:22.141 --> 00:53:24.863 able to fine tune our treatment for

NOTE Confidence: 0.7846342

00:53:24.863 --> 00:53:28.078 irritability for children with autism.

NOTE Confidence: 0.7846342

00:53:28.080 --> 00:53:30.642 Now this is the most important

NOTE Confidence: 0.7846342

00:53:30.642 --> 00:53:33.624 slide sort of the thank you to

NOTE Confidence: 0.7846342

00:53:33.624 --> 00:53:36.368 my lab and to collaborate us to

NOTE Confidence: 0.7329683

00:53:36.460 --> 00:53:39.580 want to acknowledge Rebecca Jordan.

NOTE Confidence: 0.7329683

00:53:39.580 --> 00:53:42.070 Swing around Lee and study

NOTE Confidence: 0.7329683

00:53:42.070 --> 00:53:44.062 coordinators Corinne Abraham and

NOTE Confidence: 0.7329683

00:53:44.062 --> 00:53:46.938 Carlo Calvin on postdocs T 32 pools.

NOTE Confidence: 0.7329683

00:53:46.940 --> 00:53:49.970 Doctors like myself on a 2002

NOTE Confidence: 0.7329683

00:53:49.970 --> 00:53:52.463 graduate and really delighted to

NOTE Confidence: 0.7329683

00:53:52.463 --> 00:53:55.158 have T32 fellows in my lap Korean

NOTE Confidence: 0.7329683

00:53:55.158 --> 00:53:57.900 with the faculty now otherwise.

NOTE Confidence: 0.7329683

00:53:57.900 --> 00:54:00.066 The psychology extra in the lamp

NOTE Confidence: 0.7329683

00:54:00.066 --> 00:54:02.028 Heidi Grants is an independent

NOTE Confidence: 0.7329683

00:54:02.028 --> 00:54:04.698 evaluator in all of our studies,

00:54:04.700 --> 00:54:07.708 and I think that we we owe the

00:54:07.708 --> 00:54:10.300 success of our studies to her.

00:54:10.300 --> 00:54:12.700 Jeff Albert is a data manager

00:54:12.700 --> 00:54:14.300 and data analyst extraordinaire.

00:54:14.300 --> 00:54:16.700 He cannot keeps all our fMRI

00:54:16.700 --> 00:54:18.300 data saved and organized.

00:54:18.300 --> 00:54:20.465 Jayden traffic and everything else

00:54:20.465 --> 00:54:23.498 owner I yell under grants in the lab.

00:54:23.500 --> 00:54:26.008 Anthony just graduated and Innocent fellow

00:54:26.008 --> 00:54:29.820 who is now a faculty at Duke University.

00:54:29.820 --> 00:54:32.052 Simon Lauren Blue is a postdoc

00:54:32.052 --> 00:54:34.047 from Canada and Merritt Henrickson

00:54:34.047 --> 00:54:36.651 is a PhD student from Norwegian

00:54:36.651 --> 00:54:39.060 Institute of Science and Technology.

00:54:39.060 --> 00:54:41.346 The Great Land have been really

00:54:41.346 --> 00:54:43.680 honored to work with everybody,

NOTE Confidence: 0.7329683

00:54:43.680 --> 00:54:45.780 particularly during this kovit when,

NOTE Confidence: 0.7329683

00:54:45.780 --> 00:54:48.804 so we've been zooming each other and

NOTE Confidence: 0.7329683

00:54:48.804 --> 00:54:51.938 this could have been really terrific.

NOTE Confidence: 0.7329683

00:54:51.940 --> 00:54:55.132 And a great team of collaborators

NOTE Confidence: 0.7329683

00:54:55.132 --> 00:54:58.730 at Yale and other universities.

NOTE Confidence: 0.7329683

00:54:58.730 --> 00:54:59.660 So thank you.

NOTE Confidence: 0.89874923

00:55:01.540 --> 00:55:03.165 Dennis, thank you so much

NOTE Confidence: 0.89874923

00:55:03.165 --> 00:55:05.229 and we have time for one

NOTE Confidence: 0.89874923

00:55:05.229 --> 00:55:06.697 or two questions from.

NOTE Confidence: 0.89874923

00:55:06.700 --> 00:55:08.240 From the admiring crowd,

NOTE Confidence: 0.89874923

00:55:08.240 --> 00:55:09.395 that was wonderful.

NOTE Confidence: 0.89874923

00:55:09.400 --> 00:55:10.940 So any any questions?

