

A critical review of orofacial myofunctional therapy & sleep disordered breathing: phenotyping, clinical markers, and early intervention

We hope all will join us for the AAMS Symposium at the World Sleep Congress September 20-25, in Vancouver, Canada. It is an historic occasion for our emerging field of orofacial myofunctional therapy (OMT) with dozens of presentations touching on OMT in the main congress program & scientific sessions in addition to the AAMS Symposium. (May be added as a course to the full congress registration at no charge)

**TO REGISTER FOR THE CONGRESS & THIS SPECIAL EVENT,
GO TO www.worldsleepcongress.com/register**

The name of the session is "A06: Orofacial Myofunctional Therapy & Sleep Disordered Breathing." found on page 2 of the shopping cart.

MORE INFO ON THE BACK

Co-Chairs
Marc Moeller
Sharon Keenan

Sunday
September 22, 2019
13:00 - 17:45

**Vancouver
Convention Centre**
999 Canada Pl
Vancouver, BC V6C 3E1
Canada

This program is a joint meeting of the Academy of Applied Myofunctional Sciences (AAMS) and the World Sleep Society.

Obstructive sleep apnea (OSA) is increasingly common sleep disorder with heterogeneity in clinical presentation and pathophysiology. In recent years, contributing causes or phenotypes have been identified and include: airway collapsibility, impaired pharyngeal dilator muscle function, lowered arousal threshold and loop gain.

Increased understanding of the pathophysiology and phenotyping of sleep disordered breathing (SDB) traits can improve the success rate of targeted treatment such as myofunctional therapy, alone or in combination with other treatments in mild and moderate OSA. This highlights the need for further research and the need to develop simple phenotyping tools for SDB related muscle function.

Orofacial myofunctional therapy (OMT) represents a novel, non-invasive strategy to treat sleep disordered breathing including OSA (Guilleminault 2013, Camacho 2015, Camacho 2018). Recent evidence has supported its usage in children with residual OSA following adenotonsillectomy (Villa 2015, Guilleminault 2017, Felicio 2018). Further, OMT may represent a novel paradigm of therapy that may prevent pediatric OSA (Sullivan 2017). Standardized treatment modalities, models for detection of orofacial myofunctional disorders, and clear understanding of the related phenotypes, however, are yet to be established.

This symposium will critically evaluate the recent evidence on OMT, while exploring what is known clinically that may be of immediate interest to those working in sleep medicine who wish to apply a robust, multidisciplinary approach including ENT, orthodontic, pulmonary, and OMT intervention.

Upon Completion of this CME activity, participants should be able to...

- Describe how the maldevelopment of specific structural components of the craniofacial respiratory complex in early childhood can be associated with sleep and airway morbidity.
- Appraise the relationship between mouth breathing patterns, tongue restriction, posture, and sleep disordered breathing.
- Employ a clinical decision making model to help providers determine when to implement OMT in children suspected with OSA.
- Appraise the potential of myofunctional therapy alone or in combination therapy targeted to muscle phenotype in a precision medicine model and evaluate the success.

OUR SPEAKERS



Marc Moeller, BA | USA

Managing Director, Academy of Orofacial Myofunctional Therapy, USA

Marc Moeller, is the Executive Director and founding Board Chair of the Academy of Applied Myofunctional Sciences (AAMS). He is also the Managing Director of the Academy of Orofacial Myofunctional Therapy (AOMT), coming to the field of Orofacial Myofunctional Therapy (OMT) with extensive experience as a senior executive in finance, building and bridging strategies across multinational financial conglomerates, specializing in joint-venture integration. He is fortunate to apply this experience as a public health advocate, building bridges in the interdisciplinary profession of OMT facilitating research and developing curricula. He is a graduate of University of California, San Diego and is based in Los Angeles. He speaks French, Spanish, Portuguese, and Mandarin Chinese.



