

EXHIBIT HALL OPEN**12:30pm – 6:00pm****Room: 103AB****INTRODUCTION, RESEARCH AWARDS AND WELCOME****1:30pm – 2:00pm****Room: Ballroom A**Jeffrey P. Pancer, DDS, *AADSM President*Todd Morgan, DMD, *Chair, AADSM Program Committee*Fernanda Almeida, DDS, PhD, *AADSM Research Committee***CLINICAL RESEARCH AWARDS**Teaching of Dental Sleep Medicine in U.S. Dental Schools
- **Michael Simmons, DMD**Follow-up Study of Two Mandibular Advancement
Appliances: Preliminary Results
- **Luc Gauthier, DMD, MSc**Videoscopic Diagnosis for Predicting Response to
Oral Appliance Therapy in Obstructive Sleep Apnea
- **Yasuhiro Sasao, DDS, PhD****GRADUATE STUDENT RESEARCH AWARDS**Prevalence of Sleep Disorders in Pediatric Orthodontic
Patients - **Kristen Fritz**A Correlation between Two Pediatric Sleep Disordered
Breathing Questionnaires and Craniofacial Morphology in
Children - **Hiroko Tsuda, DDS, PhD**Influence of Oral Dimensions on Mandibular
Advancement Splint Treatment Outcome in Obstructive
Sleep Apnea - **Whitney Mostafiz****I HOW MIGHT GENOMICS/GENETICS CHANGE THE FUTURE PRACTICE OF SLEEP MEDICINE?****2:00pm – 3:30pm****Room: Ballroom A****Speaker:** Allan Pack, PhD, MBChB*AADSM Honorary Member and Keynote Speaker***Overview:** New approaches based on genetic/genomic strategies may change the future practice of sleep medicine.**Target Audience:** Practitioners in dental sleep medicine**Objectives:**

1. Describe the concepts of personalized sleep medicine.
2. Review risk factors for obstructive sleep apnea.
3. Describe the natural history of obstructive sleep apnea.
4. Review the current state of knowledge about genetics of sleep apnea.

REFRESHMENT BREAK IN EXHIBIT HALL**3:30pm – 4:00pm****I PEDIATRIC SDB AND DENTISTRY- DO WE HAVE A ROLE?****4:00pm – 5:00pm****Room: Ballroom A****Speaker:** Alan Lowe, DMD, PhD**Overview:** Oral appliances should be considered as a therapeutic alternative for specific craniofacial types in SDB children.**Target Audience:** Dentists, physicians and allied health care personnel**Objectives:**

1. Understand the basic mechanisms of mandibular growth and how to quantify same.
2. Appreciate the interrelationship between obstructive sleep apnea, airway size and mandibular posture in growing children.
3. Differentiate which children with obstructive sleep apnea may be most beneficially treated with an oral appliance.

REFRESHMENT BREAK IN EXHIBIT HALL**5:00pm – 6:00pm****INDUSTRY-SUPPORTED EVENT****Successful Medical Billing & Marketing for Dental Sleep Medicine with Dental Writer™ and CrossCode™ Software****Friday, June 4, 2010****6:00pm – 9:00pm****Room: Ballroom A****Presenters:** Rose Nierman, RD**Overview:** Advanced Medical Billing / Marketing for Dental Sleep Medicine. See live, web-based and in-office sleep questionnaire & exams for easy diagnostic/narrative reports for medical insurance reimbursement and physician referrals. Customizable DentalWriter™ Online and Desktop Software will be demonstrated. Benefit from NEW Medical Billing & Medicare updates and MD referrals / marketing.*Note: Continuing Education Credit may also be available by attending industry supported events. These credits are made available by the event organizer and are not processed by the AADSM. Please contact Nierman Practice Management for more information.*

FIRST-TIME ATTENDEE BREAKFAST**7:00am – 8:00am****Room: 006AB**

The AADSM Membership Committee will host a breakfast for all First-time Attendees at the 19th AADSM Annual Meeting. The breakfast will provide an opportunity for all first-time attendees to network with each other as well as gain some insight into the dental sleep medicine profession. All first-time attendees will receive a ticket with their registration materials, which will be required to gain entrance to the breakfast.

EXHIBIT HALL OPEN**7:30am – 5:30pm****Room: 103AB****I ANTHROPOLOGICAL ASPECTS OF THE HUMAN PHARYNX: A GIFT OR A CURSE?****8:00am – 9:00am****Room: Ballroom A****Speaker:** John Remmers, MD

Overview: Obstructive sleep apnea is a disease unique to humans, but why? This lecture will explore the origins of pharyngeal collapse in humans and how we differ from other species. In the course of time, what benefits come from upright posture, a “floating” hyoid and the acquisition of language? A predisposition to OSA based on the unique characteristics of the human pharynx from an anthropological approach will be explored.

