

WEBVTT

NOTE duration:"01:01:35"

NOTE recognizability:0.753

NOTE language:en-us

NOTE Confidence: 0.14079028

00:00:00.000 --> 00:00:06.684 Bars sponsored by the Yale CME and and.

NOTE Confidence: 0.14079028

00:00:06.690 --> 00:00:08.690 Coordinated with multiple multiple

NOTE Confidence: 0.14079028

00:00:08.690 --> 00:00:11.690 sleep programs now started off with

NOTE Confidence: 0.14079028

00:00:11.771 --> 00:00:13.966 two and now we have 6 and stronger,

NOTE Confidence: 0.14079028

00:00:13.966 --> 00:00:16.385 the better and so happy New Year.

NOTE Confidence: 0.14079028

00:00:16.385 --> 00:00:17.975 Welcome to yet another session and

NOTE Confidence: 0.14079028

00:00:17.975 --> 00:00:20.000 I just wanted to take a couple of

NOTE Confidence: 0.14079028

00:00:20.000 --> 00:00:21.310 minutes and just maybe summarize

NOTE Confidence: 0.14079028

00:00:21.310 --> 00:00:23.130 what we were able to achieve in

NOTE Confidence: 0.14079028

00:00:23.130 --> 00:00:26.170 the last couple of years and.

NOTE Confidence: 0.14079028

00:00:26.170 --> 00:00:27.866 And before I hand it over to Doctor

NOTE Confidence: 0.14079028

00:00:27.866 --> 00:00:29.356 Grover to introduce Doctor Korea

NOTE Confidence: 0.14079028

00:00:29.356 --> 00:00:33.110 for today's wonderful talk. And so.

NOTE Confidence: 0.14079028

00:00:33.110 --> 00:00:36.848 Just as a little bit of bookkeeping.
NOTE Confidence: 0.14079028

00:00:36.850 --> 00:00:40.540 So since our inception in the fall of 2019,
NOTE Confidence: 0.14079028

00:00:40.540 --> 00:00:43.312 we've had about 1100 or almost
NOTE Confidence: 0.14079028

00:00:43.312 --> 00:00:46.020 1200 attendees in these sessions,
NOTE Confidence: 0.14079028

00:00:46.020 --> 00:00:48.748 and so it's been one of the better
NOTE Confidence: 0.14079028

00:00:48.748 --> 00:00:51.052 attending sessions for for the Yale
NOTE Confidence: 0.14079028

00:00:51.052 --> 00:00:52.600 Pulmonary critical care fields,
NOTE Confidence: 0.14079028

00:00:52.600 --> 00:00:55.057 and hopefully the same for Beth Israel,
NOTE Confidence: 0.14079028

00:00:55.060 --> 00:00:57.072 Brigham, Mass General Tufts,
NOTE Confidence: 0.14079028

00:00:57.072 --> 00:01:00.774 and BU both Medical Center and it's been
NOTE Confidence: 0.14079028

00:01:00.774 --> 00:01:03.640 actually a wonderful resource for education.
NOTE Confidence: 0.14079028

00:01:03.640 --> 00:01:05.917 We've had experts in the fields talk on a
NOTE Confidence: 0.14079028

00:01:05.917 --> 00:01:07.880 variety of different topics or anything.
NOTE Confidence: 0.14079028

00:01:07.880 --> 00:01:08.670 Drums, circuiting,
NOTE Confidence: 0.14079028

00:01:08.670 --> 00:01:10.645 clocks in your development interactions
NOTE Confidence: 0.14079028

00:01:10.645 --> 00:01:13.047 to impact of COVID on the sleep

NOTE Confidence: 0.14079028

00:01:13.047 --> 00:01:14.805 centers might be due for another

NOTE Confidence: 0.14079028

00:01:14.805 --> 00:01:16.654 session of those and looking at

NOTE Confidence: 0.14079028

00:01:16.654 --> 00:01:18.284 sleep deficiency and chronic pain

NOTE Confidence: 0.14079028

00:01:18.284 --> 00:01:19.980 drug therapy for sleep apnea,

NOTE Confidence: 0.14079028

00:01:19.980 --> 00:01:22.552 Alzheimer's and sleep disruption,

NOTE Confidence: 0.14079028

00:01:22.552 --> 00:01:25.905 wearable wars and and looking at sleep

NOTE Confidence: 0.14079028

00:01:25.905 --> 00:01:27.557 assessment using wearable devices

NOTE Confidence: 0.14079028

00:01:27.557 --> 00:01:29.334 and looking at early environmental

NOTE Confidence: 0.14079028

00:01:29.334 --> 00:01:31.039 exposures and sleep program are

NOTE Confidence: 0.14079028

00:01:31.039 --> 00:01:33.069 just some of the topics that have

NOTE Confidence: 0.14079028

00:01:33.069 --> 00:01:34.418 been addressed by wonderful faculty

NOTE Confidence: 0.14079028

00:01:34.418 --> 00:01:36.014 and so we're grateful for that.

NOTE Confidence: 0.14079028

00:01:36.020 --> 00:01:38.884 And thank you all who attend these on.

NOTE Confidence: 0.14079028

00:01:38.890 --> 00:01:40.648 Every first Wednesday of the month

NOTE Confidence: 0.14079028

00:01:40.648 --> 00:01:42.744 and we are looking forward to many

NOTE Confidence: 0.14079028

00:01:42.744 --> 00:01:44.760 more of these wonderful talks and so
NOTE Confidence: 0.14079028

00:01:44.760 --> 00:01:46.384 thank you everybody and I wanted to
NOTE Confidence: 0.14079028

00:01:46.384 --> 00:01:48.631 say a special thanks to you know my
NOTE Confidence: 0.14079028

00:01:48.631 --> 00:01:50.126 colleagues at these various institutions,
NOTE Confidence: 0.14079028

00:01:50.130 --> 00:01:52.566 Dr Heckman, Dr Grover Javaheri Epstein,
NOTE Confidence: 0.14079028

00:01:52.570 --> 00:01:55.573 and Auerbach and also say great thanks
NOTE Confidence: 0.14079028

00:01:55.573 --> 00:01:59.049 to Debbie Lovejoy who helps organize and
NOTE Confidence: 0.14079028

00:01:59.049 --> 00:02:01.536 coordinate these sessions month after month.
NOTE Confidence: 0.14079028

00:02:01.536 --> 00:02:03.046 And so thank you Debbie.
NOTE Confidence: 0.14079028

00:02:03.050 --> 00:02:04.639 And so we have another great session
NOTE Confidence: 0.14079028

00:02:04.639 --> 00:02:06.378 planned for today and that further do you?
NOTE Confidence: 0.14079028

00:02:06.380 --> 00:02:08.767 I'm going to hand the mic over
NOTE Confidence: 0.14079028

00:02:08.767 --> 00:02:10.670 to Doctor Grover from Tufts.
NOTE Confidence: 0.14079028

00:02:10.670 --> 00:02:12.140 And we'll go from there.
NOTE Confidence: 0.3695584

00:02:14.500 --> 00:02:17.090 Thank you Andre.
NOTE Confidence: 0.87039107

00:02:17.090 --> 00:02:19.310 It is my pleasure to introduce

NOTE Confidence: 0.87039107
00:02:19.310 --> 00:02:20.790 my esteemed colleague Dr.
NOTE Confidence: 0.87039107
00:02:20.790 --> 00:02:22.140 Leopoldo Correa today,
NOTE Confidence: 0.87039107
00:02:22.140 --> 00:02:24.840 so just to give a quick
NOTE Confidence: 0.87039107
00:02:24.840 --> 00:02:26.590 introduction of Doctor Korea,
NOTE Confidence: 0.87039107
00:02:26.590 --> 00:02:30.097 he is an associate professor and director
NOTE Confidence: 0.87039107
00:02:30.097 --> 00:02:33.607 of Division of Craniofacial Pain at
NOTE Confidence: 0.87039107
00:02:33.607 --> 00:02:37.429 Tufts University School of Dental Medicine.
NOTE Confidence: 0.87039107
00:02:37.430 --> 00:02:39.050 He's the director of Dental Sleep
NOTE Confidence: 0.87039107
00:02:39.050 --> 00:02:40.670 Medicine programs at Tufts University,
NOTE Confidence: 0.87039107
00:02:40.670 --> 00:02:42.142 School of Dental Medicine,
NOTE Confidence: 0.87039107
00:02:42.142 --> 00:02:45.454 and is a diplomat of American Board of Dental
NOTE Confidence: 0.87039107
00:02:45.454 --> 00:02:47.858 Sleep and received his Masters in Science.
NOTE Confidence: 0.87039107
00:02:47.860 --> 00:02:51.316 At Tufts University, so Doctor Korea,
NOTE Confidence: 0.87039107
00:02:51.320 --> 00:02:54.337 he is committed to academic medicine and
NOTE Confidence: 0.87039107
00:02:54.337 --> 00:02:57.580 learning and as well as clinical practice.
NOTE Confidence: 0.87039107

00:02:57.580 --> 00:03:00.620 He has worked as a faculty at Tufts
NOTE Confidence: 0.87039107

00:03:00.620 --> 00:03:02.407 University in the Craniofacial
NOTE Confidence: 0.87039107

00:03:02.407 --> 00:03:05.690 Pain Center for more than 15 years.
NOTE Confidence: 0.87039107

00:03:05.690 --> 00:03:08.315 And he teaches dental Sleep Medicine to
NOTE Confidence: 0.87039107

00:03:08.315 --> 00:03:11.344 the pre and post graduate programs at
NOTE Confidence: 0.87039107

00:03:11.344 --> 00:03:13.529 Tufts University and has participated
NOTE Confidence: 0.87039107

00:03:13.529 --> 00:03:16.180 as a speaker in many countries,
NOTE Confidence: 0.87039107

00:03:16.180 --> 00:03:17.509 including United States,
NOTE Confidence: 0.87039107

00:03:17.509 --> 00:03:19.724 Europe, Asia and Latin America.
NOTE Confidence: 0.87039107

00:03:19.730 --> 00:03:22.930 He goes out to different countries to teach,
NOTE Confidence: 0.87039107

00:03:22.930 --> 00:03:26.538 and I know with COVID it's been hasn't
NOTE Confidence: 0.87039107

00:03:26.540 --> 00:03:29.508 been a little issue for all of us.
NOTE Confidence: 0.87039107

00:03:29.510 --> 00:03:31.670 He has been a valuable part of our
NOTE Confidence: 0.87039107

00:03:31.670 --> 00:03:33.019 Sleep Medicine Fellowship program
NOTE Confidence: 0.87039107

00:03:33.019 --> 00:03:34.904 here at Tufts Medical Center,
NOTE Confidence: 0.87039107

00:03:34.910 --> 00:03:38.018 where we both of our programs collaborate

NOTE Confidence: 0.87039107

00:03:38.018 --> 00:03:40.703 and teaching dental Sleep Medicine fellows.

NOTE Confidence: 0.87039107

00:03:40.703 --> 00:03:43.409 In addition to teaching for our

NOTE Confidence: 0.87039107

00:03:43.409 --> 00:03:46.308 sleep fellow with his program and

NOTE Confidence: 0.87039107

00:03:46.308 --> 00:03:49.380 our program combined.

NOTE Confidence: 0.87039107

00:03:49.380 --> 00:03:53.241 So he I just want to say thank you Doctor

NOTE Confidence: 0.87039107

00:03:53.241 --> 00:03:55.724 career for today's talk and I look

NOTE Confidence: 0.87039107

00:03:55.724 --> 00:03:59.320 forward to listening and and just you know,

NOTE Confidence: 0.87039107

00:03:59.320 --> 00:04:01.208 thank you for coming in today.

NOTE Confidence: 0.684179461666667

00:04:01.840 --> 00:04:03.538 Thank you. Thank you so much.

NOTE Confidence: 0.684179461666667

00:04:03.540 --> 00:04:04.581 Very welcome everyone.

NOTE Confidence: 0.684179461666667

00:04:04.581 --> 00:04:06.663 So just allow me a few

NOTE Confidence: 0.684179461666667

00:04:06.663 --> 00:04:08.327 seconds to share my screen.

NOTE Confidence: 0.891467580909091

00:04:15.980 --> 00:04:18.824 Alright, so it's it's really a

NOTE Confidence: 0.891467580909091

00:04:18.824 --> 00:04:21.140 pleasure to participate in this

NOTE Confidence: 0.891467580909091

00:04:21.140 --> 00:04:24.260 series of Sleep Medicine lectures,

NOTE Confidence: 0.891467580909091

00:04:24.260 --> 00:04:25.852 so I got the invitation on a few
NOTE Confidence: 0.891467580909091

00:04:25.852 --> 00:04:27.140 months ago and then you know,
NOTE Confidence: 0.891467580909091

00:04:27.140 --> 00:04:29.037 it's I was thinking about the topic.
NOTE Confidence: 0.891467580909091

00:04:29.040 --> 00:04:31.942 So what topic would be the ideal
NOTE Confidence: 0.891467580909091

00:04:31.942 --> 00:04:34.354 one for the for the audience?
NOTE Confidence: 0.891467580909091

00:04:34.360 --> 00:04:37.018 So what I'm going to present
NOTE Confidence: 0.891467580909091

00:04:37.018 --> 00:04:39.700 is basically the the standard.
NOTE Confidence: 0.891467580909091

00:04:39.700 --> 00:04:42.610 Protocol that we follow in regarding
NOTE Confidence: 0.891467580909091

00:04:42.610 --> 00:04:45.220 oral appliance oral appliance therapy.
NOTE Confidence: 0.891467580909091

00:04:45.220 --> 00:04:49.114 So we have some information to to share.
NOTE Confidence: 0.891467580909091

00:04:49.114 --> 00:04:52.580 And certainly we can take questions.
NOTE Confidence: 0.891467580909091

00:04:52.580 --> 00:04:54.100 I believe that Gruber,
NOTE Confidence: 0.891467580909091

00:04:54.100 --> 00:04:55.320 we can take questions towards
NOTE Confidence: 0.891467580909091

00:04:55.320 --> 00:04:57.260 the the end of the presentation,
NOTE Confidence: 0.891467580909091

00:04:57.260 --> 00:05:00.026 so we will allow enough time to you
NOTE Confidence: 0.891467580909091

00:05:00.026 --> 00:05:02.637 know to spend time with the participants

NOTE Confidence: 0.891467580909091
00:05:02.637 --> 00:05:05.137 and go over different questions.
NOTE Confidence: 0.891467580909091
00:05:05.140 --> 00:05:07.018 So this is my contact information.
NOTE Confidence: 0.891467580909091
00:05:07.020 --> 00:05:09.589 So my clinic or clinic is located
NOTE Confidence: 0.891467580909091
00:05:09.589 --> 00:05:11.740 at South University Dental School,
NOTE Confidence: 0.891467580909091
00:05:11.740 --> 00:05:15.046 literally next to tough Medical Center.
NOTE Confidence: 0.891467580909091
00:05:15.050 --> 00:05:16.640 Over the last several years.
NOTE Confidence: 0.891467580909091
00:05:16.640 --> 00:05:19.265 So we have really strengthened
NOTE Confidence: 0.891467580909091
00:05:19.265 --> 00:05:20.315 the collaboration.
NOTE Confidence: 0.891467580909091
00:05:20.320 --> 00:05:22.230 Between the Center for Sleep
NOTE Confidence: 0.891467580909091
00:05:22.230 --> 00:05:24.603 Medicine at Tufts and our center
NOTE Confidence: 0.891467580909091
00:05:24.603 --> 00:05:26.548 here at the dental school,
NOTE Confidence: 0.891467580909091
00:05:26.550 --> 00:05:29.140 along with some other sleep
NOTE Confidence: 0.891467580909091
00:05:29.140 --> 00:05:31.730 centers in the Boston area.
NOTE Confidence: 0.891467580909091
00:05:31.730 --> 00:05:33.685 So there is no conflict
NOTE Confidence: 0.891467580909091
00:05:33.685 --> 00:05:35.249 of interest to disclose,
NOTE Confidence: 0.891467580909091

00:05:35.250 --> 00:05:37.010 and this is like oh,
NOTE Confidence: 0.891467580909091

00:05:37.010 --> 00:05:40.144 this is light so everybody can request
NOTE Confidence: 0.891467580909091

00:05:40.144 --> 00:05:42.816 they see me and I believe that the
NOTE Confidence: 0.891467580909091

00:05:42.816 --> 00:05:44.477 information will be posted on the
NOTE Confidence: 0.891467580909091

00:05:44.477 --> 00:05:47.168 chat as we go along with the presentation.
NOTE Confidence: 0.891467580909091

00:05:47.170 --> 00:05:48.740 Just give me one second.
NOTE Confidence: 0.90397129375

00:05:51.580 --> 00:05:53.228 So we're going to.
NOTE Confidence: 0.90397129375

00:05:53.228 --> 00:05:54.876 We're going to discuss.
NOTE Confidence: 0.90397129375

00:05:54.880 --> 00:05:57.056 We're going to talk about the you know,
NOTE Confidence: 0.90397129375

00:05:57.060 --> 00:06:00.436 oral appliance therapy for a stroke slip up.
NOTE Confidence: 0.90397129375

00:06:00.440 --> 00:06:04.589 Yeah. So then things had been a no been
NOTE Confidence: 0.90397129375

00:06:04.589 --> 00:06:08.356 slowly getting into the field of sleep.
NOTE Confidence: 0.90397129375

00:06:08.360 --> 00:06:10.210 The last the last few
NOTE Confidence: 0.90397129375

00:06:10.210 --> 00:06:12.084 years they had been done.
NOTE Confidence: 0.90397129375

00:06:12.084 --> 00:06:14.340 A significant increase of dent is
NOTE Confidence: 0.90397129375

00:06:14.412 --> 00:06:17.177 getting in the field of Sleep Medicine.

NOTE Confidence: 0.90397129375

00:06:17.180 --> 00:06:19.790 So we understand that oral

NOTE Confidence: 0.90397129375

00:06:19.790 --> 00:06:22.400 appliances is a treatment modality.

NOTE Confidence: 0.90397129375

00:06:22.400 --> 00:06:24.200 For patient with apnea,

NOTE Confidence: 0.90397129375

00:06:24.200 --> 00:06:26.900 some indication some patients who failed

NOTE Confidence: 0.90397129375

00:06:26.973 --> 00:06:29.754 the use of the C PAP and some other

NOTE Confidence: 0.90397129375

00:06:29.754 --> 00:06:32.245 specific indication for this day to be.

NOTE Confidence: 0.90397129375

00:06:32.250 --> 00:06:33.430 As I said, you know,

NOTE Confidence: 0.90397129375

00:06:33.430 --> 00:06:36.046 we're aware there are some use

NOTE Confidence: 0.90397129375

00:06:36.046 --> 00:06:38.510 and limitation for these devices,

NOTE Confidence: 0.90397129375

00:06:38.510 --> 00:06:41.650 so we will try to cover as much

NOTE Confidence: 0.90397129375

00:06:41.650 --> 00:06:43.490 as possible this information

NOTE Confidence: 0.90397129375

00:06:43.490 --> 00:06:46.310 during the next 4045 minutes.

NOTE Confidence: 0.90397129375

00:06:46.310 --> 00:06:49.190 So I think I'm,

NOTE Confidence: 0.90397129375

00:06:49.190 --> 00:06:50.374 you know I was.

NOTE Confidence: 0.90397129375

00:06:50.374 --> 00:06:52.642 I was pretty much putting together

NOTE Confidence: 0.90397129375

00:06:52.642 --> 00:06:55.150 the the information and I think

NOTE Confidence: 0.90397129375

00:06:55.227 --> 00:06:57.387 it's important for a physician.

NOTE Confidence: 0.90397129375

00:06:57.390 --> 00:06:58.750 For for sleep is Ishan.

NOTE Confidence: 0.90397129375

00:06:58.750 --> 00:07:01.545 For everybody attended this these

NOTE Confidence: 0.90397129375

00:07:01.545 --> 00:07:04.888 seminars to understand the protocol that

NOTE Confidence: 0.90397129375

00:07:04.888 --> 00:07:08.150 dentist follow for this for this purpose,

NOTE Confidence: 0.90397129375

00:07:08.150 --> 00:07:10.200 too often the oral appliance

NOTE Confidence: 0.90397129375

00:07:10.200 --> 00:07:11.430 therapy for Libya.

NOTE Confidence: 0.90397129375

00:07:11.430 --> 00:07:13.650 So we're going to go over

NOTE Confidence: 0.90397129375

00:07:13.650 --> 00:07:15.130 each of these steps.

NOTE Confidence: 0.90397129375

00:07:15.130 --> 00:07:16.366 And of course we will cover.

NOTE Confidence: 0.90397129375

00:07:16.370 --> 00:07:17.924 We will extend.

NOTE Confidence: 0.90397129375

00:07:17.924 --> 00:07:19.998 The information regarding oral

NOTE Confidence: 0.90397129375

00:07:19.998 --> 00:07:22.070 appliance designed the purpose

NOTE Confidence: 0.90397129375

00:07:22.070 --> 00:07:25.010 they use efficacy and so on.