Kevin Boyd, DDS, MSc | USA

Orthodontist · Chicago, IL

Dr. Kevin Boyd is a board certified Pediatric Dentist in Chicago who also holds a Master's degree in Human Nutrition and Dietetics. He teaches in the Pediatric Dentistry residency program at Lurie Children's Hospital and serves as a dental consultant to their sleep medicine clinic. Dr. Boyd is a visiting scholar at the University of Pennsylvania Museum of Archeology and Anthropology conducting research in post-industrial evolution of the human face and airway-related structures. He lectures worldwide on pediatric OSA, evolutionary oral medicine and early intervention orthodontics.



Rakesh Bhattacharjee, MD | USA

UCSD Head of Pediatric Sleep, Rady Children's Hospital

Dr. Bhattacharjee is a board certified child specialist of pulmonary and sleep disorders, including sleep apnea and sleep-related breathing problems. He is the director of Pediatric Sleep Medicine at the University of California, San Diego and Rady Children's Hospital. His research focuses on treatment of Pediatric sleep disorders and on cardiovascular impairment in patients suffering from sleep disorders, as well as the impact of childhood obesity on pediatric sleep apnea. He has received multiple awards and grants for his research from notable organizations, including the American Academy of Sleep Medicine, American Thoracic Society, and the American Heart Association.



Brigitte Fung, PT | Hong Kong

Hong Kong Hospital Authority, Hong Kong

Brigitte Fung graduated with a professional diploma in physiotherapy. She has a master degree in science of exercise and nutrition science. She is also a certified Lymphatic Therapist and Orofacial Myofunctional Therapist. She was the clinical educator of the master of physiotherapy in China. She was presented with the Golden Jubilee Award by the Hong Kong physiotherapy association in 2013 recognizing her contribution to the profession. Recently she has been actively involved in providing service to children with a special interest in the research and management of sleep disordered breathing and dysfunctional breathing with Orofacial myofunctional therapy and Buteyko breathing reeducation. She is also involved in the research and management of sleep disordered breathing and dysfunctional breathing with Orofacial myofunctional therapy and Buteyko breathing reeducation.



Sharon Keenan, PhD | USA

Stanford, CA USA

Dr. Keenan is the founder, director at The School of Sleep Medicine, Inc. in Palo Alto, CA. She also served as principal lecturer at the University of Sydney Department of Medicine in Sydney, Australia from 1986 to 2010. She has contributed chapters to numerous books and has presented papers and abstracts on sleep and technology both nationally and internationally. She served as president of the Association of Polysomnographic Technologists from 1983 to 1991 and is the recipient of the Weitzman Award for Outstanding Contributions and Dedication to the Association of Polysomnographic Technologists, the William C. Dement award for outstanding leadership at Stanford University Sleep Disorders Research Center and The Sleep Research Society Award for Excellence in Education.



Mai Khanh LÊ-DACHEUX, MD | France

French Orthodontic Society and French ENT Society, France

Doctor in dental surgery (Paris VII). Qualified Specialist in Dento-Facial Orthopedics. Certificate of Special Clinical Studies Mention Orthodontics, (CECSMO Paris VII). Former Internal Hospitals (Paris VII). Attaché de Consultation Maxillofacial Surgery and Plastic Surgery (Necker Enfants Malades Hospital, Paris). Inter University Diploma of Odonto-Stomatological Treatments of Obstructive Sleep Apnea Syndrome, (TOSSAOS Paris VII). Dr. Mai Khanh LÊ-DACHEUX is a writer for many articles and publications. She is a special guest as a speaker for many conferences internationally.



Takashi Ono, MD | Japan

Tokyo Medical and Dental University | TMDU · Orthodontic Science

Takashi Ono was appointed as Professor and Chairman of Department of Orthodontic Science, Tokyo Medical and Dental University (TMDU) Graduate School, Tokyo, Japan in 2010. He is also Vice Dean of Dental Hospital, TMDU. His research interests include tongue/oral physiology, craniofacial function/dysfunction, sleep-related respiratory disorders, brain activity, and early intervention. He serves as Adjunct/Visiting Professor at 4 universities outside Japan, and is a recipient of the 2018 IADR/AADR Williams J Gies Award.