Target Audience: Dentists and auxiliaries**Objectives:**

1. Explain the differences between the human pharynx and other species.
2. Understand the functions related to the human pharynx, awake and asleep.
3. Understand the acquisition of language and the consequences for OSA.

I OSA: THE ROLE OF ANS AND ENDOTHELIUM IN THE PROGRESSION OF ATHLEROSCLEROSIS**9:00am – 10:00am****Room: Ballroom A****Speaker:** Glenn Clark, DDS

Overview: Obstructive sleep apnea is endemic to our civilized culture and mediates a wide spectrum of malady through inflammatory mechanisms. Progressive damage to endothelium leads to metabolic dysregulation, atherosclerosis and risk of death. Understanding the natural history and pathophysiology of the disease OSA is paramount to the purpose of clinical practice in dental sleep medicine.

Target Audience: Dentists and physicians**Objectives:**

1. The role of the endothelium in the progression of OSA will be explored
2. The natural history of the disease OSA will be explained
3. A theory of protection against oxidative stress and OSA will be proposed.

**P MORNING REFRESHMENT BREAK AND POSTER VIEWING
10:00am – 10:30am**

All posters are available for viewing in Ballroom A throughout the AADSM annual meeting. Presenters of the posters listed below are available for questions and comments from 10:00am – 10:30am on Saturday, June 5, 2010.

POSTER #001**VIDEOENDOSCOPIC DIAGNOSIS FOR PREDICTING RESPONSE TO ORAL APPLIANCE THERAPY IN OBSTRUCTIVE SLEEP APNEA**

Sasao Y, Okuno K, Nohara K, Sakai T

POSTER #002**CROSSOVER STUDY COMPARING TWO ORAL APPLIANCE DESIGNS FOR TREATMENT OF OBSTRUCTIVE SLEEP APNEA**

Bishop B, Verrett R, Girvan T, Ingmundson P

POSTER #003**TEETH CLENCHING AND SLEEP BRUXISM IN 7-17 YEARS OLD POPULATION: RISK FACTORS FOR TEMPOROMANDIBULAR, SLEEP AND BREATHING DISORDERS**

Carra MC, Huynh N, Morton P, Rompré PH, Papadakis A, Remise C, Lavigne GJ

POSTER #004**A CORRELATION BETWEEN TWO PEDIATRIC SLEEP DISORDERED BREATHING QUESTIONNAIRES AND CRANIOFACIAL MORPHOLOGY IN CHILDREN**

Tsuda H, Almeida F, Fastlicht S, Chen H, Lowe A

POSTER #005**SOFT PALATE MODELING FROM MAGNETIC RESONANCE IMAGING**

Chen H, Fels S, Almeida F, Lowe A

POSTER #006**ONE-STAGE SURGICAL TREATMENT OF OBSTRUCTIVE SLEEP APNEA**

Berger J

POSTER #007

Poster #007 will not be presented.

POSTER #008**PREVALENCE OF SLEEP DISORDERS IN PEDIATRIC ORTHODONTIC PATIENTS**

Fritz K, Sheats R

POSTER #009

TREATMENT OF SLEEP RESPIRATORY BREATHING WITH RAPID MAXILLARY EXPANDER IN CHILDREN WITH TONSIL HYPERTROPHY – A NON INVASIVE OPTION TO ADENOTONSILLECTOMY

Giannasi LC, de Oliveira LVF

POSTER #010

RELEASE TIME OF TMD, CERVICAL AND OTOLOGICAL SIGN AND SYMPTOMS IN PATIENTS WITH SLEEP BRUXISM AND TREATED WITH OCCLUSAL SPLINT – A LONG TERM FOLLOW-UP

Giannasi LC, de Oliveira LVF

POSTER #011

FOLLOW-UP STUDY OF TWO MANDIBULAR ADVANCEMENT APPLIANCES: PRELIMINARY RESULTS

Gauthier L, Laberge L, Beaudry M, Laforte M, Rompré PH, Heinzer R, Lavigne GJ

I PATIENT ATTITUDES AND PREFERENCES TOWARD TREATMENT OF OSA

10:30am – 11:30am

Room: Ballroom A

Speaker: Terri Weaver, RN, PhD

Overview: CPAP therapy was the first and is still the best approach for most patients with OSA, but as patients become more knowledgeable they are looking for alternatives to the traditional “mask” and machine. Develop a better understanding of patient attitudes toward CPAP as well as other therapies that can improve care and outcomes in your practice. Utilize all the tools available to you as a member of the OSA treatment team and learn to discuss realistic expectations with your patients.

