

Myofunctional Therapy in Modification of the Upper Airway in Obstructive Sleep Apnea

Prague, Czech Republic

We hope all will join us for the AAMS Symposium at the World Sleep Congress October 7-12, in Prague, Czech Republic. It is a 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 (which may be added as a course to the full congress registration at no charge).

TO REGISTER FOR THE WORLD SLEEP CONGRESS:
<http://worldsleepcongress.com/prague>

*for those who cannot attend the full World Sleep Congress, we invite you to register for the AAMS Symposium On October 7th at no cost by going to the web address below. There will be a reception following the symposium.

TO REGISTER FOR THE AAMS SYMPOSIUM:
<https://aams.memberclicks.net/prague-2017>

Saturday
October 7th, 2017
12:30-18:00

Chairs
C. Guilleminault, United States
M. Moeller, United States

A Satellite Symposium to and Affiliate Meeting of the World Sleep Congress

The field of Orofacial Myofunctional Therapy (OMT) has recently gained more attention as an emerging adjunct treatment for sleep disordered breathing (SDB). With early randomised studies consistently showing efficacy of OMT in the reduction of AHI and the increase in SaO₂ (Guimares 2009, Villa 2014, Camacho 2015), significant reduction of snoring (Ieto 2015), and improvement in CPAP adherence and performance (Diaferia 2016, Cao 2017). Additional recent work considering the potential correlation of orofacial myofunctional disorders (OMDs) to OSA pathogenesis such as mouth breathing (Guilleminault 2014, 2015, 2016, 2017, Lee 2015, Torre 2017) and ankyloglossia (Huang 2015, Guilleminault 2016, Yoon 2017) holds great promise for early identification of patient risk and successful and stable intervention in treatment and potential reversal of SDB.

Such early work has led to the increasing adoption of OMT as a standard of care, both adjunct and as a 1st line treatment for SDB (Brazilian Sleep Association/ABSONO 2013, Asian Paediatric Pulmonary Society/APPS 2016, French Society of Research and Sleep Medicine/SFRMS 2016, Italian Ministry of Health 2016), but a great deal more work must be done to establish the science necessary for OMT to become widely accepted. This symposium will review the current uses of OMT related to SDB around the world and also look to ask what is necessary for this promising field to gain greater prominence and use. We will review the efficacy of OMT with SDB with standard approaches to treatment including sleep surgery and orthodontics.

This affiliate meeting is a satellite symposium of the Academy of Applied Myofunctional Sciences, a USA registered non-profit (501c3) that is the leading world body in the field of orofacial myofunctional therapy (OMT).

Learning outcomes

Upon completion of this CME activity attendees should be able to

- Identify orofacial myofunctional disorders (OMDs) that are phenotypically related to SDB

- Assess potential SDB patients who could benefit from OMT
- Explain the potential pathogenesis of OMDs in the development of OSA
- Evaluate potential SDB patients for OMT

Myofunctional Therapy in Modification of the Upper Airway in OSA Presentation

Academy of Applied Myofunctional Sciences (AAMS)

12:30 – 12:45 - C. Guilleminault, United States

Opening remarks: Myofunctional therapy and sleep disordered breathing

12:45 – 13:05 - M. Moeller, United States

A survey of myofunctional therapy and sleep disorders

13:05 – 13:30 - D. Eckert, Australia

Targeting the pharyngeal muscles to treat OSA: A phenotyping perspective

13:30 – 13:55 - J. Moeller, United States

Patients' perspectives on myofunctional therapy and OSA: A call for action

13:55 – 14:20 - E. Bianchini, Brazil

Pathways to update standards of care: How myofunctional therapy works in OSA

14:20 – 14:45 - H. Vaher, Estonia T. Jagomagi, Estonia

AAMS - Interdisciplinary approaches in the treatment of orofacial myofunctional anomalies in sleep

14:45 – 15:10 - M.P. Villa, Italy

From emerging adjunct treatment to 1st line treatment: The OMT journey for OSAS in Italy

15:10 – 15:25 | Break

15:25 – 15:50 - S. Liu, United States

From reconstruction to re-education: The evolution of a sleep surgery protocol with DOME, MMA, hypoglossal nerve stimulation, and myofunctional therapy

15:50 – 16:15 - A. Yoon, United States

A missing link in OSA pathogenesis: Low tongue posture as a phenotype in OSA

16:15 – 16:40 - F. Chen, Palo alto, United States

Rapid return function after MMA: OMT, recovery & QOL Y

16:40 – 17:05 - D.K.-K. Ng, Hong Kong

The impact of orofacial myofunctional therapy in the upper airway: Wake and sleep

17:05 – 17:30 - M. Kryger, United States

From the needles of dionysius: Evolution in the treatment of sleep apnea

17:30 – 18:00 - Panel discussion

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.



