

CTS SCIENTIFIC PROGRAM 2009
Convention Centre, Room 30A

Monday, November 2, 2009

THEME: ICRH DISTINGUISHED LECTURE IN RESPIRATORY SCIENCES

Opening Remarks: Dr. Rob McFadden, Chair

Moderator: Dr. Peter Liu, Scientific Director, Institute of Circulatory and Respiratory Health,
Canadian Institutes of Health Research

14:30 – 15:30 Airway remodeling in asthma: implications for disease severity
- Dr. James Martin

Learning Objectives:

- Outline the various aspects of tissue remodelling in asthma
- Describe the pathophysiological consequences of airway smooth muscle remodelling
- Discuss the current understanding of the mechanisms of airway smooth muscle remodelling and potential treatments

15:30 – 16:30 Break – Exhibits

THEME: ANNUAL CHRISTIE MEMORIAL LECTURE

Moderator: Dr. Michel Rouleau

16:30 – 16:35 Introduction of Lecturer - Dr. Ronald Grossman

16:35 – 17:20 Mechanical Ventilation: From Vesalius to VILI
- Dr. Art Slutsky

Learning Objectives:

- Discuss the historical context of mechanical ventilation, including the slow pace of physiological advances until the 20th Century
- Outline the underlying patho-physiological principles that have led to a change in the way we ventilate patients with Acute Lung Injury and Acute Respiratory Distress Syndrome
- Describe the concept of Barotrauma, and its implications for mortality in ALI/ARDS, and for the development of novel therapies to decrease Multiple Organ Dysfunction Syndrome in ventilated patients

THEME: CTS BUSINESS MEETING

17:20 – 18:00 CTS Annual General Meeting

Tuesday, November 3, 2009

THEME: THE GREAT DEBATE

Moderator: Dr. Rob McFadden

8:00 – 9:15 **Canadian Guidelines Discourage the Optimal Management of Asthma**
PRO: Dr. Ken Chapman CON: Dr. Mark Fitzgerald

Learning Objectives

- Describe the benefits of applying the asthma guidelines in the diagnosis and treatment of patients with asthma
- Discuss errors in the current Canadian asthma guidelines that can and do lead to sub-optimal care
- Outline omissions in Canadian asthma guidelines that disadvantage Canadians with asthma
- Explain the “roadblock” function of guidelines (in general) and the asthma guidelines (specifically) that hinder attempts to control respiratory disease in Canada

9:15 – 10:30 **Break – Exhibits**

THEME: BRONCHIECTASIS

Moderator: Dr. George Fox

10:30 – 11:00 **Diagnosis of Primary Ciliary Dyskinesia (PCD): Are We There Yet?**
- Dr. Sharon Dell

Learning Objectives:

- Describe the phenotypic features and natural history of primary ciliary dyskinesia
- Apply a diagnostic algorithm to patients suspected to have primary ciliary dyskinesia, recognizing the role and limitations of nasal nitric oxide screening and ciliary electron microscopy studies
- Explain how a multicenter international clinical research collaborative has improved disease management for patients with primary ciliary dyskinesia

11:00 – 11:30 **Managing Non-CF Bronchiectasis in the Absence of Evidence**
- Dr. Liz Tullis

Learning Objectives:

- Perform investigations to determine etiology of bronchiectasis
- Describe principles of therapy for bronchiectasis
- Explain role of anti-infective, anti-inflammatory and mucoactive medications in bronchiectasis

11:30 – 12:00 **MAC in Bronchiectasis: Pathogen, Hitchhiker, or Both?**
- Dr. Stephen Field

Learning Objectives:

- Identify the different presentations of MAC lung disease
- Recognize cases of bronchiectasis where MAC is a likely pathogen

All sessions include a 7 to 15 minute Q&A period, depending on session duration.