Nicole Archambault, EdS, MS, CCC-SLP, CLEC | USA

Pediatric Speech-Language Therapy Clinic · Santa Monica, CA

Nicole Archambault is an ASHA board certified speech-language pathologist, certified lactation educator/counselor, and airway & sleep literacy advocate. She is the founder and executive director of Minds In Motion, and has served as a graduate teaching assistant at Johns Hopkins University. Nicole serves on the scientific committee in speech-language pathology for the Academy of Applied Myofunctional Sciences (AAMS), and is the myofunctional therapy section leader for the American Academy of Physiological Medicine & Dentistry (AAPMD). She is a national and international speaker and published author on the topic of educational neuroscience, myofunctional therapy, airway function disorders and the autonomic nervous system, and sleep in pediatrics. Nicole is a 2016 graduate of the Mind, Brain, & Teaching graduate certificate program at Johns Hopkins University.



Julia Cohen-Lévy, DDS, MS, PhD | France

Stagiaire POst-Doctorale, University of Montréal

Private practice in orthodontics with adults and children for treatments of obstructive sleep apnea (SAOS) from 2003 to 2016. Different techniques: lingual orthodontics, functional orthodontics, orthopedics, therapeutic type Essix or Invisalign. Multidisciplinary consultation on obstructive sleep apnea syndrome in pediatric sleep, in association with the ENT department at Necker EM Hospital in Paris. Presently at the University of Montréal in Clinical Research on Pediatric Sleep Apnea Syndrome at the Pr N. Huyhn Laboratory.



Silke Anna Theresa Weber, MD, PhD | Brazil

Botucatu Medical School-FMB, UNESP, Botucatu,SP · Brazil

Silke Anna Theresa Weber, MD, PhD, Adjunct Professor for Otolaryngology and Head and Neck Surgery at Botucatu Medical School-FMB, UNESP, Botucatu,SP, Brazil. Coordinator of the Sleep Lab at the university hospital "Hospital das Clínicas HCFMB Botucatu" and the research line in Sleep breathing disorders at the program "Surgery and Translational medicine", member of the ERS Task Force group of paediatric sleep breathing disorders.



Steve Carstensen, DDS | USA

Bellevue, Washington

Dr. Steve Carstensen is the co-founder of Premier Sleep Associates, a dental practice dedicated to treating obstructive sleep apnea and snoring. After graduating from Baylor College of Dentistry in 1983, he and his wife, Midge, a dental hygienist, started a private practice of general dentistry in Texas before moving to native Seattle in 1990. In 1996 he achieved Fellowship in the Academy of General Dentists in recognition of over 3000 hours of advanced education in dentistry, with an increasing amount of time in both practice and classwork devoted to sleep medicine. Dr. Steve is currently the Sleep Education Director for both Pankey Institute and Spear Education, recognized as among the finest places for dentists to further their education. For the American Academy of Dental Sleep Medicine he's been a Board Member, Secretary Treasurer, and President-Elect. In 2006 he achieved Certification by the American Board of Dental Sleep Medicine.



Venkata Koka, MD | France

Hôpitaux Universitaires Paris-Sud, France

Otolaryngologist and Sleep medicine specialist working as a consultant in sleep medicine department in Hospital Antoine Beclere, Clamart, and in private practice in Paris. Obtained diplomas in Sleep Medicine from Paris XI university, ESRS and WSS. Actively involved in academics and research activities in sleep medicine and sleep physiology and also an international speaker in the field of sleep medicine during various courses and workshops. Identified a clinical sign 'EK sign' in OSA in 2015.



Darius Loghmanee, MD | USA

Head of Sleep Medicine, Advocate Health Systems

Dr. Darius Loghmanee, MD FAAP FAASM, Director of the Pediatric Sleep Service Line of the Advocate Medical Group, consisting of 16 hospitals and 350+ locations in the the greater Chicago area. He received his medical degree from the University at Buffalo School of Medicine. He did his postgraduate training at Rush University Medical Center where he completed a combined residency in Internal Medicine and Pediatrics and trained as a fellow in the Sleep Disorders Center. After his training he spent seven years at the Ann and Robert H. Lurie Children's Hospital of Chicago where he evaluated and treated children with sleep disorders and served as the Associate Director of the Sleep Medicine Center.