NOTE Confidence: 0.90397129375

00:07:25.010 --> 00:07:27.230 So the dentist offering

NOTE Confidence: 0.90397129375
00:07:27.230 --> 00:07:29.450 this option this therapy.
NOTE Confidence: 0.90397129375
00:07:29.450 --> 00:07:32.710 So basically what we do.
NOTE Confidence: 0.90397129375
00:07:32.710 --> 00:07:35.865 We started with the screening so
NOTE Confidence: 0.90397129375
00:07:35.865 --> 00:07:39.135 we screen our dental patients with
NOTE Confidence: 0.90397129375
00:07:39.135 --> 00:07:40.820 utilize different questionnaires
NOTE Confidence: 0.90397129375
00:07:40.820 --> 00:07:43.770 to implement this first step.
NOTE Confidence: 0.90397129375
00:07:43.770 --> 00:07:45.468 So let's start with this one.
NOTE Confidence: 0.90397129375
00:07:45.470 --> 00:07:47.640 So screening and clinical history.
NOTE Confidence: 0.90397129375
00:07:47.640 --> 00:07:50.512 So we understand that the goal for this
NOTE Confidence: 0.90397129375
00:07:50.512 --> 00:07:53.098 initial step is to assess the symptoms.
NOTE Confidence: 0.90397129375
00:07:53.100 --> 00:07:55.718 So the symptoms that we commonly see
NOTE Confidence: 0.90397129375
00:07:55.718 --> 00:07:58.039 in patients with sleep disorders.
NOTE Confidence: 0.90397129375
00:07:58.040 --> 00:08:00.000 So these symptoms are gonna be divided.
NOTE Confidence: 0.90397129375
00:08:00.000 --> 00:08:00.720 Of course,
NOTE Confidence: 0.90397129375
00:08:00.720 --> 00:08:01.800 in night time,
NOTE Confidence: 0.90397129375

00:08:01.800 --> 00:08:03.840 and they transit also include
NOTE Confidence: 0.90397129375

00:08:03.840 --> 00:08:06.748 this as part of the the regular
NOTE Confidence: 0.90397129375

00:08:06.748 --> 00:08:08.918 clinical history and all the
NOTE Confidence: 0.90397129375

00:08:08.918 --> 00:08:11.700 documentation that we are that we
NOTE Confidence: 0.90397129375

00:08:11.700 --> 00:08:13.580 implement to order interpretations.
NOTE Confidence: 0.90397129375

00:08:13.580 --> 00:08:15.240 So in addition to.
NOTE Confidence: 0.90397129375

00:08:15.240 --> 00:08:17.315 Then information so we utilize
NOTE Confidence: 0.90397129375

00:08:17.315 --> 00:08:19.579 the standard validated screening
NOTE Confidence: 0.90397129375

00:08:19.579 --> 00:08:21.931 questionnaires they won for
NOTE Confidence: 0.90397129375

00:08:21.931 --> 00:08:25.186 sleepiness and the one validated to
NOTE Confidence: 0.90397129375

00:08:25.186 --> 00:08:27.740 assess patient with sleep apnea.
NOTE Confidence: 0.90397129375

00:08:27.740 --> 00:08:30.230 I believe everybody is familiar
NOTE Confidence: 0.90397129375

00:08:30.230 --> 00:08:31.580 with these two,
NOTE Confidence: 0.90397129375

00:08:31.580 --> 00:08:34.940 so along with the screening questionnaire,
NOTE Confidence: 0.90397129375

00:08:34.940 --> 00:08:37.730 the Stop Band and the Edward
NOTE Confidence: 0.90397129375

00:08:37.730 --> 00:08:38.660 Sleepiness Scale,

NOTE Confidence: 0.90397129375

00:08:38.660 --> 00:08:42.538 we expand into the standard section for

NOTE Confidence: 0.90397129375

00:08:42.538 --> 00:08:46.239 the clinical history in take a medication.

NOTE Confidence: 0.90397129375

00:08:46.240 --> 00:08:48.412 Medical history and and different things

NOTE Confidence: 0.90397129375

00:08:48.412 --> 00:08:50.679 that are standard for this purpose.

NOTE Confidence: 0.90397129375

00:08:50.680 --> 00:08:52.728 And they were the reason in presenting this.

NOTE Confidence: 0.90397129375

00:08:52.730 --> 00:08:55.432 So we are in a course in

NOTE Confidence: 0.90397129375

00:08:55.432 --> 00:08:56.204 educational institutions.

NOTE Confidence: 0.90397129375

00:08:56.210 --> 00:08:58.534 So we have resident with the fellows

NOTE Confidence: 0.90397129375

00:08:58.540 --> 00:09:02.060 that come to our Center for a training,

NOTE Confidence: 0.90397129375

00:09:02.060 --> 00:09:06.404 so they learn all these all these steps.

NOTE Confidence: 0.90397129375

00:09:06.410 --> 00:09:08.975 So as part of the clinical history we do

NOTE Confidence: 0.90397129375

00:09:08.975 --> 00:09:11.537 the assessment for high risk patients.

NOTE Confidence: 0.90397129375

00:09:11.540 --> 00:09:12.671 And of course,

NOTE Confidence: 0.90397129375

00:09:12.671 --> 00:09:14.556 we evaluate the risk factors

NOTE Confidence: 0.90397129375

00:09:14.560 --> 00:09:16.480 and something that we developed

NOTE Confidence: 0.90397129375

00:09:16.480 --> 00:09:18.616 with my fellows recently.
NOTE Confidence: 0.90397129375

00:09:18.616 --> 00:09:21.286 One second in the moving.
NOTE Confidence: 0.438438532

00:09:28.010 --> 00:09:32.419 Are they at in the? Images for sale.
NOTE Confidence: 0.90182666625

00:09:37.830 --> 00:09:39.648 Sorry about that. Let me try
NOTE Confidence: 0.90182666625

00:09:39.648 --> 00:09:40.989 to fix. It's not moving.
NOTE Confidence: 0.1087701

00:09:49.140 --> 00:09:51.820 Sure. Switch.
NOTE Confidence: 0.79672213375

00:10:10.770 --> 00:10:12.430 Sorry, I think I believe
NOTE Confidence: 0.79672213375

00:10:12.430 --> 00:10:14.894 I need to restart the.
NOTE Confidence: 0.79672213375

00:10:14.894 --> 00:10:17.090 Sensation the computer.
NOTE Confidence: 0.79672213375

00:10:17.090 --> 00:10:18.920 My apologies, let me try something.
NOTE Confidence: 0.79672213375

00:10:18.920 --> 00:10:20.618 I'll be back in 5 seconds.
NOTE Confidence: 0.781809625

00:10:23.330 --> 00:10:26.285 Alright, no problem.
NOTE Confidence: 0.781809625

00:10:26.285 --> 00:10:28.950 Zuma technical issues to the rescue as usual.
NOTE Confidence: 0.781809625

00:10:28.950 --> 00:10:31.075 So while we have doctor
NOTE Confidence: 0.781809625

00:10:31.075 --> 00:10:32.775 Korea restart his computer,
NOTE Confidence: 0.781809625

00:10:32.780 --> 00:10:35.244 I just want to remind you that

NOTE Confidence: 0.781809625

00:10:35.250 --> 00:10:37.448 you can get CME credit for the

NOTE Confidence: 0.781809625

00:10:37.448 --> 00:10:41.460 seminar and so please check box.

NOTE Confidence: 0.781809625

00:10:41.460 --> 00:10:46.186 To put in the code of 28446,

NOTE Confidence: 0.781809625

00:10:46.186 --> 00:10:48.142 you can text it to the

NOTE Confidence: 0.781809625

00:10:48.142 --> 00:10:49.350 Yale CME number, which is

NOTE Confidence: 0.94050074

00:10:51.440 --> 00:10:55.088 2034429435. And if you don't have a

NOTE Confidence: 0.94050074

00:10:55.088 --> 00:10:57.399 yelsey any cloud or account set up,

NOTE Confidence: 0.94050074

00:10:57.400 --> 00:10:59.199 you would have to set that up

NOTE Confidence: 0.94050074

00:10:59.199 --> 00:11:00.459 before receiving credit for this.

NOTE Confidence: 0.94050074

00:11:00.460 --> 00:11:04.318 So hopefully we're back in business.

NOTE Confidence: 0.94050074

00:11:04.320 --> 00:11:05.049 Take it away.

NOTE Confidence: 0.8259079

00:11:08.070 --> 00:11:09.302 Is it working now?

NOTE Confidence: 0.8259079

00:11:09.302 --> 00:11:11.818 Doctor Korea, yes, yes it's working.

NOTE Confidence: 0.8259079

00:11:11.818 --> 00:11:13.646 No idea what happened.

NOTE Confidence: 0.8259079

00:11:13.650 --> 00:11:16.410 First time we have.

NOTE Confidence: 0.8259079

00:11:16.410 --> 00:11:17.646 Anyhow, so thank you.
NOTE Confidence: 0.8259079

00:11:17.646 --> 00:11:20.370 I apologize for that for the interruption.
NOTE Confidence: 0.8259079

00:11:20.370 --> 00:11:22.746 So what I was saying is that you know
NOTE Confidence: 0.8259079

00:11:22.746 --> 00:11:24.626 combination of all these screening tools.
NOTE Confidence: 0.8259079

00:11:24.630 --> 00:11:27.366 The sleepiness scale this dog band along with
NOTE Confidence: 0.8259079

00:11:27.366 --> 00:11:30.189 all the medical history and medications.
NOTE Confidence: 0.8259079

00:11:30.190 --> 00:11:32.808 So along with my fellows and residents.
NOTE Confidence: 0.8259079

00:11:32.810 --> 00:11:34.088 So we developed.
NOTE Confidence: 0.8259079

00:11:34.088 --> 00:11:37.079 This is a one page screening tool,
NOTE Confidence: 0.8259079

00:11:37.079 --> 00:11:40.082 so it's mainly utilized for my residents
NOTE Confidence: 0.8259079

00:11:40.082 --> 00:11:42.937 and fellows to discuss the the cases
NOTE Confidence: 0.8259079

00:11:42.937 --> 00:11:45.531 with faculty and we include all
NOTE Confidence: 0.8259079

00:11:45.531 --> 00:11:47.899 this information regarding symptoms.
NOTE Confidence: 0.8259079

00:11:47.900 --> 00:11:51.753 Risk factors some kind of facial evaluation,
NOTE Confidence: 0.8259079

00:11:51.753 --> 00:11:54.351 and we include the the assessment
NOTE Confidence: 0.8259079

00:11:54.351 --> 00:11:56.220 of this thought banner,

NOTE Confidence: 0.8259079

00:11:56.220 --> 00:11:57.640 the airport at the end,

NOTE Confidence: 0.8259079

00:11:57.640 --> 00:11:59.188 so it's something that we utilize

NOTE Confidence: 0.8259079

00:11:59.188 --> 00:12:00.940 in the in the daily basis.

NOTE Confidence: 0.8259079

00:12:00.940 --> 00:12:03.388 So now my point with this first step

NOTE Confidence: 0.8259079

00:12:03.388 --> 00:12:05.589 of screening clinical history is that

NOTE Confidence: 0.8259079

00:12:05.589 --> 00:12:07.875 of course dentist need to understand

NOTE Confidence: 0.8259079

00:12:07.940 --> 00:12:09.938 that this is only the beginning.

NOTE Confidence: 0.8259079

00:12:09.940 --> 00:12:11.960 This initial part initial component

NOTE Confidence: 0.8259079

00:12:11.960 --> 00:12:14.655 to do the assessment for the patient

NOTE Confidence: 0.8259079

00:12:14.655 --> 00:12:16.776 and the next step of course is

NOTE Confidence: 0.8259079

00:12:16.776 --> 00:12:18.541 to to move forward.

NOTE Confidence: 0.8259079

00:12:18.541 --> 00:12:21.525 With a referral and diagnosis and

NOTE Confidence: 0.8259079

00:12:21.525 --> 00:12:24.795 this is there actually is extremely

NOTE Confidence: 0.8259079

00:12:24.795 --> 00:12:27.619 important because this is when and

NOTE Confidence: 0.8259079

00:12:27.619 --> 00:12:29.434 where we need the collaboration

NOTE Confidence: 0.8259079

00:12:29.434 --> 00:12:31.933 with all of you with the sleep

NOTE Confidence: 0.8259079

00:12:31.933 --> 00:12:33.920 center with the sleep sessions,

NOTE Confidence: 0.8259079

00:12:33.920 --> 00:12:35.060 the medical component.

NOTE Confidence: 0.8259079

00:12:35.060 --> 00:12:38.348 So at this point we are in the

NOTE Confidence: 0.8259079

00:12:38.348 --> 00:12:40.632 stable referral patients for

NOTE Confidence: 0.8259079

00:12:40.632 --> 00:12:43.240 further assessment and diagnosis,

NOTE Confidence: 0.8259079

00:12:43.240 --> 00:12:44.623 so the referral.

NOTE Confidence: 0.8259079

00:12:44.623 --> 00:12:47.389 It's basically the when we start

NOTE Confidence: 0.8259079

00:12:47.389 --> 00:12:49.160 the collaboration.

NOTE Confidence: 0.8259079

00:12:49.160 --> 00:12:50.908 This collaborative approach with

NOTE Confidence: 0.8259079

00:12:50.908 --> 00:12:52.656 the with the medical,

NOTE Confidence: 0.8259079

00:12:52.660 --> 00:12:56.062 the medical team used to to to do the

NOTE Confidence: 0.8259079

00:12:56.062 --> 00:12:58.959 further assessment to the patient and

NOTE Confidence: 0.8259079

00:12:58.960 --> 00:13:01.760 get the the diagnosis is the patient.

NOTE Confidence: 0.8259079

00:13:01.760 --> 00:13:03.520 The candidate for oral appliance?

NOTE Confidence: 0.8259079

00:13:03.520 --> 00:13:04.831 Maybe, maybe not.

NOTE Confidence: 0.8259079

00:13:04.831 --> 00:13:07.016 Maybe the patient has severe

NOTE Confidence: 0.8259079

00:13:07.016 --> 00:13:09.519 obstructive sleep apnea and they must

NOTE Confidence: 0.8259079

00:13:09.519 --> 00:13:11.853 start with with other therapy social,

NOTE Confidence: 0.8259079

00:13:11.860 --> 00:13:14.457 so this is the the point that

NOTE Confidence: 0.8259079

00:13:14.457 --> 00:13:15.570 we're trying to.

NOTE Confidence: 0.8259079

00:13:15.570 --> 00:13:17.590 Implement during our courses

NOTE Confidence: 0.8259079

00:13:17.590 --> 00:13:20.115 all the different lectures that

NOTE Confidence: 0.8259079

00:13:20.115 --> 00:13:22.625 we offer to practicing dentists

NOTE Confidence: 0.8259079

00:13:22.625 --> 00:13:25.380 or or students here is this.

NOTE Confidence: 0.8259079

00:13:25.380 --> 00:13:27.455 The importance of this collaborative

NOTE Confidence: 0.8259079

00:13:27.455 --> 00:13:29.689 approach with the medical field,

NOTE Confidence: 0.8259079

00:13:29.690 --> 00:13:32.478 dental and medical field.

NOTE Confidence: 0.8259079

00:13:32.480 --> 00:13:36.518 So from the screening and diagnosis.

NOTE Confidence: 0.8259079

00:13:36.520 --> 00:13:38.914 So now we are moving into the

NOTE Confidence: 0.8259079

00:13:38.914 --> 00:13:40.590 step of initiating therapy,

NOTE Confidence: 0.8259079

00:13:40.590 --> 00:13:42.680 initiating therapy with oral appliance.
NOTE Confidence: 0.8259079

00:13:42.680 --> 00:13:46.026 So let's say the patient with diagnosis.
NOTE Confidence: 0.8259079

00:13:46.030 --> 00:13:48.389 So it's a patient based on the
NOTE Confidence: 0.8259079

00:13:48.389 --> 00:13:50.566 SLEEP study results is a candidate
NOTE Confidence: 0.8259079

00:13:50.566 --> 00:13:52.030 for for oral appliance.
NOTE Confidence: 0.8259079

00:13:52.030 --> 00:13:56.811 So the steps that dentist follow for
NOTE Confidence: 0.8259079

00:13:56.811 --> 00:13:59.230 this initiation of therapy number one
NOTE Confidence: 0.8259079

00:13:59.230 --> 00:14:01.999 is the referral from the sleep physician,
NOTE Confidence: 0.8259079

00:14:02.000 --> 00:14:02.472 basically.
NOTE Confidence: 0.8259079

00:14:02.472 --> 00:14:05.304 You sleep physician recommended the oral
NOTE Confidence: 0.8259079

00:14:05.304 --> 00:14:08.498 appliance copy of the Diagnostic Sleep study.
NOTE Confidence: 0.8259079

00:14:08.500 --> 00:14:09.886 Basically any clinical
NOTE Confidence: 0.8259079

00:14:09.886 --> 00:14:11.734 note from other providers.
NOTE Confidence: 0.8259079

00:14:11.740 --> 00:14:13.918 So we implement the clinical history.
NOTE Confidence: 0.8259079

00:14:13.920 --> 00:14:15.855 A more expanded clinical history
NOTE Confidence: 0.8259079

00:14:15.855 --> 00:14:17.403 and examination developed the

NOTE Confidence: 0.8259079

00:14:17.403 --> 00:14:19.405 treatment plan and of course the

NOTE Confidence: 0.8259079

00:14:19.405 --> 00:14:20.649 informed consent for therapy.

NOTE Confidence: 0.8259079

00:14:20.650 --> 00:14:24.367 So we understand that oral appliance therapy,

NOTE Confidence: 0.8259079

00:14:24.370 --> 00:14:26.596 along with some other team modalities

NOTE Confidence: 0.8259079

00:14:26.596 --> 00:14:28.940 they had some potential side effects,

NOTE Confidence: 0.8259079

00:14:28.940 --> 00:14:30.992 so it's important to disclose all

NOTE Confidence: 0.8259079

00:14:30.992 --> 00:14:32.890 this information with the patient.

NOTE Confidence: 0.8259079

00:14:32.890 --> 00:14:35.230 So now the patient is back,

NOTE Confidence: 0.8259079

00:14:35.230 --> 00:14:37.120 so the patient is back to the

NOTE Confidence: 0.8259079

00:14:37.120 --> 00:14:37.930 dental clinic back

NOTE Confidence: 0.869570287857143

00:14:37.991 --> 00:14:39.227 from the sleep center.

NOTE Confidence: 0.869570287857143

00:14:39.230 --> 00:14:40.970 The diagnosis is a, you know,

NOTE Confidence: 0.869570287857143

00:14:40.970 --> 00:14:42.050 based on the SLEEP study,

NOTE Confidence: 0.869570287857143

00:14:42.050 --> 00:14:44.248 so it's the candidate for LA Plance.

NOTE Confidence: 0.869570287857143

00:14:44.250 --> 00:14:48.700 So the dentist at this point it will expand.

NOTE Confidence: 0.869570287857143

00:14:48.700 --> 00:14:51.280 2A comprehensive examination and what
NOTE Confidence: 0.869570287857143

00:14:51.280 --> 00:14:53.860 is involved in this comprehensive
NOTE Confidence: 0.869570287857143

00:14:53.941 --> 00:14:56.776 examination from the dental standpoint?
NOTE Confidence: 0.869570287857143

00:14:56.780 --> 00:15:00.119 Well, in addition to the standards section,
NOTE Confidence: 0.869570287857143

00:15:00.120 --> 00:15:02.050 the standard clinical history and
NOTE Confidence: 0.869570287857143

00:15:02.050 --> 00:15:04.572 examination of course be include the
NOTE Confidence: 0.869570287857143

00:15:04.572 --> 00:15:07.632 assessment of certain baselines, BMI,
NOTE Confidence: 0.869570287857143

00:15:07.632 --> 00:15:10.400 blood pressure, neck circumference,
NOTE Confidence: 0.869570287857143

00:15:10.400 --> 00:15:12.244 and of course, as a dentist.
NOTE Confidence: 0.869570287857143

00:15:12.244 --> 00:15:13.600 So we look at them out.
NOTE Confidence: 0.869570287857143

00:15:13.600 --> 00:15:15.826 So when the patient opened them out,
NOTE Confidence: 0.869570287857143

00:15:15.830 --> 00:15:18.398 so the areas that we look at is.
NOTE Confidence: 0.869570287857143

00:15:18.400 --> 00:15:20.320 This soft palate, the uvula,
NOTE Confidence: 0.869570287857143

00:15:20.320 --> 00:15:21.592 the president of tonsils,
NOTE Confidence: 0.869570287857143

00:15:21.592 --> 00:15:23.500 size of the tongue size of
NOTE Confidence: 0.869570287857143

00:15:23.568 --> 00:15:25.100 the maxilla and mandible.