Target Audience: Dentists, physicians and auxiliaries

Objectives:

1. Learn how CPAP therapy is initiated and managed as a chronic disease.
2. Discuss the impact of patient attitudes toward adherence to CPAP and alternative therapies.
3. Become more familiar with strategies that improve treatment adherence over time and the importance of clinical follow-up.

O ORAL ABSTRACT PRESENTATIONS

11:30am – 12:30pm

Room: Ballroom A

The authors of the following four abstracts will present their research during this session. Authors selected for oral presentations are allotted a 10-minute time period to present their abstract, followed by a 5-minute time period for questions or answers.

POSTER #014

TEACHING OF DENTAL SLEEP MEDICINE IN U.S. DENTAL SCHOOLS

Simmons M, Pullinger A
11:30am – 11:45am

POSTER #008

PREVALENCE OF SLEEP DISORDERS IN PEDIATRIC ORTHODONTIC PATIENTS

Fritz K, Sheats R
11:45am – 12:00pm

POSTER #001

VIDEOENDOSCOPIC DIAGNOSIS FOR PREDICTING RESPONSE TO ORAL APPLIANCE THERAPY IN OBSTRUCTIVE SLEEP APNEA

Sasao Y, Okuno K, Nohara K, Sakai T
12:00pm – 12:15pm

POSTER #016

EVALUATION OF OBSTRUCTIVE SLEEP APNEA PATIENTS' ORAL APPLIANCE TITRATION PROTOCOLS

McLornan P, Verrett R, Girvan T, Ingmundson P
12:15pm – 12:30pm

ABDSM INFORMATIONAL SESSION

12:30pm – 1:00pm

Room: Ballroom A

Learn about the ABDSM certification process. Board members will be available to answer questions.

LUNCH BREAK (ON YOUR OWN)

12:30pm – 1:30pm

MEET THE PROFESSORS

Ticketed Event

12:30pm – 1:30pm

During these small-group sessions, an expert in dental sleep medicine will lead an informal discussion on a single topic. Advanced registration is strongly encouraged as seating is limited and sold on a first-come, first-served basis. Lunch is provided at this session. Meals are pre-selected with standard dietary needs in mind and cannot be substituted to accommodate special needs.

M 03: John Remmers, MD

Room: 102A

M 04: Alan Lowe, DMD, PhD

Room: 102B

O ORAL ABSTRACT PRESENTATIONS**1:30pm – 2:00pm****Room: Ballroom A**

The authors of the following two abstracts will present their research during this session. Authors selected for oral presentations are allotted a 10-minute time period to present their abstract, followed by a 5-minute time period for questions or answers.

POSTER #002**CROSSOVER STUDY COMPARING TWO ORAL APPLIANCE DESIGNS FOR TREATMENT OF OBSTRUCTIVE SLEEP APNEA**

Bishop B, Verrett R, Girvan T, Ingmundson P

1:30pm – 1:45pm

POSTER #011**FOLLOW-UP STUDY OF TWO MANDIBULAR ADVANCEMENT APPLIANCES: PRELIMINARY RESULTS**

Gauthier L, Laberge L, Beaudry M, Laforte M, Rompré PH, Heinzer R, Lavigne GJ

1:45pm – 2:00pm

I THE RELATIONSHIP BETWEEN BRUXISM, PAIN AND SLEEP**2:00pm – 3:00pm****Room: Ballroom A****Speaker:** Gilles Lavigne, DMD, PhD

Overview: This session will review how pain alters sleep and reduces bruxism frequency.

Target Audience: Dentists and clinical investigators

Objectives:

1. Understand sleep and pain interaction.
2. Understand how pain influences sleep bruxism.
3. Understand the role of breathing on sleep bruxism and pain.
4. Review sleep and pain management.

P AFTERNOON REFRESHMENT BREAK AND POSTER VIEWING**3:00pm – 3:30pm**

All posters are available for viewing in Ballroom A throughout the AADSM annual meeting. Presenters of the posters listed below are available for questions and comments from 3:00pm – 3:30pm on Saturday, June 5, 2010.