A critical review of orofacial myofunctional therapy & sleep disordered breathing: phenotyping, clinical markers, and early intervention

13:00 – 13:15 - Marc Richard Moeller, USA

Introduction: The emerging area of myofunctional therapy; why sleep disordered breathing?

13:15 – 13:42 - Takashi Ono, Japan

Should the kids breathe through nose or mouth? Implications of early treatment of respiratory dysfunction

13:42 – 14:09 - Venkata Koka, France

Impaired pharyngeal dilator muscle function in OSA; a phenotype for new modalities of treatment

14:09 – 14:24 - Brigitte Fung, Hong Kong

Orofacial Myofunctional Therapy (OMT) for obstructive sleep apnoea

14:24 – 14:51 - Rakesh Bhattacharjee, Canada

Stick your tongue out: OMT and its place in pediatric OSA

14:51 – 15:01 - Darius Logmahnee, USA

The certification paradox: balancing excellence and access in orofacial myofunctional therapy

15:01 – 15:21 | Break

15:21 – 15:48 - Kevin Boyd, USA

Need for Orthodontic Treatment Under the Age of Seven: A Predictor of Increased Risk for Sleep Related Breathing Disorders (SRDB)

15:48 – 16:10 - Nicole Archambault, USA

Oral Dysfunction and Sleep Meet Education: A Collaborative Four-Part School-Based Model for Screenings

16:10 – 16:32 - Julia Cohen-Levy, France

Orofacial abnormalities and dysfunctions in persistent sleep disordered breathing

16:32 – 16:52 - Silke Weber, Brazil

Orofacial Myofunctional Therapy in the mouth breathing patient: An interdisciplinary approach and its place in sleep medicine

16:52 – 17:07 - Mai Khanh Lê-Dacheux, France

Pediatric OSA and the interdisciplinary team: the addition of myofunctional therapy to standards of care for the French Orthodontic Society

17:07 – 17:17 - Steve Carstensen, USA

Dentists need more than drills: the American Dental Association embracing whole person health

17:17 – 17:35 - Sharon Keenan, USA

A call for education and synergistic collaboration

AAMS' GOALS AND VISION

To provide educational and research media in the area of myofunctional therapy for our members, the academic community and the general public worldwide.

To develop and produce educational symposia that center on relevant topics in the field of myofunctional therapy and stomatognathic system.

To build a membership network of aligned professionals and interested parties whose intention is to expand and develop the field of myofunctional therapy.

Participate in trade shows, conferences and conventions that are specific to this field to promote and expand awareness of orofacial myofunctional disorders and treatment options.

To facilitate scientific research in the field of myofunctional therapy.

To develop and maintain standards for the delivery of care in the field of myofunctional therapy.

To build networking relationships with interdisciplinary, allied health professionals and respective trade associations.



AAMS

ACADEMY OF APPLIED
MYOFUNCTIONAL SCIENCES



ADVANCING SLEEP HEALTH WORLDWIDE

Founded by WORLD ASSOCIATION OF SLEEP MEDICINE
and WORLD SLEEP FEDERATION

910 Via De La Paz, Suite 106
Pacific Palisades, CA 90272 USA
Tel: +1-310-454-9444
Fax: +1-310-454-0391
Email: info@aamsinfo.org

To register for the World Sleep Congress

Go to: www.worldsleepcongress.com/register

- Open the Registration page.
- Login with your username and password (new users would have to create an account).
- Open the World Sleep "online store."
- Scroll to the bottom of the page and click on the arrow to go to page two to see A06.
- Add to your cart and continue with checkout.

If you have any problems registering for the workshops, please contact World Sleep Society for assistance.

Further questions
may be addressed to
Marc Moeller
marc@aomtinfo.org
+1-310-382-7852

www.aamsinfo.org