NOTE Confidence: 0.869570287857143

00:15:25.100 --> 00:15:28.415 So basically following or identifying

NOTE Confidence: 0.869570287857143

00:15:28.415 --> 00:15:30.905 certain anatomical features that

NOTE Confidence: 0.869570287857143

00:15:30.905 --> 00:15:34.865 it will help us at the dentist to

NOTE Confidence: 0.869570287857143

00:15:34.865 --> 00:15:36.998 understand the you know before moving

NOTE Confidence: 0.869570287857143

00:15:36.998 --> 00:15:39.530 into the next step of oral appliance.

NOTE Confidence: 0.869570287857143

00:15:39.530 --> 00:15:42.650 Designed is the patient had some

NOTE Confidence: 0.869570287857143

00:15:42.650 --> 00:15:45.482 comical features that will you know

NOTE Confidence: 0.869570287857143

00:15:45.482 --> 00:15:48.568 that that will help to to improve.

NOTE Confidence: 0.869570287857143

00:15:48.568 --> 00:15:51.724 The treatment outcome with our appliance.

NOTE Confidence: 0.869570287857143

00:15:51.730 --> 00:15:55.498 So in addition to the oropharyngeal

NOTE Confidence: 0.869570287857143

00:15:55.498 --> 00:15:56.126 examination,

NOTE Confidence: 0.869570287857143

00:15:56.130 --> 00:15:58.218 so the assessment examination

NOTE Confidence: 0.869570287857143

00:15:58.218 --> 00:16:00.306 of the masticatory muscles,

NOTE Confidence: 0.869570287857143

00:16:00.310 --> 00:16:01.330 the muscles of the face,

NOTE Confidence: 0.869570287857143

00:16:01.330 --> 00:16:04.241 the head and the neck is extremely important,

NOTE Confidence: 0.869570287857143

00:16:04.241 --> 00:16:06.309 along with the temporomandibular
NOTE Confidence: 0.869570287857143

00:16:06.309 --> 00:16:09.669 joint so the oral appliance therapy.
NOTE Confidence: 0.869570287857143

00:16:09.670 --> 00:16:12.424 I mean the main effect is to advance the
NOTE Confidence: 0.869570287857143

00:16:12.424 --> 00:16:14.481 mandible to move the mandible forward
NOTE Confidence: 0.869570287857143

00:16:14.481 --> 00:16:16.952 for several hours so when the mandible
NOTE Confidence: 0.869570287857143

00:16:16.952 --> 00:16:19.106 is forward certainly is going to.
NOTE Confidence: 0.869570287857143

00:16:19.110 --> 00:16:21.978 Nothing is gonna have some direct
NOTE Confidence: 0.869570287857143

00:16:21.980 --> 00:16:24.479 effect over the muscles of the face,
NOTE Confidence: 0.869570287857143

00:16:24.480 --> 00:16:25.734 the temporomandibular joint.
NOTE Confidence: 0.869570287857143

00:16:25.734 --> 00:16:29.746 So we take this step as a baseline used
NOTE Confidence: 0.869570287857143

00:16:29.746 --> 00:16:32.394 to identify any potential pre-existing
NOTE Confidence: 0.869570287857143

00:16:32.394 --> 00:16:36.198 TMD symptoms that may contribute to
NOTE Confidence: 0.869570287857143

00:16:36.198 --> 00:16:39.580 some discomfort with the oral plans.
NOTE Confidence: 0.869570287857143

00:16:39.580 --> 00:16:43.108 So we evaluate the temporomandibular joint.
NOTE Confidence: 0.869570287857143

00:16:43.110 --> 00:16:45.996 And after completion of this step
NOTE Confidence: 0.869570287857143

00:16:45.996 --> 00:16:47.920 of the comprehensive examination,

NOTE Confidence: 0.869570287857143
00:16:47.920 --> 00:16:50.769 so then we move into the oral
NOTE Confidence: 0.869570287857143
00:16:50.769 --> 00:16:51.583 appliance selection.
NOTE Confidence: 0.869570287857143
00:16:51.590 --> 00:16:55.376 So what oral appliance will be
NOTE Confidence: 0.869570287857143
00:16:55.376 --> 00:16:57.658 indicated for that particular patient
NOTE Confidence: 0.869570287857143
00:16:57.658 --> 00:17:01.025 and the way we select the the whether
NOTE Confidence: 0.869570287857143
00:17:01.025 --> 00:17:03.584 we choose this oral appliance is
NOTE Confidence: 0.869570287857143
00:17:03.584 --> 00:17:06.272 basically based on the anatomy of
NOTE Confidence: 0.869570287857143
00:17:06.272 --> 00:17:08.637 the dictations or offering your
NOTE Confidence: 0.869570287857143
00:17:08.637 --> 00:17:11.950 structure or the size of the mouth.
NOTE Confidence: 0.869570287857143
00:17:11.950 --> 00:17:13.660 The size of the maxilla.
NOTE Confidence: 0.869570287857143
00:17:13.660 --> 00:17:17.152 So by choosing the appropriate oral
NOTE Confidence: 0.869570287857143
00:17:17.152 --> 00:17:21.108 appliance, basically we tend 2.
NOTE Confidence: 0.869570287857143
00:17:21.110 --> 00:17:23.984 They may focus is to improve comfort,
NOTE Confidence: 0.869570287857143
00:17:23.984 --> 00:17:25.106 to provide comfort,
NOTE Confidence: 0.869570287857143
00:17:25.106 --> 00:17:26.976 and by providing the comfort
NOTE Confidence: 0.869570287857143

00:17:26.976 --> 00:17:28.968 of using the oral appliance.
NOTE Confidence: 0.869570287857143

00:17:28.970 --> 00:17:31.014 Certainly compliance or adherence
NOTE Confidence: 0.869570287857143

00:17:31.014 --> 00:17:32.547 will be better.
NOTE Confidence: 0.869570287857143

00:17:32.550 --> 00:17:35.570 So according to different studies,
NOTE Confidence: 0.869570287857143

00:17:35.570 --> 00:17:37.715 different, systematic review.
NOTE Confidence: 0.869570287857143

00:17:37.715 --> 00:17:42.720 So there is no any specific particular
NOTE Confidence: 0.869570287857143

00:17:42.826 --> 00:17:46.246 oral appliance that will that will
NOTE Confidence: 0.869570287857143

00:17:46.246 --> 00:17:49.382 help all patients with the structure is
NOTE Confidence: 0.869570287857143

00:17:49.390 --> 00:17:52.320 certainly the oral appliance designed.
NOTE Confidence: 0.869570287857143

00:17:52.320 --> 00:17:54.880 What we're looking at is to provide comfort,
NOTE Confidence: 0.869570287857143

00:17:54.880 --> 00:17:57.166 good retention based on the anatomy
NOTE Confidence: 0.869570287857143

00:17:57.166 --> 00:17:59.540 based on the identification motivations.
NOTE Confidence: 0.869570287857143

00:17:59.540 --> 00:18:03.978 The efficacy of this oral devices certainly
NOTE Confidence: 0.869570287857143

00:18:03.980 --> 00:18:07.900 are based on individual characteristics,
NOTE Confidence: 0.869570287857143

00:18:07.900 --> 00:18:08.935 so patient characteristics.
NOTE Confidence: 0.869570287857143

00:18:08.935 --> 00:18:11.760 So what is the severity of the condition

NOTE Confidence: 0.869570287857143
00:18:11.760 --> 00:18:14.154 and other things that we will review
NOTE Confidence: 0.869570287857143
00:18:14.160 --> 00:18:16.792 in a few minutes so used to expand
NOTE Confidence: 0.869570287857143
00:18:16.792 --> 00:18:19.179 into this oral appliance design?
NOTE Confidence: 0.869570287857143
00:18:19.180 --> 00:18:22.060 And everybody probably are curious of,
NOTE Confidence: 0.869570287857143
00:18:22.060 --> 00:18:22.962 you know.
NOTE Confidence: 0.869570287857143
00:18:22.962 --> 00:18:25.668 Now these oral appliance look like
NOTE Confidence: 0.846817413333333
00:18:25.670 --> 00:18:27.350 so this oral appliances.
NOTE Confidence: 0.846817413333333
00:18:27.350 --> 00:18:29.450 They have a basic component.
NOTE Confidence: 0.846817413333333
00:18:29.450 --> 00:18:32.366 They have a specific mechanism based
NOTE Confidence: 0.846817413333333
00:18:32.366 --> 00:18:35.311 on the manufacturer based on the
NOTE Confidence: 0.846817413333333
00:18:35.311 --> 00:18:37.606 the company that provides devices.
NOTE Confidence: 0.846817413333333
00:18:37.610 --> 00:18:40.910 So they recently there was a
NOTE Confidence: 0.846817413333333
00:18:40.910 --> 00:18:43.722 development of these nomenclature for
NOTE Confidence: 0.846817413333333
00:18:43.722 --> 00:18:46.812 oral appliance design based on the
NOTE Confidence: 0.846817413333333
00:18:46.812 --> 00:18:50.147 attachment based on the the mechanism
NOTE Confidence: 0.846817413333333

00:18:50.147 --> 00:18:52.977 that allows the mandible forward.
NOTE Confidence: 0.8468174133333333

00:18:52.980 --> 00:18:55.560 So the first one is the
NOTE Confidence: 0.8468174133333333

00:18:55.560 --> 00:18:56.420 bilateral compression.
NOTE Confidence: 0.8468174133333333

00:18:56.420 --> 00:18:57.491 Basically the description
NOTE Confidence: 0.8468174133333333

00:18:57.491 --> 00:18:59.633 is listed here on the slide.
NOTE Confidence: 0.8468174133333333

00:18:59.640 --> 00:19:01.856 This is a short video on the way
NOTE Confidence: 0.8468174133333333

00:19:01.856 --> 00:19:04.100 you know the way this specific
NOTE Confidence: 0.8468174133333333

00:19:04.100 --> 00:19:05.315 appliance look like.
NOTE Confidence: 0.8468174133333333

00:19:05.320 --> 00:19:08.533 The way seated on the on the patient's mouth,
NOTE Confidence: 0.8468174133333333

00:19:08.540 --> 00:19:10.640 so the next appliance.
NOTE Confidence: 0.8468174133333333

00:19:10.640 --> 00:19:13.265 It's called the ballata retraction,
NOTE Confidence: 0.8468174133333333

00:19:13.270 --> 00:19:15.574 and this definition you know these
NOTE Confidence: 0.8468174133333333

00:19:15.574 --> 00:19:18.202 names nomenclature of the devices are
NOTE Confidence: 0.8468174133333333

00:19:18.202 --> 00:19:22.650 pretty much in a way to understand the
NOTE Confidence: 0.8468174133333333

00:19:22.650 --> 00:19:25.730 way the the the mechanism produce the
NOTE Confidence: 0.8468174133333333

00:19:25.730 --> 00:19:29.309 the the the advancement of the model.

NOTE Confidence: 0.846817413333333

00:19:29.310 --> 00:19:31.947 So in this case we can see that the

NOTE Confidence: 0.846817413333333

00:19:31.947 --> 00:19:34.073 component is attached from the superior

NOTE Confidence: 0.846817413333333

00:19:34.073 --> 00:19:36.608 until you're part of the plate to

NOTE Confidence: 0.846817413333333

00:19:36.608 --> 00:19:40.010 the lower posterior part of the of the plate.

NOTE Confidence: 0.846817413333333

00:19:40.010 --> 00:19:42.020 This is another short video showing.

NOTE Confidence: 0.846817413333333

00:19:42.020 --> 00:19:45.051 The the mostly adjustment that are done

NOTE Confidence: 0.846817413333333

00:19:45.051 --> 00:19:48.157 in the office in the dental office,

NOTE Confidence: 0.846817413333333

00:19:48.160 --> 00:19:50.160 or sometimes patients tend to

NOTE Confidence: 0.846817413333333

00:19:50.160 --> 00:19:52.160 perform this adjustment at home.

NOTE Confidence: 0.846817413333333

00:19:52.160 --> 00:19:54.959 So we go over some instructions and so on.

NOTE Confidence: 0.846817413333333

00:19:54.960 --> 00:19:57.966 So this is the bilateral traction.

NOTE Confidence: 0.846817413333333

00:19:57.970 --> 00:20:00.946 So the next design is the midline traction,

NOTE Confidence: 0.846817413333333

00:20:00.950 --> 00:20:02.002 and again,

NOTE Confidence: 0.846817413333333

00:20:02.002 --> 00:20:05.684 so is basically the way the position

NOTE Confidence: 0.846817413333333

00:20:05.690 --> 00:20:08.432 decide the dimension of the the

NOTE Confidence: 0.846817413333333

00:20:08.432 --> 00:20:10.843 mechanism that will provide the
NOTE Confidence: 0.8468174133333333

00:20:10.843 --> 00:20:12.827 advancement of the mandible.
NOTE Confidence: 0.8468174133333333

00:20:12.830 --> 00:20:15.269 This is another.
NOTE Confidence: 0.8468174133333333

00:20:15.270 --> 00:20:17.776 Visualization of this Midland traction so we
NOTE Confidence: 0.8468174133333333

00:20:17.776 --> 00:20:20.966 can see the components in the interior part.
NOTE Confidence: 0.8468174133333333

00:20:20.970 --> 00:20:22.620 So by looking through all
NOTE Confidence: 0.8468174133333333

00:20:22.620 --> 00:20:23.610 these different designs,
NOTE Confidence: 0.8468174133333333

00:20:23.610 --> 00:20:24.870 So what are we doing here?
NOTE Confidence: 0.8468174133333333

00:20:24.870 --> 00:20:27.861 Well, I mean we're trying to match the
NOTE Confidence: 0.8468174133333333

00:20:27.861 --> 00:20:31.287 the best option for certain patients.
NOTE Confidence: 0.8468174133333333

00:20:31.290 --> 00:20:32.522 Size of the mouth,
NOTE Confidence: 0.8468174133333333

00:20:32.522 --> 00:20:34.370 size of the audit on the
NOTE Confidence: 0.8468174133333333

00:20:34.444 --> 00:20:35.948 condition of the tip,
NOTE Confidence: 0.8468174133333333

00:20:35.950 --> 00:20:37.261 and so on.
NOTE Confidence: 0.8468174133333333

00:20:37.261 --> 00:20:39.883 And all these devices actually is
NOTE Confidence: 0.8468174133333333

00:20:39.883 --> 00:20:42.758 very important to mention that

NOTE Confidence: 0.846817413333333
00:20:42.758 --> 00:20:45.683 all these devices are adjustable,
NOTE Confidence: 0.846817413333333
00:20:45.690 --> 00:20:47.253 adjustable or titration.
NOTE Confidence: 0.846817413333333
00:20:47.253 --> 00:20:49.652 It means that during the
NOTE Confidence: 0.846817413333333
00:20:49.652 --> 00:20:51.316 time that the patient.
NOTE Confidence: 0.846817413333333
00:20:51.320 --> 00:20:53.300 Initiate treatment and come back
NOTE Confidence: 0.846817413333333
00:20:53.300 --> 00:20:56.338 for follow UPS so we can perform
NOTE Confidence: 0.846817413333333
00:20:56.338 --> 00:20:58.298 all these different adjustment
NOTE Confidence: 0.846817413333333
00:20:58.298 --> 00:21:00.910 on the mechanism should continue
NOTE Confidence: 0.846817413333333
00:21:00.910 --> 00:21:03.190 moving the mandible forward.
NOTE Confidence: 0.846817413333333
00:21:03.190 --> 00:21:06.148 We do not initiate the therapy
NOTE Confidence: 0.846817413333333
00:21:06.148 --> 00:21:08.418 with the maximum protrusion or
NOTE Confidence: 0.846817413333333
00:21:08.418 --> 00:21:09.994 demandable because of course
NOTE Confidence: 0.846817413333333
00:21:09.994 --> 00:21:12.270 that may cause some discomfort.
NOTE Confidence: 0.846817413333333
00:21:12.270 --> 00:21:15.090 Some symptoms of the temporomandibular joint,
NOTE Confidence: 0.846817413333333
00:21:15.090 --> 00:21:17.148 so we take all these steps
NOTE Confidence: 0.846817413333333

00:21:17.148 --> 00:21:19.413 gradually so we started with some
NOTE Confidence: 0.8468174133333333

00:21:19.413 --> 00:21:21.994 degree of protrusion and then we
NOTE Confidence: 0.8468174133333333

00:21:21.994 --> 00:21:23.338 perform the adjustment.
NOTE Confidence: 0.8468174133333333

00:21:23.340 --> 00:21:25.230 During the follow up appointments,
NOTE Confidence: 0.8468174133333333

00:21:25.230 --> 00:21:27.162 so the last one,
NOTE Confidence: 0.8468174133333333

00:21:27.162 --> 00:21:29.577 this design is the bilateral
NOTE Confidence: 0.8468174133333333

00:21:29.577 --> 00:21:31.803 interlocking and we can see that
NOTE Confidence: 0.8468174133333333

00:21:31.803 --> 00:21:34.218 you know this particular design.
NOTE Confidence: 0.8468174133333333

00:21:34.220 --> 00:21:36.656 It has more option for a judgment
NOTE Confidence: 0.8468174133333333

00:21:36.656 --> 00:21:39.308 options on the lower plate on by
NOTE Confidence: 0.8468174133333333

00:21:39.308 --> 00:21:41.612 replacing these little films or the
NOTE Confidence: 0.8468174133333333

00:21:41.687 --> 00:21:43.817 option of adjustment in the area
NOTE Confidence: 0.8468174133333333

00:21:43.817 --> 00:21:46.800 of the the screw on the upper plate
NOTE Confidence: 0.8468174133333333

00:21:46.800 --> 00:21:49.680 so he wears we're showing both the
NOTE Confidence: 0.8468174133333333

00:21:49.680 --> 00:21:51.940 both option for the titration.
NOTE Confidence: 0.8468174133333333

00:21:51.940 --> 00:21:53.604 So all these devices.

NOTE Confidence: 0.846817413333333
00:21:53.604 --> 00:21:55.684 They fall under the this
NOTE Confidence: 0.846817413333333
00:21:55.684 --> 00:21:57.160 standard nomenclature,
NOTE Confidence: 0.846817413333333
00:21:57.160 --> 00:22:01.080 so now the lease of oral appliances
NOTE Confidence: 0.846817413333333
00:22:01.080 --> 00:22:02.760 commercially available is
NOTE Confidence: 0.754512463636364
00:22:02.861 --> 00:22:05.394 extensive. It's very long,
NOTE Confidence: 0.754512463636364
00:22:05.394 --> 00:22:08.084 it's approximately close to 100
NOTE Confidence: 0.754512463636364
00:22:08.084 --> 00:22:10.159 different designs over there.
NOTE Confidence: 0.754512463636364
00:22:10.160 --> 00:22:12.932 However, when we you know for the
NOTE Confidence: 0.754512463636364
00:22:12.932 --> 00:22:15.477 purpose of teaching and and for the
NOTE Confidence: 0.754512463636364
00:22:15.477 --> 00:22:18.036 purpose of for residents and practicing
NOTE Confidence: 0.754512463636364
00:22:18.036 --> 00:22:20.696 dentists to understand this concept,
NOTE Confidence: 0.754512463636364
00:22:20.700 --> 00:22:23.350 so be lonely. So 100.
NOTE Confidence: 0.754512463636364
00:22:23.350 --> 00:22:25.350 Appliances have commercial available.
NOTE Confidence: 0.754512463636364
00:22:25.350 --> 00:22:26.850 All those appliances.
NOTE Confidence: 0.754512463636364
00:22:26.850 --> 00:22:31.130 They fall on their these four categories,
NOTE Confidence: 0.754512463636364

00:22:31.130 --> 00:22:34.158 so the bilateral traction,
NOTE Confidence: 0.754512463636364

00:22:34.158 --> 00:22:35.654 midline, traction,
NOTE Confidence: 0.754512463636364

00:22:35.654 --> 00:22:38.603 bilateral compression and
NOTE Confidence: 0.754512463636364

00:22:38.603 --> 00:22:41.509 bilateral interlocking.
NOTE Confidence: 0.754512463636364

00:22:41.510 --> 00:22:44.856 So taking one step one step back
NOTE Confidence: 0.754512463636364

00:22:44.856 --> 00:22:47.858 so we know that you know dentists
NOTE Confidence: 0.754512463636364

00:22:47.858 --> 00:22:49.538 are getting involved in the
NOTE Confidence: 0.754512463636364

00:22:49.538 --> 00:22:51.072 field they've been involved in
NOTE Confidence: 0.754512463636364

00:22:51.072 --> 00:22:52.941 the field for for a long time,
NOTE Confidence: 0.754512463636364

00:22:52.950 --> 00:22:54.686 but when we look into this as light,
NOTE Confidence: 0.754512463636364

00:22:54.690 --> 00:22:58.050 we can see that dental Sleep Medicine
NOTE Confidence: 0.754512463636364

00:22:58.050 --> 00:23:00.062 or oral appliances they they've
NOTE Confidence: 0.754512463636364

00:23:00.062 --> 00:23:02.350 been around for a long a long time.
NOTE Confidence: 0.754512463636364

00:23:02.350 --> 00:23:04.954 So the first report of an or
NOTE Confidence: 0.754512463636364

00:23:04.954 --> 00:23:07.495 utilization of an oral appliance
NOTE Confidence: 0.754512463636364

00:23:07.495 --> 00:23:10.175 to improve the oropharyngeal

NOTE Confidence: 0.754512463636364

00:23:10.175 --> 00:23:12.994 collapsibility is back from 1923.