POSTER #012**MANDIBULAR PROTRUSIVE CHARACTERISTICS IN PATIENTS USING A DUOBLOC ADJUSTABLE MANDIBULAR REPOSITIONING APPLIANCE: PRELIMINARY RESULTS**

Braem MJ, Dieltjens M, Van de Heyning PH, Vanderveken OM

POSTER #013**A RETROSPECTIVE COMPARISON OF CUSTOM-MADE ORAL APPLIANCES IN THE THERAPY OF ADULT SLEEP-DISORDERED BREATHING: A MONOBLOC DESIGN VERSUS A DUOBLOC MANDIBULAR ADVANCEMENT DEVICE**

Dieltjens M, Vanderveken OM, Van de Heyning PH, Braem MJ

POSTER #014**TEACHING OF DENTAL SLEEP MEDICINE IN U.S. DENTAL SCHOOLS**

Simmons M, Pullinger A

POSTER #015**TREATMENT OF SLEEP-DISORDERED BREATHING WITH A NOVEL, CUSTOM-MADE, ADJUSTABLE MANDIBULAR REPOSITIONING APPLIANCE: A PROSPECTIVE PILOT STUDY**

Vanderveken OM, Braem MJ, Dieltjens M, Hamans E, Verbraecken JA, Boudewyns AN, De Backer WA, Van de Heyning PH

POSTER #016**EVALUATION OF OBSTRUCTIVE SLEEP APNEA PATIENTS' ORAL APPLIANCE TITRATION PROTOCOLS**

McLornan P, Verrett R, Girvan T, Ingmundson P

POSTER #017**EFFECT OF VERTICAL DIMENSION OF COMPLETE DENTURES ON OBSTRUCTIVE SLEEP APNEA**

Furuyama R

POSTER #018**COMPLETE DENTURE WEARS ON OSAS SYMPTOMS**

Furuyama RJ, Iegami CM, Chaccor D, Froes TC, Tsuda H, Lucchesi LM, Bittencourt LRA, Frigério MLMA, Almeida F

POSTER #019**THE NEW TAP-PAP CUSTOM FACE MASK FOR CPAP COMPLIANCE AND SATISFACTION**

Prehn RS

POSTER #020**A NEW SOFTWARE SYSTEM FOR QUANTIFYING THE UPPER AIRWAY IN PATIENTS WITH OBSTRUCTIVE SLEEP APNEA USING CONE BEAM COMPUTED TOMOGRAPHY**

Singh GD, Farrell ML, Lozanoff S

POSTER #021**INFLUENCE OF ORAL DIMENSIONS ON MANDIBULAR ADVANCEMENT SPLINT TREATMENT OUTCOME IN OBSTRUCTIVE SLEEP APNEA**

Mostafiz W, Dalci O, Sutherland K, Malhotra A, Darendeliler MA, Cistulli P

I SLEEP MEDICINE: YEAR IN REVIEW

3:30pm – 4:30pm
Room: Ballroom A

Speaker: Peter Cistulli, MD, PhD

Overview: Dr. Cistulli will provide a selective review of key publications in the sleep field.

Target Audience: Dental clinicians and scientists

Objectives:

1. Review key papers published in the sleep literature.
2. Discuss key publications in the dental sleep medicine field.

I DEVELOPING A MODEL FOR RESPONSE TO HYPOXIA AND OSA

4:30pm – 5:30pm
Room: Ballroom A

Speaker: Patrick Lévy, MD, PhD

Overview: Exposure to intermittent hypoxia has been developed as a model of OSA. Intermittent hypoxia is able to reproduce cardiovascular consequences and this enables us to dissect the mechanisms involved in cardiovascular morbidity in OSA.

Target Audience: Clinicians and researchers interested in sleep related breathing disorders

Objectives:

1. Identify confounding factors in OSA and other SDB (i.e. obesity, gender, age) which justifies the need for an animal model.
2. Discuss why the intermittent hypoxia model has been developed both in rodents and in the normal volunteer.
3. Review the consequences of intermittent hypoxia on blood pressure, on myocardial sensitivity to ischemia and on vascular remodeling.
4. Explain the cellular and molecular pathways that have been described in the IH model.

PRESIDENT'S RECEPTION

6:30pm – 8:00pm
Room: Ballroom A

2010 PRESIDENT'S RECEPTION

The AADSM Board of Directors invites all attendees of the AADSM 19th Annual Meeting to congratulate the 2010 AADSM Award recipients, thank the outgoing AADSM Board Members for their services and welcome the 2010 - 2011 incoming Board Members. The 2010 President's Reception takes place on Saturday, June 5, 2010, from 6:30pm - 8:00pm at the Henry B. Gonzalez Convention Center.

