Sleep Medicine

**International Faculty to Discuss Latest Basic, Translational and Clinical Research**

The American Thoracic Society invites you to attend ATS 2008 • Toronto, the world’s premier gathering of physicians, scientists and allied healthcare professionals committed to advancing respiratory, critical care and sleep medicine.

The American Thoracic Society’s International Conference will be held **May 16 to 21, 2008**, at the Metro Toronto Convention Centre in Toronto, Canada. During the conference, 5,600 research projects are presented and world-renowned researchers and clinicians lead more than 400 sessions.

**Who Should Attend?**

Science and how it is transforming clinical practice in pulmonary, critical care and sleep medicine is the hallmark of the ATS International Conference. The meeting brings together dedicated and highly knowledgeable medical professionals from many disciplines, and speakers include experts in sleep apnea, respiratory sensation and the cardiac consequences of sleep-disordered breathing, to name a few.

**Of Particular Interest to Sleep Specialists**

**POSTGRADUATE COURSES**

- **Pediatric Sleep and Breathing: What is the Latest?** *(Friday, May 16; 8 a.m. to 4 p.m.)* At this course, speakers will review the latest advances in breathing and sleep apnea in children, including new insights into epidemiological data, pathophysiology, imaging, treatment and consequences.

- **Cardiovascular Consequences of Sleep-Disordered Breathing** *(Friday, May 16; 8 a.m. to 4 p.m.)* This course will examine: 1) the pathophysiological effects of sleep-disordered breathing on the cardiovascular system; 2) the epidemiological evidence linking sleep-disordered breathing to cardiovascular diseases; and 3) the results of clinical trials that have targeted cardiovascular outcomes in patients with sleep-disordered breathing.
Controversies in the Diagnoses and Management of Obstructive Sleep Apnea (Saturday, May 17; 8 a.m. to 4 p.m.) This course is designed to provide a review and update on the diagnosis and management of patients with sleep apnea. Experts in the field will share their expertise in a pro-con debate, reviewing the latest developments and controversies in the field.

SESSIONS

Clinical Year-in-Review: Sleep Medicine (Sunday, May 18; 8:15 to 10:15 a.m.) During this session, Henry K. Yaggi, M.D., M.P.H., of Yale University, will identify the most significant contributions to the field of sleep medicine in the preceding year.

Sleep Heart Health Study (SHHS): Morbidity and Mortality Outcomes Associated with Sleep-Disordered Breathing (Sunday, May 18; noon to 1 p.m.) The National Heart, Lung, and Blood Institute Sleep Heart Health Study is a prospective multi-site study of sleep-disordered breathing and the associated risk of cardiovascular disease, myocardial infarction, stroke and mortality. This session will use the large resource of longitudinal SHHS data, including two overnight polysomnograms and 12 years of cardiovascular event follow-up in 6,400 middle-aged adults.

Sleep Medicine Grand Rounds (Sunday, May 18; 1:30 to 4:15 p.m.) Using a grand rounds approach, this symposium will provide an update on both the science and art of managing patients with a variety of sleep complaints and disorders, including sleep-disordered breathing, daytime sleepiness and abnormal movements during sleep. Five clinical case presentations will be followed by discussions led by expert physicians on diagnosis, pathophysiology and treatment of the disease.

Sleep Apnea as a Mechanism of Atherosclerosis: From Bench to Bedside (Tuesday, May 20; 8:15 to 11 a.m.) This symposium will focus on basic, translational and clinical data linking sleep apnea and the pathogenesis of atherosclerosis, including inflammation, oxidative stress and intermittent hypoxia. Speakers will review the evidence from animal models and human studies that attribute high cardiovascular risk in patients with obstructive sleep apnea to the prevalence of atherosclerosis.

Sleep Apnea Pathogenesis: Bench to Bedside (Tuesday, May 20; 1:30 to 4:15 p.m.) This session will review the basic science of apnea pathogenesis, discuss animal models and provide potential clinical relevance in humans.

Finding a Home for Portable Monitor Testing in Sleep Apnea (Wednesday, May 21; 8:15 to 11 a.m.) This symposium will review current knowledge and controversies regarding portable monitor testing of patients with obstructive sleep apnea. The research needed to develop ambulatory management pathways have similar functional outcomes and greater cost effectiveness compared to laboratory testing will be identified.

Register at a Discounted Rate Today!

Attendees who register by Tuesday, May 25, 2008, can do so at the special “early-bird” rate. For more information on pricing and to register online, go to www.thoracic.org and click on the International Conference icon. If you would like the program mailed to you, please send a request to ats2008@thoracic.org.