NOTE Confidence: 0.754512463636364

00:23:12.994 --> 00:23:15.498 That was the first one who reported

NOTE Confidence: 0.754512463636364

00:23:15.498 --> 00:23:17.990 the use of these devices and over

NOTE Confidence: 0.754512463636364

00:23:17.990 --> 00:23:20.580 the last several years they had been

NOTE Confidence: 0.754512463636364

00:23:20.649 --> 00:23:23.217 different milestones regarding the

NOTE Confidence: 0.754512463636364

00:23:23.217 --> 00:23:25.780 advancement of this of this therapy.

NOTE Confidence: 0.754512463636364

00:23:25.780 --> 00:23:26.606 Of course,

NOTE Confidence: 0.754512463636364

00:23:26.606 --> 00:23:28.671 I mean research different studies

NOTE Confidence: 0.754512463636364

00:23:28.671 --> 00:23:31.205 showing the efficacy of the device had

NOTE Confidence: 0.754512463636364

00:23:31.205 --> 00:23:33.610 been stronger over the last few years,

NOTE Confidence: 0.754512463636364

00:23:33.610 --> 00:23:35.990 and that is the reason why these

NOTE Confidence: 0.754512463636364

00:23:35.990 --> 00:23:38.246 feel the feel of dental dental

NOTE Confidence: 0.754512463636364

00:23:38.246 --> 00:23:40.941 sleep is is moving forward is based

NOTE Confidence: 0.754512463636364

00:23:41.016 --> 00:23:43.420 on the the evidence that we are.

NOTE Confidence: 0.754512463636364

00:23:43.420 --> 00:23:46.978 That we are developing for the

NOTE Confidence: 0.754512463636364

00:23:46.978 --> 00:23:49.350 utilization of these devices.
NOTE Confidence: 0.754512463636364

00:23:49.350 --> 00:23:50.506 So now moving forward.
NOTE Confidence: 0.754512463636364

00:23:50.506 --> 00:23:53.090 So what is the purpose of this therapy?
NOTE Confidence: 0.754512463636364

00:23:53.090 --> 00:23:56.978 I mean very straightforward, right so?
NOTE Confidence: 0.754512463636364

00:23:56.980 --> 00:23:58.996 That, like any other therapy for a structure,
NOTE Confidence: 0.754512463636364

00:23:59.000 --> 00:24:00.206 is sleep apnea.
NOTE Confidence: 0.754512463636364

00:24:00.206 --> 00:24:02.401 We're looking to improve symptoms.
NOTE Confidence: 0.754512463636364

00:24:02.401 --> 00:24:05.306 We're looking to decrease the
NOTE Confidence: 0.754512463636364

00:24:05.306 --> 00:24:09.608 respiratory event. Improve our oxygen.
NOTE Confidence: 0.754512463636364

00:24:09.610 --> 00:24:10.236 However,
NOTE Confidence: 0.754512463636364

00:24:10.236 --> 00:24:13.992 the oral appliance is the oral
NOTE Confidence: 0.754512463636364

00:24:13.992 --> 00:24:15.244 appliance therapy.
NOTE Confidence: 0.754512463636364

00:24:15.250 --> 00:24:16.915 At this point,
NOTE Confidence: 0.754512463636364

00:24:16.915 --> 00:24:20.187 it has some specific indications so
NOTE Confidence: 0.754512463636364

00:24:20.187 --> 00:24:23.666 oral appliances according to the you know,
NOTE Confidence: 0.754512463636364

00:24:23.670 --> 00:24:26.395 the evidence and the studies

NOTE Confidence: 0.754512463636364
00:24:26.395 --> 00:24:28.030 done regarding efficacy.
NOTE Confidence: 0.754512463636364
00:24:28.030 --> 00:24:30.490 Stratifying the severity of the
NOTE Confidence: 0.754512463636364
00:24:30.490 --> 00:24:32.458 condition patient with mild,
NOTE Confidence: 0.754512463636364
00:24:32.460 --> 00:24:34.926 moderate or severe obstructive sleep apnea.
NOTE Confidence: 0.754512463636364
00:24:34.930 --> 00:24:37.590 So all this study has shown that
NOTE Confidence: 0.754512463636364
00:24:37.590 --> 00:24:39.900 oral appliances are more effective.
NOTE Confidence: 0.754512463636364
00:24:39.900 --> 00:24:42.240 In patients with mild to moderate
NOTE Confidence: 0.754512463636364
00:24:42.240 --> 00:24:43.622 sleep apnea, however,
NOTE Confidence: 0.754512463636364
00:24:43.622 --> 00:24:46.632 there are some patients with
NOTE Confidence: 0.754512463636364
00:24:46.632 --> 00:24:48.438 severe sleep apnea.
NOTE Confidence: 0.754512463636364
00:24:48.440 --> 00:24:50.180 That they respond favorable.
NOTE Confidence: 0.754512463636364
00:24:50.180 --> 00:24:52.790 They respond well to oral appliance
NOTE Confidence: 0.754512463636364
00:24:52.860 --> 00:24:54.560 therapy and what is that?
NOTE Confidence: 0.754512463636364
00:24:54.560 --> 00:24:58.012 And of course I mean it will require like a
NOTE Confidence: 0.754512463636364
00:24:58.012 --> 00:25:02.016 more extensive session, but it's based on,
NOTE Confidence: 0.754512463636364

00:25:02.016 --> 00:25:03.528 you know, patient characteristics.
NOTE Confidence: 0.754512463636364

00:25:03.528 --> 00:25:06.920 So we have over the last several years.
NOTE Confidence: 0.754512463636364

00:25:06.920 --> 00:25:09.788 So we have identified.
NOTE Confidence: 0.754512463636364

00:25:09.790 --> 00:25:11.750 Showed that our better responders
NOTE Confidence: 0.754512463636364

00:25:11.750 --> 00:25:12.926 to oral appliances.
NOTE Confidence: 0.754512463636364

00:25:12.930 --> 00:25:16.050 However, we do not offer.
NOTE Confidence: 0.754512463636364

00:25:16.050 --> 00:25:17.830 We do not provide.
NOTE Confidence: 0.754512463636364

00:25:17.830 --> 00:25:20.500 We do not fit oral appliances
NOTE Confidence: 0.754512463636364

00:25:20.599 --> 00:25:23.551 as the first line of treatment
NOTE Confidence: 0.754512463636364

00:25:23.551 --> 00:25:26.170 on patient with severe strep.
NOTE Confidence: 0.754512463636364

00:25:26.170 --> 00:25:28.350 So the current guidelines.
NOTE Confidence: 0.754512463636364

00:25:28.350 --> 00:25:31.075 The commendations for this therapy
NOTE Confidence: 0.754512463636364

00:25:31.075 --> 00:25:32.996 clearly indicate that patient
NOTE Confidence: 0.754512463636364

00:25:32.996 --> 00:25:34.636 with severe structure sleep apnea,
NOTE Confidence: 0.754512463636364

00:25:34.640 --> 00:25:36.775 the first line of therapy is the
NOTE Confidence: 0.754512463636364

00:25:36.775 --> 00:25:39.257 use of the C pad or bad therapy.

NOTE Confidence: 0.754512463636364

00:25:39.260 --> 00:25:42.417 If at some point the patient fail,

NOTE Confidence: 0.754512463636364

00:25:42.420 --> 00:25:44.440 they cannot tolerate the bite,

NOTE Confidence: 0.754512463636364

00:25:44.440 --> 00:25:45.598 they slip up,

NOTE Confidence: 0.754512463636364

00:25:45.598 --> 00:25:47.904 they don't comply with the with

NOTE Confidence: 0.754512463636364

00:25:47.904 --> 00:25:49.400 the C PAP therapy.

NOTE Confidence: 0.754512463636364

00:25:49.400 --> 00:25:50.194 Of course,

NOTE Confidence: 0.754512463636364

00:25:50.194 --> 00:25:51.782 the physician this the

NOTE Confidence: 0.754512463636364

00:25:51.782 --> 00:25:52.973 physician may recommend

NOTE Confidence: 0.738033144285714

00:25:52.980 --> 00:25:56.095 the the the use of oral appliance,

NOTE Confidence: 0.738033144285714

00:25:56.100 --> 00:25:59.116 and we do all this, of course with the.

NOTE Confidence: 0.738033144285714

00:25:59.116 --> 00:26:01.390 Very close communication with the with

NOTE Confidence: 0.738033144285714

00:26:01.460 --> 00:26:04.092 the Sleep Center and with the sleep

NOTE Confidence: 0.738033144285714

00:26:04.092 --> 00:26:07.190 physicians that is referring the patient.

NOTE Confidence: 0.738033144285714

00:26:07.190 --> 00:26:09.239 So another purpose,

NOTE Confidence: 0.738033144285714

00:26:09.239 --> 00:26:12.654 another use of these devices.

NOTE Confidence: 0.738033144285714

00:26:12.660 --> 00:26:16.890 Is as an agent therapy so commonly
NOTE Confidence: 0.738033144285714

00:26:16.890 --> 00:26:19.415 known as the combination therapy.
NOTE Confidence: 0.738033144285714

00:26:19.420 --> 00:26:22.030 So there are some patients that
NOTE Confidence: 0.738033144285714

00:26:22.030 --> 00:26:24.582 definitely will need the the the
NOTE Confidence: 0.738033144285714

00:26:24.582 --> 00:26:27.137 pub therapy as the first option and
NOTE Confidence: 0.738033144285714

00:26:27.137 --> 00:26:29.962 you know for some reason they cannot
NOTE Confidence: 0.738033144285714

00:26:29.962 --> 00:26:32.428 tolerate the device and the oral
NOTE Confidence: 0.738033144285714

00:26:32.428 --> 00:26:35.175 appliance certainly is not giving is not
NOTE Confidence: 0.738033144285714

00:26:35.175 --> 00:26:37.035 providing the resolution of symptoms,
NOTE Confidence: 0.738033144285714

00:26:37.040 --> 00:26:40.890 the resolution of respiratory events,
NOTE Confidence: 0.738033144285714

00:26:40.890 --> 00:26:42.846 so we have.
NOTE Confidence: 0.738033144285714

00:26:42.846 --> 00:26:46.405 The option to to provide this combination
NOTE Confidence: 0.738033144285714

00:26:46.405 --> 00:26:49.389 therapy so the patient utilized the C PAP
NOTE Confidence: 0.738033144285714

00:26:49.390 --> 00:26:51.790 and the oral appliance at the same time.
NOTE Confidence: 0.738033144285714

00:26:51.790 --> 00:26:53.750 So what is the purpose of this?
NOTE Confidence: 0.738033144285714

00:26:53.750 --> 00:26:55.518 Well, we understand that,

NOTE Confidence: 0.738033144285714
00:26:55.518 --> 00:26:58.675 let's say in a patient with severe
NOTE Confidence: 0.738033144285714
00:26:58.675 --> 00:27:01.975 sleep up the oral appliance by itself
NOTE Confidence: 0.738033144285714
00:27:01.975 --> 00:27:06.170 it will not be able to manage all
NOTE Confidence: 0.738033144285714
00:27:06.170 --> 00:27:08.870 the OR resolve the severity.
NOTE Confidence: 0.738033144285714
00:27:08.870 --> 00:27:12.382 We may reduce it by 50% or
NOTE Confidence: 0.738033144285714
00:27:12.382 --> 00:27:14.320 something like that.
NOTE Confidence: 0.738033144285714
00:27:14.320 --> 00:27:17.690 So the way is going to help the way this
NOTE Confidence: 0.738033144285714
00:27:17.778 --> 00:27:21.488 combination therapy between oral appliances.
NOTE Confidence: 0.738033144285714
00:27:21.490 --> 00:27:22.694 According to different studies.
NOTE Confidence: 0.738033144285714
00:27:22.694 --> 00:27:24.500 So what it does it does,
NOTE Confidence: 0.738033144285714
00:27:24.500 --> 00:27:26.684 it helps to reduce the air
NOTE Confidence: 0.738033144285714
00:27:26.684 --> 00:27:28.540 pressure from the C pad,
NOTE Confidence: 0.738033144285714
00:27:28.540 --> 00:27:30.308 making the therapy more
NOTE Confidence: 0.738033144285714
00:27:30.308 --> 00:27:32.076 comfortable for the patient.
NOTE Confidence: 0.738033144285714
00:27:32.080 --> 00:27:34.110 The patient will be able to tolerate
NOTE Confidence: 0.738033144285714

00:27:34.110 --> 00:27:36.976 better the lower pressure of the C PAP,
NOTE Confidence: 0.738033144285714

00:27:36.980 --> 00:27:38.816 and along with the oral appliance,
NOTE Confidence: 0.738033144285714

00:27:38.820 --> 00:27:41.725 so the oral appliances reducing the severity.
NOTE Confidence: 0.738033144285714

00:27:41.730 --> 00:27:44.397 So therefore the path or the air
NOTE Confidence: 0.738033144285714

00:27:44.397 --> 00:27:46.239 pressure pressure in those thing
NOTE Confidence: 0.738033144285714

00:27:46.239 --> 00:27:48.711 has to be in a high high level.
NOTE Confidence: 0.738033144285714

00:27:48.720 --> 00:27:51.078 So as we mentioned so indicated,
NOTE Confidence: 0.738033144285714

00:27:51.080 --> 00:27:53.832 for might moderate can be indicated as the
NOTE Confidence: 0.738033144285714

00:27:53.832 --> 00:27:56.337 first line of therapy according to the
NOTE Confidence: 0.738033144285714

00:27:56.340 --> 00:28:00.186 to the coding guidelines and recommendations.
NOTE Confidence: 0.738033144285714

00:28:00.190 --> 00:28:02.258 And there's some patient with civility, but.
NOTE Confidence: 0.738033144285714

00:28:02.258 --> 00:28:06.802 So on the bottom of this slide so.
NOTE Confidence: 0.738033144285714

00:28:06.810 --> 00:28:08.985 You know we mentioned about
NOTE Confidence: 0.738033144285714

00:28:08.985 --> 00:28:10.290 qualified dental personnel,
NOTE Confidence: 0.738033144285714

00:28:10.290 --> 00:28:11.090 qualified entities,
NOTE Confidence: 0.738033144285714

00:28:11.090 --> 00:28:13.090 So what does that mean?

NOTE Confidence: 0.738033144285714
00:28:13.090 --> 00:28:15.100 So it's an important question.
NOTE Confidence: 0.738033144285714
00:28:15.100 --> 00:28:18.425 That is, lift station and sleep center.
NOTE Confidence: 0.738033144285714
00:28:18.430 --> 00:28:21.070 As you know when they are looking to
NOTE Confidence: 0.738033144285714
00:28:21.070 --> 00:28:23.588 refer patient for oral appliance therapy,
NOTE Confidence: 0.738033144285714
00:28:23.590 --> 00:28:24.616 they need to.
NOTE Confidence: 0.738033144285714
00:28:24.616 --> 00:28:27.526 They want to know you know what dentists
NOTE Confidence: 0.738033144285714
00:28:27.526 --> 00:28:30.118 have the credential of the qualification
NOTE Confidence: 0.738033144285714
00:28:30.118 --> 00:28:32.710 for these two offer this option.
NOTE Confidence: 0.738033144285714
00:28:32.710 --> 00:28:34.288 I mean it's it's very straightforward.
NOTE Confidence: 0.738033144285714
00:28:34.290 --> 00:28:38.169 So then things who decide to get involved in.
NOTE Confidence: 0.738033144285714
00:28:38.170 --> 00:28:41.178 He's in this field.
NOTE Confidence: 0.738033144285714
00:28:41.178 --> 00:28:41.930 So.
NOTE Confidence: 0.738033144285714
00:28:41.930 --> 00:28:44.630 They need to go through and
NOTE Confidence: 0.738033144285714
00:28:44.630 --> 00:28:46.258 extended training understanding of.
NOTE Confidence: 0.738033144285714
00:28:46.258 --> 00:28:48.442 Of course the concept of Sleep
NOTE Confidence: 0.738033144285714

00:28:48.442 --> 00:28:50.030 Medicine or structurally.
NOTE Confidence: 0.738033144285714

00:28:50.030 --> 00:28:50.786 But yeah,
NOTE Confidence: 0.738033144285714

00:28:50.786 --> 00:28:53.432 you know in addition to the understanding
NOTE Confidence: 0.738033144285714

00:28:53.432 --> 00:28:55.915 of course of the the components
NOTE Confidence: 0.738033144285714

00:28:55.915 --> 00:28:57.945 of the oral appliance design,
NOTE Confidence: 0.738033144285714

00:28:57.950 --> 00:29:00.135 titration and different protocols that
NOTE Confidence: 0.738033144285714

00:29:00.135 --> 00:29:03.290 we follow on this on these cases.
NOTE Confidence: 0.738033144285714

00:29:03.290 --> 00:29:06.368 So we look into the function of the devices,
NOTE Confidence: 0.738033144285714

00:29:06.370 --> 00:29:08.344 so we are.
NOTE Confidence: 0.738033144285714

00:29:08.344 --> 00:29:12.438 Looking into this nice systematic review.
NOTE Confidence: 0.738033144285714

00:29:12.438 --> 00:29:14.556 So basically this.
NOTE Confidence: 0.738033144285714

00:29:14.560 --> 00:29:19.258 This report shows the possible mechanism
NOTE Confidence: 0.738033144285714

00:29:19.260 --> 00:29:21.792 that the oral appliances make over
NOTE Confidence: 0.738033144285714

00:29:21.792 --> 00:29:24.848 the upper airway and and the autos.
NOTE Confidence: 0.738033144285714

00:29:24.848 --> 00:29:27.530 Here they describe three main mechanisms,
NOTE Confidence: 0.738033144285714

00:29:27.530 --> 00:29:29.980 so advancement of the mandible

NOTE Confidence: 0.738033144285714

00:29:29.980 --> 00:29:31.940 with the oral appliance.

NOTE Confidence: 0.717612345

00:29:31.940 --> 00:29:34.774 You know it has to move this global

NOTE Confidence: 0.717612345

00:29:34.774 --> 00:29:37.309 muscles to enlarge the airway.

NOTE Confidence: 0.717612345

00:29:37.310 --> 00:29:40.100 So it helps to provide some

NOTE Confidence: 0.717612345

00:29:40.100 --> 00:29:41.960 degree of tension extending

NOTE Confidence: 0.717612345

00:29:42.051 --> 00:29:44.925 tension across the the South Pole.

NOTE Confidence: 0.717612345

00:29:44.930 --> 00:29:48.530 And lastly, it seems to maintain,

NOTE Confidence: 0.717612345

00:29:48.530 --> 00:29:50.690 you know, by having this forward

NOTE Confidence: 0.717612345

00:29:50.690 --> 00:29:52.130 position of the mandible.

NOTE Confidence: 0.717612345

00:29:52.130 --> 00:29:55.034 So it tends to modify the higher bond.

NOTE Confidence: 0.717612345

00:29:55.040 --> 00:29:56.884 They hired bond position.

NOTE Confidence: 0.717612345

00:29:56.884 --> 00:29:59.189 So combination of these three

NOTE Confidence: 0.717612345

00:29:59.190 --> 00:30:01.640 possible mechanism it helps to

NOTE Confidence: 0.717612345

00:30:01.640 --> 00:30:04.930 maintain the patent see over the the

NOTE Confidence: 0.717612345

00:30:04.930 --> 00:30:07.576 on the airway so at least reduce.

NOTE Confidence: 0.717612345

00:30:07.580 --> 00:30:10.350 The the obstruction or eliminate
NOTE Confidence: 0.717612345

00:30:10.350 --> 00:30:13.790 completely the the the respiratory events.
NOTE Confidence: 0.717612345

00:30:13.790 --> 00:30:16.646 And then I mean we go back into
NOTE Confidence: 0.717612345

00:30:16.646 --> 00:30:19.266 the early studies about the
NOTE Confidence: 0.717612345

00:30:19.266 --> 00:30:21.678 mandible advancing the mandible.
NOTE Confidence: 0.717612345

00:30:21.680 --> 00:30:24.640 So it's basically those dependent.
NOTE Confidence: 0.717612345

00:30:24.640 --> 00:30:27.220 So this this study.
NOTE Confidence: 0.717612345

00:30:27.220 --> 00:30:30.130 Done by the group in Japan,
NOTE Confidence: 0.717612345

00:30:30.130 --> 00:30:33.740 doctor Sona and Doctor Caddo so it
NOTE Confidence: 0.717612345

00:30:33.740 --> 00:30:35.480 demonstrate that they stratified
NOTE Confidence: 0.717612345

00:30:35.480 --> 00:30:37.754 there was some state wise
NOTE Confidence: 0.717612345

00:30:37.754 --> 00:30:40.029 advanced mental demandable at 2,
NOTE Confidence: 0.717612345

00:30:40.030 --> 00:30:41.946 four and six millimeters,
NOTE Confidence: 0.717612345

00:30:41.946 --> 00:30:44.341 and they reported how the
NOTE Confidence: 0.717612345

00:30:44.341 --> 00:30:46.349 advancement of this demandable.
NOTE Confidence: 0.717612345

00:30:46.350 --> 00:30:48.804 Though it improved the oxygen oxygen

NOTE Confidence: 0.717612345

00:30:48.804 --> 00:30:51.927 saturation and it was one of the you know,

NOTE Confidence: 0.717612345

00:30:51.930 --> 00:30:54.634 early studies regarding the

NOTE Confidence: 0.717612345

00:30:54.634 --> 00:30:57.338 demonstrating the the defect.