The President's Reception is a social celebration featuring an assortment of hors d'oeuvres, a full-service cash bar, the presentations of the Pierre Robin Academic Award and the Distinguished Service Award, and brief addresses from the awardees and Dr. Jeffrey Pancer, AADSM President.

AADSM PAST PRESIDENTS

- 1991 – 1992: Robert R. Rogers, DMD
- 1992 – 1993: Arthur M. Strauss, DDS
- 1993 – 1994: R. Michael Alvarez, DDS
- 1994 – 1995: Jeffrey R. Prinsell, DMD, MD
- 1995 – 1996: Robert R. Rogers, DMD
- 1996 – 1997: Laurence I. Barsh, DMD
- 1997 – 1998: Kenneth Hilsen, DDS
- 1998 – 1999: Dennis R. Bailey, DDS
- 1999 – 2000: Robert R. Rogers, DMD
- 2000 – 2002: Don A. Pantino, DDS
- 2002 – 2004: Harold A. Smith, DDS
- 2004 – 2006: Kent E. Moore, DDS, MD
- 2006 – 2008: Jeffrey R. Prinsell, DMD, MD
- 2008 – 2010: Jeffrey P. Pancer, DDS

AADSM GENERAL MEMBERSHIP MEETING

5:30pm – 6:00pm
Room: Ballroom A



The AADSM Board of Directors invites all attendees to come and learn about the recent activities and initiatives of the AADSM. Secretary/Treasurer Richard Drake, DDS, will discuss the financial state of the Academy. New members of the AADSM Board of Directors will be introduced and the Changing of the Presidents will take place.

EXHIBIT HALL OPEN**7:30am – 1:00pm****Room: 103AB****I THE SLEEP PATIENT INTERVIEW AND EXAM: LIVE PATIENT DEMONSTRATION****8:00am – 9:00am****Room: Ballroom A****Speaker:** Jonathan Parker, DDS

Overview: This presentation demonstrates the key components of an interview, exam and consultation for an OSA patient in a way that you will be able to apply this process effectively in your practices. A question and answer session will follow the demonstration.

Target Audience: Dentists and physicians**Objectives:**

1. Learn the key information necessary to conduct a comprehensive interview and exam of a sleep apnea patient.
2. Observe an initial patient interview and apply this information to patient care in your practice.

I MOVEMENT DISORDERS IN SLEEP**9:00am – 10:00am****Room: Ballroom A****Speaker:** Arthur Walters, MD

Overview: The diagnosis and treatment of sleep disorders will be covered.

Target Audience: Clinicians of all types and paramedical professionals who are interested in sleep medicine.**Objectives:**

1. Learn how to think systematically about the correct approach to the diagnosis of sleep related movement disorders.
2. Learn about the diagnosis of sleep related movement disorders.
3. Learn about the treatment of sleep related movement disorders.

MORNING REFRESHMENT BREAK IN EXHIBIT HALL**10:00am – 10:30am****I THE SOCIO-ECONOMIC IMPACT OF DROWSINESS: DO DENTISTS HAVE A ROLE?****10:30am – 11:30am****Room: Ballroom A****Speaker:** Michael Simmons, DMD**Target Audience:** Dentists, dental assistants and dental hygienists**Objectives:**

1. Discuss concepts of drowsiness and fatigue their quantification and measurement.
2. Review the causes and effects of drowsiness.
3. Develop a basic understanding of the social impact of drowsiness and hot issues.
4. Understand the economic impact of drowsiness.
5. Learn about concepts in managing drowsiness and approaches dentists can take in assessing and addressing drowsiness.
6. Recognize medicolegal issues surrounding drowsiness and dentists treating sleep disorders.

I TREATMENT OF MILD OSA: THE HOME FIELD FOR ORAL APPLIANCE THERAPY? - PANEL DISCUSSION**11:30am – 1:00pm****Room: Ballroom A****Moderator:** Fernanda Almeida, DDS, PhD**Panel:** Peter Cistulli, MD, PhD; Patrick Levy, MD, PhD; and Terri Weaver, PhD, RN

Overview: A significant number of recent research publications have documented the importance of treatment of sleep apnea. Controversies exist though in the treatment of mild cases or cases with no or little sleepiness. This discussion will focus on understanding the association between cardiovascular disease and mild OSA patients and will focus on clinical outcomes of the two major treatment modalities for sleep apnea, CPAP and oral appliances.

Target Audience: Dentists, physicians and researchers with interest in sleep medicine**Objectives:**

1. Describe cardiovascular consequences of non-treated, mild OSA.
2. Understand the desired treatment outcome for mild OSA.
3. Determine best treatment approaches for mild cases.