NOTE Confidence: 0.84573567

00:55:16.780 --> 00:55:18.915 And so thank you all for zooming

NOTE Confidence: 0.84573567

00:55:18.915 --> 00:55:20.990 in today, so please send email so

NOTE Confidence: 0.84573567

00:55:20.990 --> 00:55:23.143 questions so that we can but we

NOTE Confidence: 0.84573567

00:55:23.143 --> 00:55:25.015 don't have enough time to discuss.

NOTE Confidence: 0.83431613

00:55:26.970 --> 00:55:28.435 So Dennis, in the last

NOTE Confidence: 0.83431613

00:55:28.435 --> 00:55:29.607 two minutes one minute.

NOTE Confidence: 0.83431613

00:55:29.610 --> 00:55:31.598 I know that you are not only

NOTE Confidence: 0.83431613

00:55:31.598 --> 00:55:33.107 a wonderful researcher as we

NOTE Confidence: 0.83431613

00:55:33.107 --> 00:55:34.295 saw your wonderful mentor.

NOTE Confidence: 0.83431613

00:55:34.300 --> 00:55:36.636 So the last word doesn't go to you.

NOTE Confidence: 0.83431613

00:55:36.640 --> 00:55:38.747 It goes to Kareem Kareem tell us

NOTE Confidence: 0.83431613

00:55:38.747 --> 00:55:40.498 something about you about your career

NOTE Confidence: 0.83431613

00:55:40.498 --> 00:55:42.790 and how it all fits in with Dennis.

NOTE Confidence: 0.83431613

00:55:42.790 --> 00:55:44.680 Because you have great news and thank

NOTE Confidence: 0.83431613

00:55:44.680 --> 00:55:46.309 you for sharing those findings.

NOTE Confidence: 0.8654211

00:55:49.370 --> 00:55:52.950 You're happy to do so, I think.

NOTE Confidence: 0.8654211

00:55:52.950 --> 00:55:56.642 I think one of the valuable things

NOTE Confidence: 0.8654211

00:55:56.642 --> 00:56:00.342 out of many has been Dennis is

NOTE Confidence: 0.8654211

00:56:00.342 --> 00:56:03.510 dedication and I think through all

NOTE Confidence: 0.8654211

00:56:03.510 --> 00:56:07.205 the ups and downs his his mentoring

NOTE Confidence: 0.8654211

00:56:07.205 --> 00:56:11.310 has been very persistent and really

NOTE Confidence: 0.8654211

00:56:11.310 --> 00:56:13.458 instilled that determination.

NOTE Confidence: 0.8654211

00:56:13.460 --> 00:56:18.330 And men as well as in the other trainees so.

NOTE Confidence: 0.8654211

00:56:18.330 --> 00:56:20.065 They were all very thankful

NOTE Confidence: 0.8654211

00:56:20.065 --> 00:56:21.453 for his mentor ship.

NOTE Confidence: 0.8707696

00:56:23.380 --> 00:56:24.910 Thank you, thank you great.

NOTE Confidence: 0.6651241

00:56:27.690 --> 00:56:29.718 And Heidi, you're the unsung hero.

NOTE Confidence: 0.6651241

00:56:29.720 --> 00:56:31.760 While he sang a little bit.

NOTE Confidence: 0.6651241

00:56:31.760 --> 00:56:34.126 But do you want to say something?

NOTE Confidence: 0.6651241

00:56:34.130 --> 00:56:36.254 Heidi your your other CBT gruesse

NOTE Confidence: 0.6651241

00:56:36.254 --> 00:56:38.200 so anything you want to add.

NOTE Confidence: 0.88787746

00:56:40.320 --> 00:56:43.066 I am, I would just say that you

NOTE Confidence: 0.88787746

00:56:43.066 --> 00:56:44.782 have been wonderful working with

NOTE Confidence: 0.88787746

00:56:44.782 --> 00:56:48.000 Dennis over the years, so. You

NOTE Confidence: 0.8067252

00:56:48.000 --> 00:56:49.925 know this is we've got.

NOTE Confidence: 0.8067252

00:56:49.925 --> 00:56:52.235 We've got to do this through

NOTE Confidence: 0.8067252

00:56:52.240 --> 00:56:54.556 a couple of studies now with

NOTE Confidence: 0.8067252

00:56:54.556 --> 00:56:56.100 the CBT and irritability.

NOTE Confidence: 0.8067252

00:56:56.100 --> 00:56:58.420 The CBT with kids and anxiety.

NOTE Confidence: 0.8067252

00:56:58.420 --> 00:56:59.960 And yeah, it's it's.

NOTE Confidence: 0.8067252

00:56:59.960 --> 00:57:01.505 It's definitely these are.