NOTE Confidence: 0.717612345

00:30:57.340 --> 00:30:59.680 Last Monday will advancement over

NOTE Confidence: 0.717612345

00:30:59.680 --> 00:31:02.494 the struction of the of the airway,

NOTE Confidence: 0.717612345

00:31:02.500 --> 00:31:04.890 and there are some other.

NOTE Confidence: 0.717612345

00:31:04.890 --> 00:31:07.669 Other studies from this group in the

NOTE Confidence: 0.717612345

00:31:07.669 --> 00:31:10.513 in in Australia Professor Ecker and

NOTE Confidence: 0.717612345

00:31:10.513 --> 00:31:13.116 and and other collaborators, 2018.

NOTE Confidence: 0.717612345

00:31:13.116 --> 00:31:16.152 So there was this nice publication

NOTE Confidence: 0.717612345

00:31:16.152 --> 00:31:18.789 about no reporting the way this

NOTE Confidence: 0.717612345

00:31:18.790 --> 00:31:22.110 movement at Boston Demandable.

NOTE Confidence: 0.717612345

00:31:22.110 --> 00:31:24.426 He has already anatomy of the

NOTE Confidence: 0.717612345

00:31:24.426 --> 00:31:26.690 of the upper airway muscles.

NOTE Confidence: 0.717612345

00:31:26.690 --> 00:31:27.243 Basically,

NOTE Confidence: 0.717612345

00:31:27.243 --> 00:31:30.561 it tends to tense or increase
NOTE Confidence: 0.717612345

00:31:30.561 --> 00:31:32.830 the the airway size.
NOTE Confidence: 0.717612345

00:31:32.830 --> 00:31:34.810 You know it tends to maintain.
NOTE Confidence: 0.717612345

00:31:34.810 --> 00:31:36.424 Or increase the size on the
NOTE Confidence: 0.717612345

00:31:36.424 --> 00:31:37.990 area of the soft palate.
NOTE Confidence: 0.717612345

00:31:37.990 --> 00:31:41.270 Remove the the way so they don't forward,
NOTE Confidence: 0.717612345

00:31:41.270 --> 00:31:42.416 and so on.
NOTE Confidence: 0.717612345

00:31:42.416 --> 00:31:43.944 In addition to that,
NOTE Confidence: 0.717612345

00:31:43.950 --> 00:31:46.115 they also report that another
NOTE Confidence: 0.717612345

00:31:46.115 --> 00:31:48.783 possible mechanism it tends to the
NOTE Confidence: 0.717612345

00:31:48.783 --> 00:31:51.339 advancement of the mandible in May
NOTE Confidence: 0.717612345

00:31:51.339 --> 00:31:54.292 stimulate some local reflects and overall,
NOTE Confidence: 0.717612345

00:31:54.292 --> 00:31:56.847 so this is a mechanical,
NOTE Confidence: 0.717612345

00:31:56.850 --> 00:31:59.580 mechanical way to maintain the
NOTE Confidence: 0.717612345

00:31:59.580 --> 00:32:03.560 airway open during during the sleep.
NOTE Confidence: 0.717612345

00:32:03.560 --> 00:32:06.368 Now when we look into these

NOTE Confidence: 0.717612345

00:32:06.370 --> 00:32:08.380 two therapies and and and,

NOTE Confidence: 0.717612345

00:32:08.380 --> 00:32:10.780 this is very important to

NOTE Confidence: 0.717612345

00:32:10.780 --> 00:32:12.700 to explain and understand.

NOTE Confidence: 0.717612345

00:32:12.700 --> 00:32:16.230 So dentist so we understand

NOTE Confidence: 0.717612345

00:32:16.230 --> 00:32:19.760 that CPAP is highly effective.

NOTE Confidence: 0.717612345

00:32:19.760 --> 00:32:23.000 You know is normally provided the

NOTE Confidence: 0.717612345

00:32:23.000 --> 00:32:25.560 first line of therapy however,

NOTE Confidence: 0.717612345

00:32:25.560 --> 00:32:28.360 so there are a group of patients.

NOTE Confidence: 0.717612345

00:32:28.360 --> 00:32:30.570 There is an important percentage

NOTE Confidence: 0.717612345

00:32:30.570 --> 00:32:32.218 of patients who unfortunately

NOTE Confidence: 0.717612345

00:32:32.218 --> 00:32:33.808 will not be able to.

NOTE Confidence: 0.717612345

00:32:33.810 --> 00:32:36.708 Tolerate the therapy and then you know.

NOTE Confidence: 0.717612345

00:32:36.710 --> 00:32:38.677 So we need to look for alternative.

NOTE Confidence: 0.717612345

00:32:38.680 --> 00:32:40.948 We need to look for different options.

NOTE Confidence: 0.717612345

00:32:40.950 --> 00:32:43.806 Oral appliances is one of the alternatives

NOTE Confidence: 0.717612345

00:32:43.806 --> 00:32:46.610 to the to the sipad failures.
NOTE Confidence: 0.717612345

00:32:46.610 --> 00:32:50.240 So C Pap and Orla plans.
NOTE Confidence: 0.717612345

00:32:50.240 --> 00:32:53.564 So here pretty much explained efficacy
NOTE Confidence: 0.717612345

00:32:53.564 --> 00:32:56.130 and effectiveness of these two
NOTE Confidence: 0.717612345

00:32:56.130 --> 00:32:59.805 three modalities and we know that C.
NOTE Confidence: 0.717612345

00:32:59.810 --> 00:33:01.798 Pap of course will provide a higher.
NOTE Confidence: 0.894906044444444

00:33:03.900 --> 00:33:06.620 Results, But then when we
NOTE Confidence: 0.894906044444444

00:33:06.620 --> 00:33:08.796 get into the adherence,
NOTE Confidence: 0.894906044444444

00:33:08.800 --> 00:33:11.752 the compliance of 1 therapy versus
NOTE Confidence: 0.894906044444444

00:33:11.752 --> 00:33:15.330 the other so we can see that
NOTE Confidence: 0.894906044444444

00:33:15.330 --> 00:33:17.974 according to a different report,
NOTE Confidence: 0.894906044444444

00:33:17.974 --> 00:33:19.102 different studies.
NOTE Confidence: 0.894906044444444

00:33:19.102 --> 00:33:22.330 So we see that the compliance
NOTE Confidence: 0.894906044444444

00:33:22.330 --> 00:33:24.755 one therapy versus the other
NOTE Confidence: 0.894906044444444

00:33:24.755 --> 00:33:27.060 is is significantly different.
NOTE Confidence: 0.894906044444444

00:33:27.060 --> 00:33:30.637 So if you can see them focusing.

NOTE Confidence: 0.894906044444444

00:33:30.640 --> 00:33:33.188 It's how you don't see PAP compliance

NOTE Confidence: 0.894906044444444

00:33:33.188 --> 00:33:35.286 is lower compared to oral appliances

NOTE Confidence: 0.894906044444444

00:33:35.286 --> 00:33:38.000 and this is where we need to assess.

NOTE Confidence: 0.894906044444444

00:33:38.000 --> 00:33:40.010 We need to determine you know

NOTE Confidence: 0.894906044444444

00:33:40.010 --> 00:33:41.804 what are the characteristic of

NOTE Confidence: 0.894906044444444

00:33:41.804 --> 00:33:43.356 this particular patient visit.

NOTE Confidence: 0.894906044444444

00:33:43.360 --> 00:33:46.978 Patient will be able to tolerate

NOTE Confidence: 0.894906044444444

00:33:46.978 --> 00:33:49.718 or reception a good candidate

NOTE Confidence: 0.894906044444444

00:33:49.720 --> 00:33:51.532 for oral appliance therapy.

NOTE Confidence: 0.894906044444444

00:33:51.532 --> 00:33:55.289 Or maybe it could be a patient that will

NOTE Confidence: 0.894906044444444

00:33:55.289 --> 00:33:57.036 benefit from combination combination

NOTE Confidence: 0.894906044444444

00:33:57.036 --> 00:33:59.647 of these two two options, certainly.

NOTE Confidence: 0.894906044444444

00:33:59.647 --> 00:34:00.748 He gets some.

NOTE Confidence: 0.894906044444444

00:34:00.748 --> 00:34:04.660 He can sleep, but he gets deeper Lee.

NOTE Confidence: 0.894906044444444

00:34:04.660 --> 00:34:07.180 This meant about patient characteristics,

NOTE Confidence: 0.894906044444444

00:34:07.180 --> 00:34:08.642 patient assessment.
NOTE Confidence: 0.8949060444444444

00:34:08.642 --> 00:34:11.566 So before we initiate.
NOTE Confidence: 0.8949060444444444

00:34:11.570 --> 00:34:14.386 That update with oral appliances and we tend
NOTE Confidence: 0.8949060444444444

00:34:14.386 --> 00:34:17.310 to evaluate all these factors and you know,
NOTE Confidence: 0.8949060444444444

00:34:17.310 --> 00:34:20.370 try to maintain a very strong
NOTE Confidence: 0.8949060444444444

00:34:20.370 --> 00:34:22.062 communication and collaboration.
NOTE Confidence: 0.8949060444444444

00:34:22.062 --> 00:34:23.190 Of course,
NOTE Confidence: 0.8949060444444444

00:34:23.190 --> 00:34:28.166 with the the Sleep Center they sleep session.
NOTE Confidence: 0.8949060444444444

00:34:28.170 --> 00:34:30.100 So oral appliance just to
NOTE Confidence: 0.8949060444444444

00:34:30.100 --> 00:34:32.030 conclude this this this part.
NOTE Confidence: 0.8949060444444444

00:34:32.030 --> 00:34:34.328 This step of the the protocol.
NOTE Confidence: 0.8949060444444444

00:34:34.330 --> 00:34:37.552 So oral appliance designed is extremely
NOTE Confidence: 0.8949060444444444

00:34:37.552 --> 00:34:40.447 important is important to understand
NOTE Confidence: 0.8949060444444444

00:34:40.447 --> 00:34:42.730 the mechanism and still notice.
NOTE Confidence: 0.8949060444444444

00:34:42.730 --> 00:34:45.410 So we are not talking about brand names.
NOTE Confidence: 0.8949060444444444

00:34:45.410 --> 00:34:47.762 So there is a long list of

NOTE Confidence: 0.894906044444444

00:34:47.762 --> 00:34:48.770 commercial available devices.

NOTE Confidence: 0.894906044444444

00:34:48.770 --> 00:34:52.568 Although devices for fall on there.

NOTE Confidence: 0.894906044444444

00:34:52.570 --> 00:34:54.436 Four particular categories

NOTE Confidence: 0.894906044444444

00:34:54.436 --> 00:34:57.546 and again the main point.

NOTE Confidence: 0.894906044444444

00:34:57.550 --> 00:34:58.831 From the dental.

NOTE Confidence: 0.894906044444444

00:34:58.831 --> 00:35:00.966 From the dentist to implement.

NOTE Confidence: 0.894906044444444

00:35:00.970 --> 00:35:04.330 To apply this oral appliances is to

NOTE Confidence: 0.894906044444444

00:35:04.330 --> 00:35:07.312 have a good understanding of the you

NOTE Confidence: 0.894906044444444

00:35:07.312 --> 00:35:09.452 know the Physiology, the mechanism,

NOTE Confidence: 0.894906044444444

00:35:09.452 --> 00:35:11.657 the function of the airway,

NOTE Confidence: 0.894906044444444

00:35:11.660 --> 00:35:13.808 patient selection, you know,

NOTE Confidence: 0.894906044444444

00:35:13.808 --> 00:35:16.493 severity so so many characters.

NOTE Confidence: 0.894906044444444

00:35:16.500 --> 00:35:19.284 So many things that we look

NOTE Confidence: 0.894906044444444

00:35:19.284 --> 00:35:21.970 before we initiate this therapy.

NOTE Confidence: 0.894906044444444

00:35:21.970 --> 00:35:23.970 But let's say you know at this point,

NOTE Confidence: 0.894906044444444

00:35:23.970 --> 00:35:26.830 so we completed the screening.
NOTE Confidence: 0.8949060444444444

00:35:26.830 --> 00:35:30.280 The examination. Diagnosis with stab Lish.
NOTE Confidence: 0.8949060444444444

00:35:30.280 --> 00:35:32.620 The communication with sleep physician.
NOTE Confidence: 0.8949060444444444

00:35:32.620 --> 00:35:35.516 So now it's time for the next step
NOTE Confidence: 0.8949060444444444

00:35:35.516 --> 00:35:39.910 will be to, you know, to determine.
NOTE Confidence: 0.8949060444444444

00:35:39.910 --> 00:35:42.766 The initial position of the mandible,
NOTE Confidence: 0.8949060444444444

00:35:42.770 --> 00:35:45.392 the initial position that we're going
NOTE Confidence: 0.8949060444444444

00:35:45.392 --> 00:35:47.960 to fabricate the oral appliance.
NOTE Confidence: 0.8949060444444444

00:35:47.960 --> 00:35:50.756 Commonly known as a buyer registration,
NOTE Confidence: 0.8949060444444444

00:35:50.760 --> 00:35:52.800 so this picture shows the bar
NOTE Confidence: 0.8949060444444444

00:35:52.800 --> 00:35:54.980 registration with one of our patients
NOTE Confidence: 0.8949060444444444

00:35:54.980 --> 00:35:57.116 and then when we look into the evidence.
NOTE Confidence: 0.8949060444444444

00:35:57.120 --> 00:35:58.640 So what the evidence shows?
NOTE Confidence: 0.8949060444444444

00:35:58.640 --> 00:36:01.616 What the you know literature shows.
NOTE Confidence: 0.8949060444444444

00:36:01.620 --> 00:36:04.060 So the initial mandibular position,
NOTE Confidence: 0.8949060444444444

00:36:04.060 --> 00:36:04.780 you know,

NOTE Confidence: 0.894906044444444

00:36:04.780 --> 00:36:06.940 the position that we that we're

NOTE Confidence: 0.894906044444444

00:36:06.940 --> 00:36:09.679 going to start therapy and structure

NOTE Confidence: 0.894906044444444

00:36:09.680 --> 00:36:13.280 and the patient so to determine

NOTE Confidence: 0.894906044444444

00:36:13.280 --> 00:36:15.080 that initial position,

NOTE Confidence: 0.894906044444444

00:36:15.080 --> 00:36:17.880 we're going to evaluate much these steps.

NOTE Confidence: 0.894906044444444

00:36:17.880 --> 00:36:20.736 We review earlier during the examination,

NOTE Confidence: 0.894906044444444

00:36:20.740 --> 00:36:22.216 dentition muscles,

NOTE Confidence: 0.894906044444444

00:36:22.216 --> 00:36:25.168 temporomandibular joint severity of

NOTE Confidence: 0.894906044444444

00:36:25.168 --> 00:36:29.119 the obstructive sleep apnea and so on.

NOTE Confidence: 0.894906044444444

00:36:29.120 --> 00:36:30.618 So just to give you an idea,

NOTE Confidence: 0.894906044444444

00:36:30.620 --> 00:36:33.340 the range of initial position

NOTE Confidence: 0.894906044444444

00:36:33.340 --> 00:36:36.060 initial protrusion that we implement

NOTE Confidence: 0.894906044444444

00:36:36.149 --> 00:36:37.797 as the initial step.

NOTE Confidence: 0.894906044444444

00:36:37.800 --> 00:36:42.632 He goes from 25 to 75% position that

NOTE Confidence: 0.894906044444444

00:36:42.632 --> 00:36:45.180 is comfortable and therapeutica

NOTE Confidence: 0.894906044444444

00:36:45.180 --> 00:36:47.340 in a therapeutic range.
NOTE Confidence: 0.8949060444444444

00:36:47.340 --> 00:36:49.916 Is is a long range 25 to 75.
NOTE Confidence: 0.8949060444444444

00:36:49.920 --> 00:36:50.834 So, however,
NOTE Confidence: 0.8949060444444444

00:36:50.834 --> 00:36:54.551 going to determine if it's 2550 or 75,
NOTE Confidence: 0.8949060444444444

00:36:54.551 --> 00:36:56.936 well condition of the muscles,
NOTE Confidence: 0.758598112

00:36:56.940 --> 00:36:58.828 condition of the temporomandibular
NOTE Confidence: 0.758598112

00:36:58.828 --> 00:37:00.700 joint is a patient with mild,
NOTE Confidence: 0.758598112

00:37:00.700 --> 00:37:03.118 moderate or severe obstructive sleep apnea,
NOTE Confidence: 0.758598112

00:37:03.120 --> 00:37:07.706 so they will need some increase of a
NOTE Confidence: 0.758598112

00:37:07.706 --> 00:37:10.838 protrusion depending on those those factors.
NOTE Confidence: 0.758598112

00:37:10.840 --> 00:37:13.857 So after we finish the by registration
NOTE Confidence: 0.758598112

00:37:13.857 --> 00:37:16.880 or determine the the initial settings.
NOTE Confidence: 0.758598112

00:37:16.880 --> 00:37:18.460 So now the appliances
NOTE Confidence: 0.758598112

00:37:18.460 --> 00:37:20.040 fabricated and we proceed.
NOTE Confidence: 0.758598112

00:37:20.040 --> 00:37:21.624 With the seating of the oral
NOTE Confidence: 0.758598112

00:37:21.624 --> 00:37:23.320 appliance and we look into three,

NOTE Confidence: 0.758598112

00:37:23.320 --> 00:37:26.200 these three factors, comfort,

NOTE Confidence: 0.758598112

00:37:26.200 --> 00:37:28.160 retention, good retention of the device,

NOTE Confidence: 0.758598112

00:37:28.160 --> 00:37:31.584 of course, and we verify some of the

NOTE Confidence: 0.758598112

00:37:31.584 --> 00:37:34.458 the occlusal the occlusal contacts.

NOTE Confidence: 0.758598112

00:37:34.460 --> 00:37:38.130 So from the initial position,

NOTE Confidence: 0.758598112

00:37:38.130 --> 00:37:39.994 the initial mandibular position,

NOTE Confidence: 0.758598112

00:37:39.994 --> 00:37:43.611 now we need to move into the

NOTE Confidence: 0.758598112

00:37:43.611 --> 00:37:45.819 therapeutic mandibular position.

NOTE Confidence: 0.758598112

00:37:45.820 --> 00:37:48.250 So the therapeutic mandibular position

NOTE Confidence: 0.758598112

00:37:48.250 --> 00:37:50.680 is the mandibular position that

NOTE Confidence: 0.758598112

00:37:50.753 --> 00:37:53.223 will provide the best resolution

NOTE Confidence: 0.758598112

00:37:53.223 --> 00:37:55.199 for symptoms regarding snoring,

NOTE Confidence: 0.758598112

00:37:55.200 --> 00:37:58.860 daytime sleepiness, quality of sleep,

NOTE Confidence: 0.758598112

00:37:58.860 --> 00:37:59.904 and of course,

NOTE Confidence: 0.758598112

00:37:59.904 --> 00:38:02.340 we need to measure the respiratory events.

NOTE Confidence: 0.758598112

00:38:02.340 --> 00:38:04.848 So reduction of.
NOTE Confidence: 0.758598112

00:38:04.850 --> 00:38:07.724 Hypopnea index as a measurement of
NOTE Confidence: 0.758598112

00:38:07.724 --> 00:38:11.209 success and increase of oxygen saturation.
NOTE Confidence: 0.758598112

00:38:11.210 --> 00:38:14.279 So this device is the way that we will
NOTE Confidence: 0.758598112

00:38:14.279 --> 00:38:17.030 achieve the therapeutic position is by
NOTE Confidence: 0.758598112

00:38:17.030 --> 00:38:19.795 performing the adjustment that I show
NOTE Confidence: 0.758598112

00:38:19.795 --> 00:38:22.627 on the video as on the previous slide.
NOTE Confidence: 0.758598112

00:38:22.630 --> 00:38:25.282 So that's why all these devices
NOTE Confidence: 0.758598112

00:38:25.282 --> 00:38:27.594 they have this particular mechanism
NOTE Confidence: 0.758598112

00:38:27.594 --> 00:38:31.550 that will help to to achieve this.
NOTE Confidence: 0.758598112

00:38:31.550 --> 00:38:33.965 This particular position and.
NOTE Confidence: 0.758598112

00:38:33.965 --> 00:38:35.945 The specific therapeutic position
NOTE Confidence: 0.758598112

00:38:35.945 --> 00:38:39.033 certainly is going to be different
NOTE Confidence: 0.758598112

00:38:39.033 --> 00:38:41.169 from patient to patient.
NOTE Confidence: 0.758598112

00:38:41.170 --> 00:38:43.346 It could be a 5075%.
NOTE Confidence: 0.758598112

00:38:43.346 --> 00:38:45.726 So achieving this terrible team

NOTE Confidence: 0.758598112

00:38:45.726 --> 00:38:48.647 and the rural position is done

NOTE Confidence: 0.758598112

00:38:48.647 --> 00:38:50.987 during the follow up appointments.