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

www.aamsinfo.org

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

TO REGISTER FOR THE AAMS SYMPOSIUM:
<https://aams.memberclicks.net/prague-2017>

TO REGISTER FOR THE WORLD SLEEP CONGRESS:
<http://worldsleepcongress.com/prague>

OUR SPEAKERS

Joy Moeller, RDH, BS | USA

Los Angeles, CA USA



Joy Lea Moeller, BS, RDH is a leader in the field of Orofacial Myofunctional Therapy, lecturing and teaching courses around the world for more than 25 years. Joy is on the board of the ASAA (American Sleep Apnea Association). She is a founder and Director of the Academy of Orofacial Myofunctional Therapy and a founding Director of the Academy of Applied Myofunctional Sciences. Her training is extensive. She graduated from the Myofunctional Therapy Institute in Coral Gables, Florida, in 1980 and had an extensive Internship in Orofacial Myology. Joy's background of Dental Hygiene led the way for further studies, and she has taught and continues to teach principles of Myofunctional Therapy to graduate and post-graduate students and numerous universities as a guest speaker. Some of those are UCLA School of Dentistry, USC, Cerritos College, Guttenberg University in Mainz, Germany, University of Louvain in Brussels, Belgium, University of Freiburg, Germany, Physical therapy groups, Speech Pathologists, Orthodontists, Dentists and Hygienists.

Marc Moeller, BA

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), comes 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.

Christian Guilleminault, MD, PhD

Stanford, CA USA



Dr. Christian Guilleminault is a physician and researcher in the field of sleep medicine who played a central role in the early discovery of obstructive sleep apnea and has made seminal discoveries in many other areas of sleep medicine. Guilleminault continues to be a prolific researcher in the field of sleep medicine and has authored over six hundred articles in peer-reviewed medical journals to date and has won several awards for his research in the field of sleep medicine. He was a founding member of the Association of Sleep Disorders Centers in 1975 and was elected to be the first editor of the journal Sleep in June 1976, a role in which he continued to serve until 1997. He continues to practice clinical medicine and contribute to research endeavors at the Stanford Center for Sleep Sciences and Medicine.

Danny Eckert, PhD

Neura Institute, Australia



Danny has been actively involved in human sleep and respiratory physiology research since 2001. In 2006, he completed his PhD at the University of Adelaide, investigating the effects of low oxygen levels on protective respiratory reflexes and sensory processing in humans during wakefulness and sleep. He was subsequently awarded the Australasian Sleep Association Helen Bearpark Memorial Scholarship and the Thoracic Society of Australia and New Zealand Allen and Hanburys Respiratory Research Fellowship, followed by a NHMRC overseas Biomedical Fellowship to pursue postdoctoral studies. His research at Neuroscience Research Australia investigates various aspects of sleep and upper airway physiology in humans. One of the main aims is to investigate the multiple pathogenic causes of a common sleep-related breathing disorder, obstructive sleep apnoea, with a view towards developing novel, targeted therapeutic approaches for individual patients. A variety of neurophysiological techniques to study human upper airway muscle activity, function, and airway mechanics during wakefulness and sleep are utilised as part of a comprehensive basic sciences and translational sleep research program.

Maria Pia Villa, MD

Italy



From March 2005 to present, Maria holds the post of Professor of Pediatrics at the Faculty of Medicine and Psychology, University of Rome "Sapienza" at the Hospital Santi Andrea. She has fellows and graduate students in the writing of dissertations and specialization in the degree course in Medicine and Surgery, and in graduate school in the Pediatric Clinic. Since November 2003, she has been Director of the School of Specialization in Faculty of Medicine and Psychology, University of Rome 'La Sapienza'. She is also president for the course in Nursing as well as the course in Nursing Pediatric for the Faculty of Medicine and Psychology at the University of Rome "La Sapienza".

Daniel Ng, FRCP

Hong Kong



Dr. Daniel K Ng is currently the President of the Asian Pediatric Pulmonology Society (APPS) and Chief of Service of Department of Pediatrics, Kwong Wah Hospital, Hong Kong. He is also honorary council member of the Hong Kong Society of Pediatric Respiratory and Allergy (HKSPRA). Dr. Ng graduated from the University of Hong Kong in 1984. He underwent general pediatric training in the Caritas Medical Centre and Kwong Wah Hospital in Hong Kong. His interest in pediatric respiratory medicine started in 1992 and he received further training in this area in the Hospital for Sick Children, Toronto. On the international level, he serves as member at-large for Asia in the World Association of Sleep Medicine. Dr. Ng had served as international affairs committee member of the American Thoracic Society and the American Academy of Sleep Medicine. He was also the regional director of the International Pediatric Sleep Association until 2011. Dr. Ng's main research interests are sleep-disordered breathing, asthma and allergic rhinitis. Dr. Ng has published over 80 peer-reviewed papers in indexed journals and has served as reviewers for over 10 international medical journals. He is also the founding editor of Journal of Pediatric Respiratory and Critical Care.



Esther Bianchini, PhD

Brazil

Dr. Bianchini is a Speech and Language Pathologist (SLP), Master in Communication Disorders (PUC-SP), Ph.D. in Science, Faculty of Medicine of the University of São Paulo (FMUSP), President of the SLP Department of the Brazilian Society of Sleep (ABSono), Professor at the Post Graduation Program in SLP at the Pontifícia Universidade Católica de São Paulo (PUC-SP), Professor at CEFAC – Health and Education, Director of the SLP Rehabilitation Clinic in São Paulo, Brazil, author of scientific articles, books, and book chapters.