NOTE Confidence: 0.8067252

00:57:01.505 --> 00:57:03.438 There's a great project I

NOTE Confidence: 0.8067252

00:57:03.440 --> 00:57:06.160 enjoy doing it evaluations.

NOTE Confidence: 0.8067252

00:57:06.160 --> 00:57:07.538 There are alright Dennis.

NOTE Confidence: 0.8067252

00:57:07.540 --> 00:57:09.934 Do you feel the love you feel

NOTE Confidence: 0.7292068

00:57:09.940 --> 00:57:12.766 a lover more studies I do feel the love

NOTE Confidence: 0.7292068

00:57:12.766 --> 00:57:15.279 and I really appreciate the comments

NOTE Confidence: 0.7292068

00:57:15.279 --> 00:57:17.840 so Kareem Heidi thank you guys.

NOTE Confidence: 0.7292068

00:57:17.840 --> 00:57:20.216 I was preparing for a question

NOTE Confidence: 0.7292068

00:57:20.216 --> 00:57:22.210 about network analysis. So no,

NOTE Confidence: 0.86839116

00:57:22.210 --> 00:57:26.425 no no, no no. You know what you were

NOTE Confidence: 0.86839116

00:57:26.425 --> 00:57:27.880 getting ready for before we depart.

NOTE Confidence: 0.86839116

00:57:27.880 --> 00:57:29.784 I just want to give you a heads

NOTE Confidence: 0.86839116

00:57:29.784 --> 00:57:32.007 up of the next two grand rounds.

NOTE Confidence: 0.86839116

00:57:32.010 --> 00:57:34.180 Next week we're going to have one

NOTE Confidence: 0.86839116

00:57:34.180 --> 00:57:36.568 of our soon to graduate fellows.

NOTE Confidence: 0.86839116

00:57:36.570 --> 00:57:39.027 Eunice Young is going to be talking

NOTE Confidence: 0.86839116

00:57:39.027 --> 00:57:40.736 about something very, very different.

NOTE Confidence: 0.86839116

00:57:40.736 --> 00:57:42.704 She has been doing some really

NOTE Confidence: 0.86839116

00:57:42.704 --> 00:57:44.543 exciting stuff with Asian American

NOTE Confidence: 0.86839116

00:57:44.543 --> 00:57:46.047 families looking at cohesion,

NOTE Confidence: 0.86839116

00:57:46.050 --> 00:57:48.156 looking at the coming out process

NOTE Confidence: 0.86839116

00:57:48.156 --> 00:57:49.560 in Asian American families,

NOTE Confidence: 0.86839116

00:57:49.560 --> 00:57:51.714 using theater, using all sorts of

NOTE Confidence: 0.86839116

00:57:51.714 --> 00:57:53.769 very different tools and tool kit.

NOTE Confidence: 0.86839116

00:57:53.770 --> 00:57:56.031 So I encourage you to come and

NOTE Confidence: 0.86839116

00:57:56.031 --> 00:57:58.283 support units next week and then in

NOTE Confidence: 0.86839116

00:57:58.283 --> 00:58:00.648 two weeks we're going to have the

NOTE Confidence: 0.86839116

00:58:00.648 --> 00:58:02.548 first compassionate care rounds,

NOTE Confidence: 0.86839116

00:58:02.550 --> 00:58:04.540 in which Lori Cardona will

NOTE Confidence: 0.86839116

00:58:04.540 --> 00:58:06.132 be taking the lead.

NOTE Confidence: 0.86839116

00:58:06.140 --> 00:58:08.790 But for now, the man of the hour is Dennis,

NOTE Confidence: 0.86839116

00:58:08.790 --> 00:58:10.624 who Dulski thank you very much and

NOTE Confidence: 0.86839116

00:58:10.624 --> 00:58:12.497 we will see you all next week.

NOTE Confidence: 0.86839116

00:58:12.500 --> 00:58:13.298 Thank you again,

NOTE Confidence: 0.86839116

00:58:13.298 --> 00:58:13.830 then undress.

NOTE Confidence: 0.86839116

00:58:13.830 --> 00:58:15.150 Hopefully we'll see everyone on

NOTE Confidence: 0.8194298

00:58:15.150 --> 00:58:16.886 tomorrow for our community

NOTE Confidence: 0.8194298

00:58:16.886 --> 00:58:17.930 meeting. Everyone invited

NOTE Confidence: 0.8268969

00:58:17.930 --> 00:58:21.346 at 10 to the community meeting so

NOTE Confidence: 0.8268969

00:58:21.346 --> 00:58:26.068 thank you. Alright. See you bye see you

NOTE Confidence: 0.8063127

00:58:26.070 --> 00:58:27.408 again bye bye.