NOTE Confidence: 0.758598112

00:38:50.990 --> 00:38:54.338 So we provide the oral appliance.

NOTE Confidence: 0.758598112

00:38:54.340 --> 00:38:56.698 And we communicate with the patient.

NOTE Confidence: 0.758598112

00:38:56.700 --> 00:38:59.990 We explain the importance of

NOTE Confidence: 0.758598112

00:38:59.990 --> 00:39:02.610 coming back for follow ups.

NOTE Confidence: 0.758598112

00:39:02.610 --> 00:39:05.106 So the adjustment of this device is again,

NOTE Confidence: 0.758598112

00:39:05.110 --> 00:39:07.297 it can be done at the by the patient

NOTE Confidence: 0.758598112

00:39:07.297 --> 00:39:08.695 with a very strong explanation

NOTE Confidence: 0.758598112

00:39:08.695 --> 00:39:10.690 on how to do that at home,

NOTE Confidence: 0.758598112

00:39:10.690 --> 00:39:14.106 or preferable is done in the dental

NOTE Confidence: 0.758598112

00:39:14.106 --> 00:39:17.358 dental clinic in the dental office.

NOTE Confidence: 0.758598112

00:39:17.360 --> 00:39:18.860 So in this way,

NOTE Confidence: 0.758598112

00:39:18.860 --> 00:39:20.735 during the follow up appointments

NOTE Confidence: 0.758598112

00:39:20.735 --> 00:39:22.799 regarding the patient will come back

NOTE Confidence: 0.758598112

00:39:22.799 --> 00:39:24.870 every three weeks once a month.

NOTE Confidence: 0.758598112

00:39:24.870 --> 00:39:27.888 So during the follow up appointments

NOTE Confidence: 0.758598112

00:39:27.888 --> 00:39:29.900 we do the assessment.

NOTE Confidence: 0.758598112

00:39:29.900 --> 00:39:32.375 Any changes on this sleepiness

NOTE Confidence: 0.758598112

00:39:32.375 --> 00:39:34.850 it snoring quality with sleep,

NOTE Confidence: 0.758598112

00:39:34.850 --> 00:39:37.094 different things that we implement on

NOTE Confidence: 0.758598112

00:39:37.094 --> 00:39:39.510 the on the questionnaires and that

NOTE Confidence: 0.758598112

00:39:39.510 --> 00:39:42.730 will help to determine the need for

NOTE Confidence: 0.758598112

00:39:42.730 --> 00:39:45.369 additional adjustment on the device.

NOTE Confidence: 0.758598112

00:39:45.370 --> 00:39:47.338 So it's very important for me

NOTE Confidence: 0.758598112

00:39:47.338 --> 00:39:49.470 to mention that at this point,

NOTE Confidence: 0.758598112

00:39:49.470 --> 00:39:53.366 even if the patient report that they are,

NOTE Confidence: 0.758598112

00:39:53.370 --> 00:39:54.718 you know, feeling fantastic,

NOTE Confidence: 0.758598112

00:39:54.718 --> 00:39:56.403 they were called feeling refreshed.

NOTE Confidence: 0.758598112

00:39:56.410 --> 00:39:58.826 They don't feel sleepy anymore that.

NOTE Confidence: 0.758598112

00:39:58.826 --> 00:40:00.134 Is not sufficient.

NOTE Confidence: 0.758598112
00:40:00.134 --> 00:40:02.795 That is only the subjective assessment.
NOTE Confidence: 0.758598112
00:40:02.795 --> 00:40:05.645 The subjective report from the patient.
NOTE Confidence: 0.758598112
00:40:05.650 --> 00:40:09.346 So we need to refer the patient
NOTE Confidence: 0.758598112
00:40:09.346 --> 00:40:11.336 back to the sleep center.
NOTE Confidence: 0.758598112
00:40:11.336 --> 00:40:13.156 Refer the patient back to
NOTE Confidence: 0.758598112
00:40:13.156 --> 00:40:14.759 the sleep physician.
NOTE Confidence: 0.758598112
00:40:14.760 --> 00:40:17.450 And request the additional is
NOTE Confidence: 0.758598112
00:40:17.450 --> 00:40:21.139 sleep study so it follow up sleep.
NOTE Confidence: 0.758598112
00:40:21.140 --> 00:40:24.626 Study with the oral appliance in place.
NOTE Confidence: 0.758598112
00:40:24.630 --> 00:40:26.826 And again this is a protocol that we have.
NOTE Confidence: 0.758598112
00:40:26.830 --> 00:40:31.500 We follow. The sleep centers are.
NOTE Confidence: 0.758598112
00:40:31.500 --> 00:40:33.244 Familiar when the patient
NOTE Confidence: 0.758598112
00:40:33.244 --> 00:40:34.912 returns for additional sleep.
NOTE Confidence: 0.758598112
00:40:34.912 --> 00:40:36.496 Test with oral appliance.
NOTE Confidence: 0.758598112
00:40:36.500 --> 00:40:38.798 The main purpose is to compare
NOTE Confidence: 0.758598112

00:40:38.800 --> 00:40:40.860 the baseline and the follow
NOTE Confidence: 0.758598112

00:40:40.860 --> 00:40:42.920 up with the oral appliance.
NOTE Confidence: 0.671094325

00:40:42.920 --> 00:40:45.432 After completion of adjustment,
NOTE Confidence: 0.671094325

00:40:45.432 --> 00:40:48.860 other devices and going back to the
NOTE Confidence: 0.671094325

00:40:48.860 --> 00:40:51.352 you know patient characteristics.
NOTE Confidence: 0.671094325

00:40:51.352 --> 00:40:52.598 Patient selection.
NOTE Confidence: 0.671094325

00:40:52.600 --> 00:40:55.560 Not every patient will respond
NOTE Confidence: 0.671094325

00:40:55.560 --> 00:40:57.280 to oral appliance therapy.
NOTE Confidence: 0.671094325

00:40:57.280 --> 00:40:59.000 There are different factors,
NOTE Confidence: 0.671094325

00:40:59.000 --> 00:41:01.160 and of course there are different.
NOTE Confidence: 0.671094325

00:41:01.160 --> 00:41:04.120 Studies there are some evidence
NOTE Confidence: 0.671094325

00:41:04.120 --> 00:41:06.345 showing some group patient that
NOTE Confidence: 0.671094325

00:41:06.345 --> 00:41:09.165 responds that have a better response
NOTE Confidence: 0.671094325

00:41:09.165 --> 00:41:11.940 to oral appliance therapy and what
NOTE Confidence: 0.671094325

00:41:11.940 --> 00:41:13.740 are those predictors of success?
NOTE Confidence: 0.671094325

00:41:13.740 --> 00:41:16.540 I mean, we look into the literature,

NOTE Confidence: 0.671094325

00:41:16.540 --> 00:41:18.880 so there are different predictors

NOTE Confidence: 0.671094325

00:41:18.880 --> 00:41:21.220 of treatment response predictor for

NOTE Confidence: 0.671094325

00:41:21.292 --> 00:41:23.600 oral appliance treatment response.

NOTE Confidence: 0.671094325

00:41:23.600 --> 00:41:25.497 And this is based on what we

NOTE Confidence: 0.671094325

00:41:25.497 --> 00:41:27.057 included in this additional form

NOTE Confidence: 0.671094325

00:41:27.057 --> 00:41:29.115 that we are developed with with

NOTE Confidence: 0.671094325

00:41:29.115 --> 00:41:30.889 my fellow my risk students.

NOTE Confidence: 0.671094325

00:41:30.890 --> 00:41:33.338 No, it's based on the sum

NOTE Confidence: 0.671094325

00:41:33.338 --> 00:41:34.154 anthropomorphics factors.

NOTE Confidence: 0.671094325

00:41:34.160 --> 00:41:35.390 You know Asian.

NOTE Confidence: 0.671094325

00:41:35.390 --> 00:41:38.180 There be my next conference

NOTE Confidence: 0.671094325

00:41:38.180 --> 00:41:40.520 or pharyngeal dimension.

NOTE Confidence: 0.671094325

00:41:40.520 --> 00:41:40.991 Sunset,

NOTE Confidence: 0.671094325

00:41:40.991 --> 00:41:43.817 follow metric analysis and very important.

NOTE Confidence: 0.671094325

00:41:43.820 --> 00:41:47.170 What is the condition of the the

NOTE Confidence: 0.671094325

00:41:47.170 --> 00:41:48.670 severity of the condition of
NOTE Confidence: 0.671094325

00:41:48.670 --> 00:41:50.620 the patient with my motor severe
NOTE Confidence: 0.671094325

00:41:50.620 --> 00:41:53.620 and also very important too.
NOTE Confidence: 0.671094325

00:41:53.620 --> 00:41:57.418 To include the predictor of indication,
NOTE Confidence: 0.671094325

00:41:57.418 --> 00:42:00.370 have pre-existing TMD temporomandibular
NOTE Confidence: 0.671094325

00:42:00.370 --> 00:42:04.513 joint disorder symptoms so those patients
NOTE Confidence: 0.671094325

00:42:04.513 --> 00:42:07.077 with temporomandibular joint symptoms,
NOTE Confidence: 0.671094325

00:42:07.080 --> 00:42:08.676 so those are the patients that
NOTE Confidence: 0.671094325

00:42:08.676 --> 00:42:10.949 we need to be extremely cautious.
NOTE Confidence: 0.671094325

00:42:10.950 --> 00:42:13.210 Careful with the initiation of
NOTE Confidence: 0.671094325

00:42:13.210 --> 00:42:16.170 therapy so this patient will require.
NOTE Confidence: 0.671094325

00:42:16.170 --> 00:42:18.830 In this specific appliance design,
NOTE Confidence: 0.671094325

00:42:18.830 --> 00:42:20.918 some particular adjustments on
NOTE Confidence: 0.671094325

00:42:20.918 --> 00:42:23.488 the oral appliance to minimize
NOTE Confidence: 0.671094325

00:42:23.488 --> 00:42:26.482 or to avoid worsening the TMP
NOTE Confidence: 0.671094325

00:42:26.482 --> 00:42:29.660 as the first place with certain

NOTE Confidence: 0.671094325

00:42:29.660 --> 00:42:31.985 modifications of the oral appliance.

NOTE Confidence: 0.671094325

00:42:31.990 --> 00:42:34.510 So we may may be able to help in some

NOTE Confidence: 0.671094325

00:42:34.580 --> 00:42:36.830 patients with this trick sistant,

NOTE Confidence: 0.671094325

00:42:36.830 --> 00:42:39.470 DMD and, of course, side effects.

NOTE Confidence: 0.671094325

00:42:39.470 --> 00:42:41.240 As I mentioned in the beginning

NOTE Confidence: 0.671094325

00:42:41.240 --> 00:42:42.125 of the presentation,

NOTE Confidence: 0.671094325

00:42:42.130 --> 00:42:44.656 side effects are going to occur

NOTE Confidence: 0.671094325

00:42:44.656 --> 00:42:45.919 at some point.

NOTE Confidence: 0.671094325

00:42:45.920 --> 00:42:48.592 It doesn't indicate doesn't

NOTE Confidence: 0.671094325

00:42:48.592 --> 00:42:50.250 represent like you know,

NOTE Confidence: 0.671094325

00:42:50.250 --> 00:42:52.230 something that the patient needs to

NOTE Confidence: 0.671094325

00:42:52.230 --> 00:42:54.420 stop wearing the device right away.

NOTE Confidence: 0.671094325

00:42:54.420 --> 00:42:56.390 So there are different options,

NOTE Confidence: 0.671094325

00:42:56.390 --> 00:42:59.018 different things that we do to

NOTE Confidence: 0.671094325

00:42:59.018 --> 00:43:01.046 minimize or to manage these side

NOTE Confidence: 0.671094325

00:43:01.046 --> 00:43:03.517 effects as we have listed in here.
NOTE Confidence: 0.671094325

00:43:03.520 --> 00:43:05.560 And of course for the purpose
NOTE Confidence: 0.671094325

00:43:05.560 --> 00:43:06.645 of today's presentation.
NOTE Confidence: 0.671094325

00:43:06.645 --> 00:43:09.075 So pretty much we're just listing
NOTE Confidence: 0.671094325

00:43:09.075 --> 00:43:11.390 the common side effects that we
NOTE Confidence: 0.671094325

00:43:11.390 --> 00:43:14.410 see in in patient regarding to the
NOTE Confidence: 0.671094325

00:43:14.410 --> 00:43:16.990 occlusion temporomandibular joint muscles.
NOTE Confidence: 0.671094325

00:43:16.990 --> 00:43:18.502 And and different things.
NOTE Confidence: 0.671094325

00:43:18.502 --> 00:43:21.718 So this is another form and I presented
NOTE Confidence: 0.671094325

00:43:21.718 --> 00:43:23.908 different form because this is,
NOTE Confidence: 0.671094325

00:43:23.910 --> 00:43:25.898 you know, it's very helpful for us.
NOTE Confidence: 0.671094325

00:43:25.900 --> 00:43:28.130 It's very helpful for residents
NOTE Confidence: 0.671094325

00:43:28.130 --> 00:43:30.335 and I'm fellows to understand
NOTE Confidence: 0.671094325

00:43:30.335 --> 00:43:32.099 the progression of treatment
NOTE Confidence: 0.671094325

00:43:32.099 --> 00:43:34.650 or the development of symptoms.
NOTE Confidence: 0.671094325

00:43:34.650 --> 00:43:36.730 So this is discomfort scale

NOTE Confidence: 0.671094325

00:43:36.730 --> 00:43:39.292 that dictation fill out in every

NOTE Confidence: 0.671094325

00:43:39.292 --> 00:43:40.146 single appointment.

NOTE Confidence: 0.671094325

00:43:40.150 --> 00:43:44.044 So it's very helpful to you know

NOTE Confidence: 0.671094325

00:43:44.044 --> 00:43:46.516 to assess if the patient develops

NOTE Confidence: 0.671094325

00:43:46.516 --> 00:43:48.538 any symptoms related to the.

NOTE Confidence: 0.671094325

00:43:48.540 --> 00:43:52.324 Or the common areas that we see here.

NOTE Confidence: 0.671094325

00:43:52.330 --> 00:43:55.811 So the protocol used to conclude the

NOTE Confidence: 0.671094325

00:43:55.811 --> 00:43:58.816 protocols from the dental therapy

NOTE Confidence: 0.671094325

00:43:58.816 --> 00:44:01.634 oral appliance therapy as we went

NOTE Confidence: 0.671094325

00:44:01.634 --> 00:44:03.324 through all the different steps.

NOTE Confidence: 0.671094325

00:44:03.330 --> 00:44:08.987 So the important component is the follow ups.

NOTE Confidence: 0.671094325

00:44:08.987 --> 00:44:11.732 So the dentist months request

NOTE Confidence: 0.671094325

00:44:11.732 --> 00:44:14.718 must explain to the patient the

NOTE Confidence: 0.671094325

00:44:14.718 --> 00:44:16.122 importance of returning.

NOTE Confidence: 0.671094325

00:44:16.122 --> 00:44:18.462 For this follow up appointments.

NOTE Confidence: 0.671094325

00:44:18.470 --> 00:44:20.395 And of course the documentation
NOTE Confidence: 0.671094325

00:44:20.395 --> 00:44:22.320 and information that we get.
NOTE Confidence: 0.671094325

00:44:22.320 --> 00:44:25.840 From these from these visits.
NOTE Confidence: 0.671094325

00:44:25.840 --> 00:44:28.055 So after we complete all
NOTE Confidence: 0.671094325

00:44:28.055 --> 00:44:30.270 the adjustments on the oral
NOTE Confidence: 0.775053302142857

00:44:30.362 --> 00:44:32.578 appliance at the division,
NOTE Confidence: 0.775053302142857

00:44:32.580 --> 00:44:34.300 returns to the Sleep Center
NOTE Confidence: 0.775053302142857

00:44:34.300 --> 00:44:36.020 or to the sleep physician.
NOTE Confidence: 0.775053302142857

00:44:36.020 --> 00:44:38.618 We verified that the treatment is,
NOTE Confidence: 0.775053302142857

00:44:38.620 --> 00:44:40.040 you know, is effective.
NOTE Confidence: 0.775053302142857

00:44:40.040 --> 00:44:42.170 The of the index or the
NOTE Confidence: 0.775053302142857

00:44:42.254 --> 00:44:43.919 symptoms are resolved.
NOTE Confidence: 0.775053302142857

00:44:43.920 --> 00:44:45.440 So in collaboration and
NOTE Confidence: 0.775053302142857

00:44:45.440 --> 00:44:46.960 communication with his sleep,
NOTE Confidence: 0.775053302142857

00:44:46.960 --> 00:44:48.820 sleep physician or the sleep center.
NOTE Confidence: 0.775053302142857

00:44:48.820 --> 00:44:52.060 So we stab Lish, the long term management.

NOTE Confidence: 0.775053302142857
00:44:52.060 --> 00:44:54.550 So the long term management
NOTE Confidence: 0.775053302142857
00:44:54.550 --> 00:44:56.422 from the dental standpoint,
NOTE Confidence: 0.775053302142857
00:44:56.422 --> 00:44:59.747 so it includes seeing the patient initially
NOTE Confidence: 0.775053302142857
00:44:59.747 --> 00:45:03.227 at six months and eventually once a year.
NOTE Confidence: 0.775053302142857
00:45:03.230 --> 00:45:05.841 And what do we do during those
NOTE Confidence: 0.775053302142857
00:45:05.841 --> 00:45:07.390 long term follow-up appointment?
NOTE Confidence: 0.775053302142857
00:45:07.390 --> 00:45:08.590 Well, I mean,
NOTE Confidence: 0.775053302142857
00:45:08.590 --> 00:45:11.369 we verify the condition of the oral
NOTE Confidence: 0.775053302142857
00:45:11.369 --> 00:45:14.906 appliance and we get an update on the
NOTE Confidence: 0.775053302142857
00:45:14.906 --> 00:45:17.330 medical history medication body weight,
NOTE Confidence: 0.775053302142857
00:45:17.330 --> 00:45:19.682 something that may compromise
NOTE Confidence: 0.775053302142857
00:45:19.682 --> 00:45:22.034 the the the the.
NOTE Confidence: 0.775053302142857
00:45:22.040 --> 00:45:24.340 Outcome efficacy of the of
NOTE Confidence: 0.775053302142857
00:45:24.340 --> 00:45:26.640 the oral appliance if needed,
NOTE Confidence: 0.775053302142857
00:45:26.640 --> 00:45:28.412 so the patient may.
NOTE Confidence: 0.775053302142857

00:45:28.412 --> 00:45:29.298 You know,
NOTE Confidence: 0.775053302142857

00:45:29.300 --> 00:45:31.394 we may refer the patient for
NOTE Confidence: 0.775053302142857

00:45:31.394 --> 00:45:32.790 additional consultation and updated
NOTE Confidence: 0.775053302142857

00:45:32.852 --> 00:45:34.820 the SLEEP study after several years.
NOTE Confidence: 0.775053302142857

00:45:34.820 --> 00:45:36.830 But depending on all those,
NOTE Confidence: 0.775053302142857

00:45:36.830 --> 00:45:40.958 all those factors that we see over overtime.
NOTE Confidence: 0.775053302142857

00:45:40.960 --> 00:45:44.190 So I will say that so pretty much what we
NOTE Confidence: 0.775053302142857

00:45:44.271 --> 00:45:47.655 went through for the last 40 minutes or so,
NOTE Confidence: 0.775053302142857

00:45:47.660 --> 00:45:50.360 it was the 10 steps.
NOTE Confidence: 0.775053302142857

00:45:50.360 --> 00:45:52.888 So I developed this.
NOTE Confidence: 0.775053302142857

00:45:52.890 --> 00:45:55.622 10 sections short presentations.
NOTE Confidence: 0.775053302142857

00:45:55.622 --> 00:45:59.037 It's pretty much straight forward.
NOTE Confidence: 0.775053302142857

00:45:59.040 --> 00:46:01.938 Do you have a good understanding
NOTE Confidence: 0.775053302142857

00:46:01.938 --> 00:46:06.770 of what dentist you know can?
NOTE Confidence: 0.775053302142857

00:46:06.770 --> 00:46:08.632 The way they entries though, developed this.
NOTE Confidence: 0.775053302142857