Heisl Vaheer, MD

Estonia

Heisl Vaheer, MD is currently working as a otorhinolaryngologist, head sleep-doctor and surgeon in the Unimed United Clinics. She is a board certified somnologist (ESRS). Her main fields of research include pediatric sleep breathing disorders. She has published various articles in medical journals and is always an invited speaker at several conferences. She is also an active board member of numerous Estonian professional associations and is one of the founders of the Nordic Association for Myofunctional Therapy (NAMT). Since 2015 Heisl Vaheer and Triin Jagomägi have been strongly involved with teamwork in treatment of orofacial functional disorders in cooperation with orthodontists, SLP, ENT and pediatric sleep medicine doctors.



Stanley Liu, MD

Stanford ENT Dept, Co-chair of Sleep Surgery

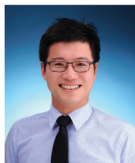
Dr. Liu joined the Stanford University School of Medicine faculty as an Assistant Professor of Otolaryngology in 2014. He currently serves as co-director of the Stanford Sleep Surgery Fellowship Program. He practices the full scope of sleep apnea surgery. Dr. Liu boarded at The Lawrenceville School before attending Stanford as an undergraduate student. He received his medical and dental degrees at the University of California-San Francisco (UCSF). During predoctoral training, he spent one year at the NIH as a Howard Hughes Medical Institute (HHMI) Research Scholar (Cloister Program). He also completed the UCSF Advanced Training in Clinical Research (ATCR) fellowship. After maxillofacial surgery residency at UCSF, Dr. Liu completed his sleep surgery fellowship at Stanford with the Department of Otolaryngology and Dr. Robert Riley. Dr. Liu has lectured extensively in the U.S. and internationally on sleep apnea surgery. His active areas of research include dynamic airway examination in sleep apnea, virtual surgical planning in facial skeletal surgery, and neuromodulation of the head and neck.



Audrey Yoon, DDS, MS

Stanford Medical Center, USA

Dr. Audrey Yoon is a dual trained sleep orthodontist and pediatric dentist. She completed her orthodontic, pediatric and craniofacial training at the University of California, Los Angeles (UCLA), the nation's pre-eminent program of its type. She obtained a Master of Science degree in Oral Biology with honors, completing extensive research in obstructive sleep apnea. Due to her expertise and high accolades, she was invited to join UCLA faculty. Dr. Yoon is a collaborative team member at Stanford Medical Center in the sleep apnea research. She has worked with Dr. Christian Guilleminault and Dr. Stanley Liu on a pioneering technique, performing maxillary distraction osteogenesis in adults for the treatment of obstructive sleep apnea (OSA). Dr. Yoon also has developed a surgery-first orthodontic protocol for Maxillomandibular Advancement Surgery. She is also an expert on the customized oral appliance/distractor device design. Active areas include craniofacial growth modification, frenulum inspection and myofunctional therapy.



Yu-Feng Chen, DDS

Kaohsiung Medical University, Taiwan

Dr. Chen has been a member of the faculty at Oral and Maxillofacial surgery in Kaohsiung Medical University (KMU) since 2012. KMU is the highest volume oral surgery center in Taiwan. After maxillofacial surgery residency at KMU, Dr. Chen received Orthognathic surgery training in plastic department, Chang Gung craniofacial center. Dr. Chen was a recipient of the 2014 ITI (International Team of Implantology) scholarship. He completed his research fellowship of sleep surgery at Stanford Otolaryngology department from 2016-2017. Dr. Chen is an active member of Taiwan society of sleep medicine. He is the co-director of multidisciplinary treatment sleep medicine clinic in his institution. The patient-centered care comes from the close collaboration with sleep medicine doctors, orthodontists, dentists and ENT doctors. He practices the full scope sleep surgery. His active research field included dynamic airway changes and biomechanical effects after adult maxillary expansion, rapid function and precision of MMA surgery for obstructive sleep apnea.



Meir Kryger, MD, FRCPC

USA

Meir Kryger joined the Yale School of Medicine and the VA Connecticut Health System, November 2011. Previously he was Professor of Medicine, University of Manitoba where he established the first clinical laboratory studying patients with sleep breathing problems in Canada. Dr. Kryger has published more than 200 research articles and book chapters. He is the chief editor of the most widely used textbook in sleep medicine, The Principles and Practice of Sleep Medicine, currently in its 5th edition and he is the author of A Woman's Guide to Sleep Disorders, the Atlas of Clinical Sleep Medicine, and Kryger's Sleep Medicine Review. He is boarded in Internal Medicine, Pulmonary Medicine and Sleep Medicine and is a Fellow of the Royal College of Physicians of Canada. He has been president of both the Canadian Sleep Society and the American Academy of Sleep Medicine. He is on the Board of Directors of the National Sleep Foundation in Washington, D.C., and served as Board. of Sleep Medicine.

We are engaged with some of
the most important interdisciplinary
congresses & associations in the field of
Myofunctional Therapy