00:46:08.632 --> 00:46:11.218 This treatment offered this treatment to

NOTE Confidence: 0.775053302142857
00:46:11.218 --> 00:46:14.934 to the patient starting from screening.
NOTE Confidence: 0.775053302142857
00:46:14.934 --> 00:46:19.632 I'm finishing with the long term management,
NOTE Confidence: 0.775053302142857
00:46:19.632 --> 00:46:22.622 so all these steps are.
NOTE Confidence: 0.775053302142857
00:46:22.630 --> 00:46:23.750 And this is, you know,
NOTE Confidence: 0.775053302142857
00:46:23.750 --> 00:46:26.165 one of my last my last life.
NOTE Confidence: 0.775053302142857
00:46:26.170 --> 00:46:29.130 So all these steps has to be done
NOTE Confidence: 0.775053302142857
00:46:29.130 --> 00:46:32.709 in a in a collaborative approach.
NOTE Confidence: 0.775053302142857
00:46:32.710 --> 00:46:34.912 Every time that you know I
NOTE Confidence: 0.775053302142857
00:46:34.912 --> 00:46:37.170 teach my students my we teach.
NOTE Confidence: 0.775053302142857
00:46:37.170 --> 00:46:39.480 Practicing dentist wants to, you know,
NOTE Confidence: 0.775053302142857
00:46:39.480 --> 00:46:42.735 know more about these difficult dental sleep.
NOTE Confidence: 0.775053302142857
00:46:42.740 --> 00:46:44.714 So we emphasize.
NOTE Confidence: 0.775053302142857
00:46:44.714 --> 00:46:47.346 That the collaborative approach,
NOTE Confidence: 0.775053302142857
00:46:47.350 --> 00:46:48.260 the communication,
NOTE Confidence: 0.775053302142857
00:46:48.260 --> 00:46:49.170 the collaboration,
NOTE Confidence: 0.775053302142857

00:46:49.170 --> 00:46:50.990 the you know talking,
NOTE Confidence: 0.775053302142857

00:46:50.990 --> 00:46:52.718 discussing individual cases
NOTE Confidence: 0.775053302142857

00:46:52.718 --> 00:46:56.750 with this lift station is one of
NOTE Confidence: 0.775053302142857

00:46:56.855 --> 00:46:59.740 the most most important steps.
NOTE Confidence: 0.775053302142857

00:46:59.740 --> 00:47:02.755 Understanding where are the limitations
NOTE Confidence: 0.775053302142857

00:47:02.755 --> 00:47:05.770 where our limitations and where
NOTE Confidence: 0.775053302142857

00:47:05.860 --> 00:47:08.746 is the need for this collaboration
NOTE Confidence: 0.775053302142857

00:47:08.750 --> 00:47:10.494 from the medical standpoint,
NOTE Confidence: 0.775053302142857

00:47:10.494 --> 00:47:13.408 we understand that sometimes it's not easy
NOTE Confidence: 0.775053302142857

00:47:13.408 --> 00:47:15.936 to to know where to send the patient,
NOTE Confidence: 0.775053302142857

00:47:15.940 --> 00:47:19.660 but at least from this presentation,
NOTE Confidence: 0.775053302142857

00:47:19.660 --> 00:47:20.860 one of my goals is,
NOTE Confidence: 0.775053302142857

00:47:20.860 --> 00:47:21.574 you know,
NOTE Confidence: 0.775053302142857

00:47:21.574 --> 00:47:23.716 for for physicians to to understand
NOTE Confidence: 0.775053302142857

00:47:23.716 --> 00:47:25.538 the steps that are needed,
NOTE Confidence: 0.775053302142857

00:47:25.540 --> 00:47:28.324 they need for training for the

NOTE Confidence: 0.775053302142857
00:47:28.324 --> 00:47:30.180 dentist to be trained.
NOTE Confidence: 0.775053302142857
00:47:30.180 --> 00:47:32.976 In the field of Sleep Medicine,
NOTE Confidence: 0.775053302142857
00:47:32.980 --> 00:47:34.864 understanding the condition
NOTE Confidence: 0.775053302142857
00:47:34.864 --> 00:47:36.888 understanding the different oral
NOTE Confidence: 0.775053302142857
00:47:36.888 --> 00:47:38.808 appliance design and most important,
NOTE Confidence: 0.775053302142857
00:47:38.810 --> 00:47:42.584 understanding the patient, patient selection.
NOTE Confidence: 0.775053302142857
00:47:42.584 --> 00:47:45.683 Patient selection is one of the key
NOTE Confidence: 0.775053302142857
00:47:45.683 --> 00:47:48.119 factors for a good treatment outcome,
NOTE Confidence: 0.775053302142857
00:47:48.120 --> 00:47:50.880 and I always think that you
NOTE Confidence: 0.775053302142857
00:47:50.880 --> 00:47:52.720 know between the collaboration,
NOTE Confidence: 0.775053302142857
00:47:52.720 --> 00:47:54.800 collaboration and strong collaboration
NOTE Confidence: 0.775053302142857
00:47:54.800 --> 00:47:56.360 between academic institutions.
NOTE Confidence: 0.775053302142857
00:47:56.360 --> 00:47:59.867 As we can see in this fascinated.
NOTE Confidence: 0.775053302142857
00:47:59.870 --> 00:48:01.388 Keep conferences different
NOTE Confidence: 0.775053302142857
00:48:01.388 --> 00:48:03.412 institutions working together develop
NOTE Confidence: 0.775053302142857

00:48:03.412 --> 00:48:06.246 this series of lectures with very
NOTE Confidence: 0.775053302142857

00:48:06.246 --> 00:48:07.910 important so this collaboration
NOTE Confidence: 0.775053302142857

00:48:07.910 --> 00:48:10.613 is needed when Academy institution
NOTE Confidence: 0.775053302142857

00:48:10.613 --> 00:48:12.689 between professional associations.
NOTE Confidence: 0.775053302142857

00:48:12.690 --> 00:48:14.598 By doing that by doing this
NOTE Confidence: 0.775053302142857

00:48:14.598 --> 00:48:16.470 property approach so it really is
NOTE Confidence: 0.775053302142857

00:48:16.470 --> 00:48:18.614 going to take the feel of a Sleep
NOTE Confidence: 0.686232070666667

00:48:18.679 --> 00:48:20.269 Medicine or taking the feel
NOTE Confidence: 0.686232070666667

00:48:20.269 --> 00:48:22.376 of a Sleep Medicine and the
NOTE Confidence: 0.686232070666667

00:48:22.376 --> 00:48:24.956 feel of dental Sleep Medicine.
NOTE Confidence: 0.686232070666667

00:48:24.960 --> 00:48:28.511 Forward so we need to continue supporting,
NOTE Confidence: 0.686232070666667

00:48:28.511 --> 00:48:29.793 communicating, collaborating,
NOTE Confidence: 0.686232070666667

00:48:29.793 --> 00:48:34.365 and continue to grow this field globally.
NOTE Confidence: 0.686232070666667

00:48:34.365 --> 00:48:37.990 So contact information and a
NOTE Confidence: 0.686232070666667

00:48:37.990 --> 00:48:41.460 reminder about the information that
NOTE Confidence: 0.686232070666667

00:48:41.460 --> 00:48:44.580 you need to plan your CECE credit,

NOTE Confidence: 0.686232070666667

00:48:44.580 --> 00:48:46.680 so I appreciate your attention.

NOTE Confidence: 0.686232070666667

00:48:46.680 --> 00:48:49.415 I I thank you so much for this this

NOTE Confidence: 0.686232070666667

00:48:49.415 --> 00:48:51.640 this important invitation it's it's

NOTE Confidence: 0.686232070666667

00:48:51.640 --> 00:48:53.910 really an honor to participate.

NOTE Confidence: 0.686232070666667

00:48:53.910 --> 00:48:57.165 In these in this series of lectures,

NOTE Confidence: 0.686232070666667

00:48:57.170 --> 00:48:59.839 and certainly I look forward to

NOTE Confidence: 0.686232070666667

00:48:59.839 --> 00:49:02.533 communicating with with all of you

NOTE Confidence: 0.686232070666667

00:49:02.533 --> 00:49:05.590 with some of you any questions,

NOTE Confidence: 0.686232070666667

00:49:05.590 --> 00:49:08.296 any additional information that

NOTE Confidence: 0.686232070666667

00:49:08.296 --> 00:49:10.970 you would like to know about our

NOTE Confidence: 0.686232070666667

00:49:11.036 --> 00:49:13.496 training here at UF Dental Tufts

NOTE Confidence: 0.686232070666667

00:49:13.496 --> 00:49:14.726 University Dental School,

NOTE Confidence: 0.686232070666667

00:49:14.730 --> 00:49:16.776 so feel free to contact me.

NOTE Confidence: 0.686232070666667

00:49:16.780 --> 00:49:21.410 So email the office address or by telephone.

NOTE Confidence: 0.686232070666667

00:49:21.410 --> 00:49:24.380 So I'm here and available for all of you.

NOTE Confidence: 0.686232070666667

00:49:24.380 --> 00:49:24.822 Thank you,
NOTE Confidence: 0.686232070666667

00:49:24.822 --> 00:49:26.369 thank you so much Doctor Gruber for
NOTE Confidence: 0.686232070666667

00:49:26.369 --> 00:49:28.052 the Nice introduction and thank you
NOTE Confidence: 0.686232070666667

00:49:28.052 --> 00:49:29.467 for the interactive entire team.
NOTE Confidence: 0.802009245

00:49:30.460 --> 00:49:32.096 Thank you doctor Correa.
NOTE Confidence: 0.802009245

00:49:32.096 --> 00:49:34.550 It was such an insightful talk.
NOTE Confidence: 0.802009245

00:49:34.550 --> 00:49:36.578 So I'm going to just read
NOTE Confidence: 0.802009245

00:49:36.578 --> 00:49:37.946 some of the questions to you,
NOTE Confidence: 0.802009245

00:49:37.950 --> 00:49:39.945 but I just had my own question.
NOTE Confidence: 0.802009245

00:49:39.950 --> 00:49:42.660 I know we have sent.
NOTE Confidence: 0.802009245

00:49:42.660 --> 00:49:45.080 What are your thoughts on?
NOTE Confidence: 0.802009245

00:49:45.080 --> 00:49:47.860 Patients who are using hypoglossal
NOTE Confidence: 0.802009245

00:49:47.860 --> 00:49:50.084 nerve stimulators as a.
NOTE Confidence: 0.802009245

00:49:50.090 --> 00:49:52.770 Way of treatment of OSA.
NOTE Confidence: 0.802009245

00:49:52.770 --> 00:49:54.350 I know we have collaborated
NOTE Confidence: 0.802009245

00:49:54.350 --> 00:49:55.930 on some of those patients.

NOTE Confidence: 0.802009245
00:49:55.930 --> 00:49:56.874 What are, you know,
NOTE Confidence: 0.802009245
00:49:56.874 --> 00:49:58.290 in terms of using which sort
NOTE Confidence: 0.802009245
00:49:58.345 --> 00:49:59.761 of device would you use for
NOTE Confidence: 0.802009245
00:49:59.761 --> 00:50:02.300 that set of patients and.
NOTE Confidence: 0.802009245
00:50:02.300 --> 00:50:05.004 I know there aren't many studies out there,
NOTE Confidence: 0.802009245
00:50:05.010 --> 00:50:08.030 enough data to support combination,
NOTE Confidence: 0.802009245
00:50:08.030 --> 00:50:10.926 but I think we would something to consider.
NOTE Confidence: 0.802009245
00:50:10.930 --> 00:50:12.470 What are your thoughts on
NOTE Confidence: 0.802009245
00:50:12.470 --> 00:50:13.702 combination of hypoglossal nerve
NOTE Confidence: 0.802009245
00:50:13.702 --> 00:50:14.997 stimulator and the oral devices?
NOTE Confidence: 0.5289806576
00:50:15.190 --> 00:50:18.960 Yeah, thank you for this very important
NOTE Confidence: 0.5289806576
00:50:18.960 --> 00:50:22.705 question and my answer to this question.
NOTE Confidence: 0.5289806576
00:50:22.710 --> 00:50:26.150 I would say it is is an emerging
NOTE Confidence: 0.5289806576
00:50:26.150 --> 00:50:30.110 therapy so certainly will fall on the
NOTE Confidence: 0.5289806576
00:50:30.110 --> 00:50:32.668 combination combination therapy so.
NOTE Confidence: 0.5289806576

00:50:32.668 --> 00:50:35.220 You understand that patient
NOTE Confidence: 0.5289806576

00:50:35.220 --> 00:50:37.134 characteristic patient selection
NOTE Confidence: 0.5289806576

00:50:37.134 --> 00:50:39.628 for simulation and oral appliances.
NOTE Confidence: 0.5289806576

00:50:39.628 --> 00:50:42.400 They have some specific inclusion criteria,
NOTE Confidence: 0.5289806576

00:50:42.400 --> 00:50:43.750 but but we can see,
NOTE Confidence: 0.5289806576

00:50:43.750 --> 00:50:45.616 at least on the global patient,
NOTE Confidence: 0.5289806576

00:50:45.620 --> 00:50:48.469 that we are that we are currently
NOTE Confidence: 0.5289806576

00:50:48.469 --> 00:50:50.143 collaborating and developing some
NOTE Confidence: 0.5289806576

00:50:50.143 --> 00:50:52.520 of the the combination therapy so.
NOTE Confidence: 0.5289806576

00:50:52.520 --> 00:50:55.280 But we can see is that,
NOTE Confidence: 0.5289806576

00:50:55.280 --> 00:50:57.254 at least on some of these patients,
NOTE Confidence: 0.5289806576

00:50:57.260 --> 00:51:00.308 overtime after the they get the
NOTE Confidence: 0.5289806576

00:51:00.308 --> 00:51:02.340 the hypoglossal nerve implanted.
NOTE Confidence: 0.5289806576

00:51:02.340 --> 00:51:05.595 Let's say they gained significant
NOTE Confidence: 0.5289806576

00:51:05.595 --> 00:51:06.897 body weight.
NOTE Confidence: 0.5289806576

00:51:06.900 --> 00:51:08.220 So the body weight increase,

NOTE Confidence: 0.5289806576

00:51:08.220 --> 00:51:10.905 the BMI increase, probably the

NOTE Confidence: 0.5289806576

00:51:10.905 --> 00:51:13.334 response to the hypoglossal nerve.

NOTE Confidence: 0.5289806576

00:51:13.334 --> 00:51:15.776 It's not. It's not the same.

NOTE Confidence: 0.5289806576

00:51:15.780 --> 00:51:18.769 So the way we have been able

NOTE Confidence: 0.5289806576

00:51:18.769 --> 00:51:21.300 to help this patient is.

NOTE Confidence: 0.5289806576

00:51:21.300 --> 00:51:23.164 Incorporating the oral appliance

NOTE Confidence: 0.5289806576

00:51:23.164 --> 00:51:25.960 so with the oral appliance is

NOTE Confidence: 0.5289806576

00:51:26.035 --> 00:51:28.140 able to reduce the severity.

NOTE Confidence: 0.5289806576

00:51:28.140 --> 00:51:32.435 Let's say the hi from 15 to 3050 to 20,

NOTE Confidence: 0.5289806576

00:51:32.435 --> 00:51:36.500 so that will help in certain way

NOTE Confidence: 0.5289806576

00:51:36.500 --> 00:51:39.412 to to tolerate for this settings of

NOTE Confidence: 0.5289806576

00:51:39.412 --> 00:51:41.873 the hypoglossal nerve to be in a

NOTE Confidence: 0.5289806576

00:51:41.873 --> 00:51:43.673 different in a different stage for

NOTE Confidence: 0.5289806576

00:51:43.673 --> 00:51:46.656 the patient to to tolerate 1 device.

NOTE Confidence: 0.5289806576

00:51:46.656 --> 00:51:49.101 Understanding that if we want

NOTE Confidence: 0.5289806576

00:51:49.101 --> 00:51:51.320 to switch completely.
NOTE Confidence: 0.5289806576

00:51:51.320 --> 00:51:52.100 Oral appliance,
NOTE Confidence: 0.5289806576

00:51:52.100 --> 00:51:55.610 so probably will not be the the the the.
NOTE Confidence: 0.5289806576

00:51:55.610 --> 00:51:57.675 The patient is not a candidate to
NOTE Confidence: 0.5289806576

00:51:57.675 --> 00:51:59.529 start with with oral appliance,
NOTE Confidence: 0.5289806576

00:51:59.530 --> 00:52:02.755 but doing this combination therapy
NOTE Confidence: 0.5289806576

00:52:02.755 --> 00:52:07.348 certainly it opens to a new
NOTE Confidence: 0.5289806576

00:52:07.348 --> 00:52:09.120 treatment modality.
NOTE Confidence: 0.5289806576

00:52:09.120 --> 00:52:11.844 Because few years ago when we
NOTE Confidence: 0.5289806576

00:52:11.844 --> 00:52:13.660 talk about combination therapy,
NOTE Confidence: 0.5289806576

00:52:13.660 --> 00:52:16.348 the first thing that we can do our
NOTE Confidence: 0.5289806576

00:52:16.348 --> 00:52:18.939 money was sipat and oral appliance
NOTE Confidence: 0.5289806576

00:52:18.940 --> 00:52:21.768 and now we have a more expanded.
NOTE Confidence: 0.5289806576

00:52:21.770 --> 00:52:23.807 Remember that it is so oral appliance,
NOTE Confidence: 0.5289806576

00:52:23.810 --> 00:52:28.730 positional therapy or appliance and emerging.
NOTE Confidence: 0.5289806576

00:52:28.730 --> 00:52:31.380 They would have netted stimulation.

NOTE Confidence: 0.5289806576

00:52:31.380 --> 00:52:33.876 Now, having said that,

NOTE Confidence: 0.5289806576

00:52:33.876 --> 00:52:36.774 so for the physicians and for for

NOTE Confidence: 0.5289806576

00:52:36.774 --> 00:52:39.779 the rest of the group understand.

NOTE Confidence: 0.5289806576

00:52:39.780 --> 00:52:41.817 So when we look into the function,

NOTE Confidence: 0.5289806576

00:52:41.820 --> 00:52:44.376 the the the mechanism of the,

NOTE Confidence: 0.5289806576

00:52:44.380 --> 00:52:46.954 you know the term being through

NOTE Confidence: 0.5289806576

00:52:46.954 --> 00:52:49.320 during the hypoglossal nerve therapy.

NOTE Confidence: 0.5289806576

00:52:49.320 --> 00:52:52.002 So in this patients are going

NOTE Confidence: 0.5289806576

00:52:52.002 --> 00:52:54.820 to receive an oral appliance.

NOTE Confidence: 0.5289806576

00:52:54.820 --> 00:52:57.295 The oral appliance designed it

NOTE Confidence: 0.5289806576

00:52:57.295 --> 00:53:01.660 has to be modified to accommodate.

NOTE Confidence: 0.5289806576

00:53:01.660 --> 00:53:06.121 The effect of the Deaton protrusion.

NOTE Confidence: 0.5289806576

00:53:06.121 --> 00:53:08.647 So currently when we look into

NOTE Confidence: 0.5289806576

00:53:08.647 --> 00:53:11.298 the the picture that we presented

NOTE Confidence: 0.5289806576

00:53:11.298 --> 00:53:13.478 for the oral appliance design,

NOTE Confidence: 0.5289806576

00:53:13.480 --> 00:53:16.580 none of those appliances are
NOTE Confidence: 0.5289806576

00:53:16.580 --> 00:53:19.584 designed with the interior space
NOTE Confidence: 0.5289806576

00:53:19.584 --> 00:53:23.028 for the for this purpose.
NOTE Confidence: 0.5289806576

00:53:23.030 --> 00:53:25.767 In fact, one design it will not.
NOTE Confidence: 0.5289806576

00:53:25.770 --> 00:53:28.626 It will not allow that protrusion,
NOTE Confidence: 0.5289806576

00:53:28.630 --> 00:53:30.555 but he has the component
NOTE Confidence: 0.5289806576

00:53:30.555 --> 00:53:32.095 on the interior area.
NOTE Confidence: 0.5289806576

00:53:32.100 --> 00:53:34.348 So this is where you know the dentist
NOTE Confidence: 0.5289806576

00:53:34.348 --> 00:53:36.390 needs to understand the concept,
NOTE Confidence: 0.5289806576

00:53:36.390 --> 00:53:38.520 the collaboration and make these
NOTE Confidence: 0.5289806576

00:53:38.520 --> 00:53:40.650 modifications on the oral appliance.
NOTE Confidence: 0.5289806576

00:53:40.650 --> 00:53:42.114 Well, first of all,
NOTE Confidence: 0.5289806576

00:53:42.114 --> 00:53:44.310 selecting the oral appliance that will
NOTE Confidence: 0.5289806576

00:53:44.374 --> 00:53:46.745 allow this modification to allow to
NOTE Confidence: 0.5289806576

00:53:46.745 --> 00:53:49.470 you know for this specific purpose.
NOTE Confidence: 0.5289806576

00:53:49.470 --> 00:53:50.849 So yeah, I'm sorry it was a.

NOTE Confidence: 0.5289806576

00:53:50.850 --> 00:53:52.320 It was a long answer,

NOTE Confidence: 0.5289806576

00:53:52.320 --> 00:53:53.523 but my point.

NOTE Confidence: 0.5289806576

00:53:53.523 --> 00:53:56.390 Is that it is a fascinating treatment,

NOTE Confidence: 0.5289806576

00:53:56.390 --> 00:53:58.690 modalities and emergent combination therapy?

NOTE Confidence: 0.5289806576

00:53:58.690 --> 00:54:02.434 I would say so we have a few.

NOTE Confidence: 0.822558300833333

00:54:04.450 --> 00:54:07.054 Common cases, comma patients and in

NOTE Confidence: 0.822558300833333

00:54:07.054 --> 00:54:09.730 process of of developing this therapy

NOTE Confidence: 0.822558300833333

00:54:09.730 --> 00:54:12.418 and I would say that within the next few

NOTE Confidence: 0.822558300833333

00:54:12.418 --> 00:54:15.134 months and hopefully in the next sleep

NOTE Confidence: 0.822558300833333

00:54:15.134 --> 00:54:17.945 meeting so we will have the the the

NOTE Confidence: 0.822558300833333

00:54:17.945 --> 00:54:20.749 option to present some of these results.

NOTE Confidence: 0.822558300833333

00:54:20.750 --> 00:54:22.922 And you know for physicians and

NOTE Confidence: 0.822558300833333

00:54:22.922 --> 00:54:25.370 dentists to be more aware of this

NOTE Confidence: 0.822558300833333

00:54:25.370 --> 00:54:27.334 potential treatment treatment modality

NOTE Confidence: 0.822558300833333

00:54:27.334 --> 00:54:31.620 for those patients. Thank you.

NOTE Confidence: 0.887467810909091

00:54:31.620 --> 00:54:34.348 I'll just go through some of the questions
NOTE Confidence: 0.887467810909091

00:54:34.348 --> 00:54:37.234 we received today from Doctor Stewart men.
NOTE Confidence: 0.887467810909091

00:54:37.234 --> 00:54:39.970 How important is is the consideration
NOTE Confidence: 0.887467810909091

00:54:40.050 --> 00:54:42.142 of anterior posterior displacement
NOTE Confidence: 0.887467810909091

00:54:42.142 --> 00:54:45.280 in addition to degree of protrusion.
NOTE Confidence: 0.887467810909091

00:54:45.280 --> 00:54:46.444 For which patients,
NOTE Confidence: 0.887467810909091

00:54:46.444 --> 00:54:48.384 what percentage of maximal protrusion
NOTE Confidence: 0.887467810909091

00:54:48.384 --> 00:54:50.775 is most commonly required to get
NOTE Confidence: 0.887467810909091

00:54:50.775 --> 00:54:52.327 a good therapeutic results?
NOTE Confidence: 0.887467810909091

00:54:52.330 --> 00:54:54.066 How do you earn BMI in deciding
NOTE Confidence: 0.887467810909091

00:54:54.066 --> 00:54:55.949 whether to try and all the clients?
NOTE Confidence: 0.734956834166666

00:54:56.430 --> 00:54:57.357 Yeah, yes, certainly.
NOTE Confidence: 0.734956834166666

00:54:57.357 --> 00:54:58.902 So thank you for the
NOTE Confidence: 0.734956834166666

00:54:58.902 --> 00:55:00.429 question and very important,
NOTE Confidence: 0.734956834166666

00:55:00.430 --> 00:55:01.795 very important comment.
NOTE Confidence: 0.734956834166666

00:55:01.795 --> 00:55:05.664 So when we look into the the evidence.

NOTE Confidence: 0.734956834166666

00:55:05.664 --> 00:55:09.066 So the evidence currently shows that,

NOTE Confidence: 0.734956834166666

00:55:09.070 --> 00:55:10.770 for example, patient with severe

NOTE Confidence: 0.734956834166666

00:55:10.770 --> 00:55:12.910 or shop there is sleep apnea.

NOTE Confidence: 0.734956834166666

00:55:12.910 --> 00:55:15.890 So what is it therapeutic?

NOTE Confidence: 0.734956834166666

00:55:15.890 --> 00:55:17.895 Monday would have position that

NOTE Confidence: 0.734956834166666

00:55:17.895 --> 00:55:20.572 will help the majority of this

NOTE Confidence: 0.734956834166666

00:55:20.572 --> 00:55:21.976 particular group patients.

NOTE Confidence: 0.734956834166666

00:55:21.980 --> 00:55:23.960 According to the you know

NOTE Confidence: 0.734956834166666

00:55:23.960 --> 00:55:25.148 some systematic reviews,

NOTE Confidence: 0.734956834166666

00:55:25.150 --> 00:55:28.818 so there is is a minimum of 75%

NOTE Confidence: 0.734956834166666

00:55:28.818 --> 00:55:31.108 of maximum protrusion in patients

NOTE Confidence: 0.734956834166666

00:55:31.108 --> 00:55:33.360 with severe obstructive sleep apnea

NOTE Confidence: 0.734956834166666

00:55:33.360 --> 00:55:34.638 and the other group you know.

NOTE Confidence: 0.734956834166666

00:55:34.640 --> 00:55:36.196 According to some studies,

NOTE Confidence: 0.734956834166666

00:55:36.196 --> 00:55:40.222 so it ranged from 25 to 50%, you know.

NOTE Confidence: 0.734956834166666

00:55:40.222 --> 00:55:43.477 Unfortunately these numbers is percentage.

NOTE Confidence: 0.734956834166666

00:55:43.480 --> 00:55:44.608 It will not apply.

NOTE Confidence: 0.734956834166666

00:55:44.608 --> 00:55:45.736 It will not be.

NOTE Confidence: 0.826536261111111

00:55:48.490 --> 00:55:51.262 It will not apply to all all these patients,

NOTE Confidence: 0.826536261111111

00:55:51.270 --> 00:55:54.658 so BMI is a factor. Of course,

NOTE Confidence: 0.826536261111111

00:55:54.658 --> 00:55:57.970 high BMI you will have a lower response

NOTE Confidence: 0.826536261111111

00:55:58.062 --> 00:56:00.914 to oral appliance therapy, age,

NOTE Confidence: 0.826536261111111

00:56:00.914 --> 00:56:03.690 gender accordingly, female gender.

NOTE Confidence: 0.826536261111111

00:56:03.690 --> 00:56:06.194 It tends to have a response to oral

NOTE Confidence: 0.826536261111111

00:56:06.194 --> 00:56:08.370 appliance, so these are some of the

NOTE Confidence: 0.826536261111111

00:56:08.370 --> 00:56:13.202 predictors that have been like had some

NOTE Confidence: 0.826536261111111

00:56:13.202 --> 00:56:15.818 preliminary information about this.

NOTE Confidence: 0.826536261111111

00:56:15.820 --> 00:56:18.236 Dichters of treatment response

NOTE Confidence: 0.826536261111111

00:56:18.236 --> 00:56:21.256 predictor of oral appliance success.

NOTE Confidence: 0.826536261111111

00:56:21.260 --> 00:56:25.481 So we imagine their severity of OSA

NOTE Confidence: 0.826536261111111

00:56:25.481 --> 00:56:29.842 measuring by by the Asia and uncertainly.

NOTE Confidence: 0.8265362611111111
00:56:29.842 --> 00:56:33.547 You recall this slide showing
NOTE Confidence: 0.8265362611111111
00:56:33.547 --> 00:56:35.770 the therapeutic position.
NOTE Confidence: 0.8265362611111111
00:56:35.770 --> 00:56:40.210 So he goes from 25 to 75 assassination
NOTE Confidence: 0.8265362611111111
00:56:40.210 --> 00:56:43.684 position and then the therapy or
NOTE Confidence: 0.8265362611111111
00:56:43.684 --> 00:56:46.427 the final position certainly can
NOTE Confidence: 0.8265362611111111
00:56:46.427 --> 00:56:49.348 go from 50 to 75% and it's going
NOTE Confidence: 0.8265362611111111
00:56:49.348 --> 00:56:51.790 to be unfortunate at this point.
NOTE Confidence: 0.8265362611111111
00:56:51.790 --> 00:56:54.114 So it's it's going to be different
NOTE Confidence: 0.8265362611111111
00:56:54.120 --> 00:56:57.010 stadiums for for each patient.
NOTE Confidence: 0.8265362611111111
00:56:57.010 --> 00:56:59.950 So patient characteristics,
NOTE Confidence: 0.8265362611111111
00:56:59.950 --> 00:57:01.910 tour examination,
NOTE Confidence: 0.8265362611111111
00:57:01.910 --> 00:57:05.322 understanding of the anatomical.
NOTE Confidence: 0.8265362611111111
00:57:05.322 --> 00:57:08.734 Anatomical features the craniofacial
NOTE Confidence: 0.8265362611111111
00:57:08.734 --> 00:57:12.536 or offering real areas so putting
NOTE Confidence: 0.8265362611111111
00:57:12.536 --> 00:57:14.624 together all that information.
NOTE Confidence: 0.8265362611111111

00:57:14.630 --> 00:57:17.269 They will give us a better idea
NOTE Confidence: 0.8265362611111111

00:57:17.269 --> 00:57:19.542 of the potential predictors or
NOTE Confidence: 0.8265362611111111

00:57:19.542 --> 00:57:21.255 treatment treatment response
NOTE Confidence: 0.8265362611111111

00:57:21.255 --> 00:57:23.539 for each individual appliance.
NOTE Confidence: 0.8265362611111111

00:57:23.540 --> 00:57:25.984 The Polish individual patient,
NOTE Confidence: 0.8265362611111111

00:57:25.984 --> 00:57:28.428 the oral appliance design.
NOTE Confidence: 0.8265362611111111

00:57:28.430 --> 00:57:30.233 Is important, however,
NOTE Confidence: 0.8265362611111111

00:57:30.233 --> 00:57:32.036 the oral appliance,
NOTE Confidence: 0.8265362611111111

00:57:32.040 --> 00:57:35.827 the particular oral appliance it will not.
NOTE Confidence: 0.8265362611111111

00:57:35.830 --> 00:57:38.890 Provide the the efficacy is the
NOTE Confidence: 0.8265362611111111

00:57:38.890 --> 00:57:40.930 understanding that we implement
NOTE Confidence: 0.8265362611111111

00:57:41.016 --> 00:57:43.414 that we apply from the other
NOTE Confidence: 0.8265362611111111

00:57:43.414 --> 00:57:45.654 factors that patient selection and
NOTE Confidence: 0.8265362611111111

00:57:45.654 --> 00:57:48.598 all the clinic facial structures.
NOTE Confidence: 0.8265362611111111

00:57:48.600 --> 00:57:50.760 Thank you.
NOTE Confidence: 0.79959922

00:57:50.760 --> 00:57:52.425 Another question, what are your

NOTE Confidence: 0.79959922

00:57:52.425 --> 00:57:54.636 thoughts on actively titrating an oral

NOTE Confidence: 0.79959922

00:57:54.636 --> 00:57:56.097 appliance during polysomnography?

NOTE Confidence: 0.79959922

00:57:56.100 --> 00:57:58.774 I know our sleep center does not

NOTE Confidence: 0.79959922

00:57:58.774 --> 00:58:01.514 do that but I know you do ask

NOTE Confidence: 0.79959922

00:58:01.514 --> 00:58:03.410 patients to do titration at home

NOTE Confidence: 0.788379153636364

00:58:04.220 --> 00:58:07.844 right? So if I understand correctly so the

NOTE Confidence: 0.788379153636364

00:58:07.844 --> 00:58:11.188 question is about titration and the sleep

NOTE Confidence: 0.788379153636364

00:58:11.188 --> 00:58:15.120 center door during the police on the ground.

NOTE Confidence: 0.788379153636364

00:58:15.120 --> 00:58:18.004 Versus titration of the oral appliance at

NOTE Confidence: 0.788379153636364

00:58:18.004 --> 00:58:20.880 patients home by by the patient itself.

NOTE Confidence: 0.788379153636364

00:58:20.880 --> 00:58:24.032 So for many years you know they were

NOTE Confidence: 0.788379153636364

00:58:24.032 --> 00:58:27.140 the there was a development of this.

NOTE Confidence: 0.788379153636364

00:58:27.140 --> 00:58:31.477 Devices they call it diagnostic spinning,

NOTE Confidence: 0.788379153636364

00:58:31.477 --> 00:58:35.796 much like trying to identify the patient.

NOTE Confidence: 0.788379153636364

00:58:35.800 --> 00:58:37.240 Trying to select patient though,

NOTE Confidence: 0.788379153636364

00:58:37.240 --> 00:58:39.796 for for for a oral appliance.
NOTE Confidence: 0.788379153636364

00:58:39.800 --> 00:58:43.356 By advancing the mandible with a remote
NOTE Confidence: 0.788379153636364

00:58:43.356 --> 00:58:45.302 control device utilizing polysomnogram.
NOTE Confidence: 0.788379153636364

00:58:45.302 --> 00:58:48.529 So that was one option and several
NOTE Confidence: 0.788379153636364

00:58:48.529 --> 00:58:51.360 studies were done by trying to
NOTE Confidence: 0.788379153636364

00:58:51.360 --> 00:58:53.600 validate that the technique.
NOTE Confidence: 0.788379153636364

00:58:53.600 --> 00:58:57.170 Now the other technique it was
NOTE Confidence: 0.788379153636364

00:58:57.170 --> 00:59:00.789 also titration and the sleep lab.
NOTE Confidence: 0.788379153636364

00:59:00.790 --> 00:59:01.861 But the titration,
NOTE Confidence: 0.788379153636364

00:59:01.861 --> 00:59:04.003 the adjustment of the oral appliance.
NOTE Confidence: 0.788379153636364

00:59:04.010 --> 00:59:07.104 It was done by the Sleep technician
NOTE Confidence: 0.788379153636364

00:59:07.110 --> 00:59:10.390 and mainly these these reports.
NOTE Confidence: 0.788379153636364

00:59:10.390 --> 00:59:12.070 It was mainly for the purpose
NOTE Confidence: 0.788379153636364

00:59:12.070 --> 00:59:13.190 of that particular study.
NOTE Confidence: 0.788379153636364

00:59:13.190 --> 00:59:16.942 So when they stand that for the you know,
NOTE Confidence: 0.788379153636364

00:59:16.942 --> 00:59:17.968 legal standpoint,

NOTE Confidence: 0.788379153636364
00:59:17.970 --> 00:59:18.774 training standpoint,
NOTE Confidence: 0.788379153636364
00:59:18.774 --> 00:59:21.186 not all these sleep centers will
NOTE Confidence: 0.788379153636364
00:59:21.186 --> 00:59:23.309 be able to to provide this.
NOTE Confidence: 0.788379153636364
00:59:23.310 --> 00:59:25.536 This service for this sleep technician
NOTE Confidence: 0.788379153636364
00:59:25.536 --> 00:59:27.578 to to do the adjustment for the
NOTE Confidence: 0.788379153636364
00:59:27.578 --> 00:59:29.722 Den for the patient itself to the
NOTE Confidence: 0.788379153636364
00:59:29.722 --> 00:59:31.654 adjustment or denial of the sleeper.
NOTE Confidence: 0.788379153636364
00:59:31.660 --> 00:59:34.484 Or they deliver study so it really comes
NOTE Confidence: 0.788379153636364
00:59:34.484 --> 00:59:37.389 into play different different variables.
NOTE Confidence: 0.788379153636364
00:59:37.390 --> 00:59:38.590 Like waking up,
NOTE Confidence: 0.788379153636364
00:59:38.590 --> 00:59:40.990 waking the patient up too many
NOTE Confidence: 0.788379153636364
00:59:40.990 --> 00:59:43.338 times 20 night and not being able
NOTE Confidence: 0.788379153636364
00:59:43.338 --> 00:59:45.210 to do the proper recording of
NOTE Confidence: 0.788379153636364
00:59:45.278 --> 00:59:47.228 the of the police underground.
NOTE Confidence: 0.788379153636364
00:59:47.230 --> 00:59:48.082 So different things.
NOTE Confidence: 0.788379153636364

00:59:48.082 --> 00:59:50.424 So I would say you know you sorry
NOTE Confidence: 0.788379153636364

00:59:50.424 --> 00:59:52.194 not I will skip long answers,
NOTE Confidence: 0.788379153636364

00:59:52.200 --> 00:59:54.755 but the short answer is they have
NOTE Confidence: 0.788379153636364

00:59:54.755 --> 00:59:57.112 been some validation, some protocols,
NOTE Confidence: 0.788379153636364

00:59:57.112 --> 01:00:01.012 some reports about in lab, in in,
NOTE Confidence: 0.788379153636364

01:00:01.012 --> 01:00:02.867 in laboratory and sleep laboratory,
NOTE Confidence: 0.788379153636364

01:00:02.870 --> 01:00:03.284 titration,
NOTE Confidence: 0.788379153636364

01:00:03.284 --> 01:00:05.354 oral appliances and of course
NOTE Confidence: 0.788379153636364

01:00:05.354 --> 01:00:07.700 I mean as you control.
NOTE Confidence: 0.788379153636364

01:00:07.700 --> 01:00:11.100 Is you control the the the the technique,
NOTE Confidence: 0.788379153636364

01:00:11.100 --> 01:00:13.165 you know it's a policy under running
NOTE Confidence: 0.788379153636364

01:00:13.165 --> 01:00:15.361 board patient is there that litigation is
NOTE Confidence: 0.788379153636364

01:00:15.361 --> 01:00:17.740 there so the mandible is moving forward?
NOTE Confidence: 0.788379153636364

01:00:17.740 --> 01:00:19.973 But of course I mean the the
NOTE Confidence: 0.788379153636364

01:00:19.973 --> 01:00:21.884 outcome probably is is very good
NOTE Confidence: 0.788379153636364

01:00:21.884 --> 01:00:23.654 for the purpose of the app.

NOTE Confidence: 0.788379153636364

01:00:23.660 --> 01:00:27.454 This study, study, design and study results.

NOTE Confidence: 0.788379153636364

01:00:27.460 --> 01:00:31.732 But again in in real real scenario real life

NOTE Confidence: 0.788379153636364

01:00:31.732 --> 01:00:34.377 so it may may be a little bit more complex.

NOTE Confidence: 0.788379153636364

01:00:34.380 --> 01:00:35.020 But yeah,

NOTE Confidence: 0.788379153636364

01:00:35.020 --> 01:00:35.980 there are studies.

NOTE Confidence: 0.788379153636364

01:00:35.980 --> 01:00:37.460 There are protocols that

NOTE Confidence: 0.788379153636364

01:00:37.460 --> 01:00:38.570 have been implemented.

NOTE Confidence: 0.788379153636364

01:00:38.570 --> 01:00:41.490 Many has been done for for the

NOTE Confidence: 0.788379153636364

01:00:41.490 --> 01:00:44.180 purpose of those particular research.

NOTE Confidence: 0.33812794

01:00:46.380 --> 01:00:46.980 Is steps.

NOTE Confidence: 0.742161968333333

01:00:49.530 --> 01:00:52.002 Thank you, Doctor Dioguardi

NOTE Confidence: 0.742161968333333

01:00:52.002 --> 01:00:54.803 has some comments as well.

NOTE Confidence: 0.742161968333333

01:00:54.803 --> 01:00:56.366 Yes, agreed calculation

NOTE Confidence: 0.742161968333333

01:00:56.366 --> 01:00:59.219 would be ideal with the PSG.

NOTE Confidence: 0.742161968333333

01:00:59.220 --> 01:01:02.156 But it might be difficult to do without

NOTE Confidence: 0.742161968333333

01:01:02.156 --> 01:01:04.118 disturbing the patient at night.
NOTE Confidence: 0.7421619683333333

01:01:04.120 --> 01:01:06.370 I don't see any more questions in the chat,
NOTE Confidence: 0.7421619683333333

01:01:06.370 --> 01:01:08.590 and doctor Andrea Andre has left
NOTE Confidence: 0.7421619683333333

01:01:08.590 --> 01:01:10.927 and he then our next session
NOTE Confidence: 0.7421619683333333

01:01:10.927 --> 01:01:14.092 will be on the February 2nd.
NOTE Confidence: 0.7421619683333333

01:01:14.092 --> 01:01:17.082 Those who would be joining.
NOTE Confidence: 0.7421619683333333

01:01:17.090 --> 01:01:18.690 Thank you again Doctor career
NOTE Confidence: 0.7421619683333333

01:01:18.690 --> 01:01:20.508 for coming in today and look
NOTE Confidence: 0.7421619683333333

01:01:20.508 --> 01:01:21.598 forward to working with you
NOTE Confidence: 0.525542936

01:01:21.870 --> 01:01:24.137 in place for thank you. Thank you all
NOTE Confidence: 0.525542936

01:01:24.137 --> 01:01:25.991 and have a wonderful wonderful year
NOTE Confidence: 0.525542936

01:01:25.991 --> 01:01:27.719 beginning of the year the next time.
NOTE Confidence: 0.53696647

01:01:28.740 --> 01:01:29.080 Thank you.