



**McGill University Health Centre Adult Respiratory Medicine**



**32nd Annual Doctor Dorothy Wiselberg Seminar  
Neuromuscular Disorders and Respiration**

**May 31, 2019 : 8AM – 4PM**

McGill University Health Centre-Glen Site: Cruess Amphitheatre ES1-1129

Dear Colleagues,

We are delighted to invite you to McGill University-MUHC Adult Respiratory Medicine Division **32nd Annual Doctor Dorothy Wiselberg Seminar** which will take place **May 31, 2019**.

This is a free endowed conference in respiratory diseases in memory of Doctor Dorothy Wiselberg. One of the first female physicians to work in the area of pulmonary diseases in Montreal, she was based at Montreal Chest Hospital - now Montreal Chest Institute - where her work focused on tuberculosis.

This year, our conference is devoted to **Neuromuscular Disorders and Respiration** with the following general goals:

**General Objectives**

**Participants will gain knowledge of:**

- current diagnostic modalities for most common neuromuscular disorders (NMD)
- the role of genetic testing in common NMD
- current and investigational therapies for key NMD, and how this changes disease evolution and prognosis
- pathophysiology and management of swallowing dysfunction and aspiration pneumonia in NMD
- how home mechanical ventilation has evolved over the last century, regarding technology, indications, and utilization patterns in different countries
- how to interpret a home bi-level device or ventilator "download" to ensure optimal ventilator support in the home setting
- the benefits of lung volume recruitment and secretion management techniques in NMD
- practical aspects of initiation and follow-up of mouthpiece ventilation
- the pathophysiology of diaphragm dysfunction in the ICU based on current literature
- the current and emerging role of diaphragm ultrasound, particularly in the ICU setting
- utility and pitfalls of phrenic nerve and diaphragm EMG studies as diagnostic tools
- indications for diaphragm pacing
- pros and cons of diaphragm pacing in various specific disorders

**Anticipated Practice Outcomes**

**Participants will be able**

to apply gained knowledge on current diagnostic and management tools for neuromuscular diseases (NMD), to better understand prognosis with modern management tools, and be able to manage their patients by more appropriately prescribing relevant tests, therapies and judicious referrals.

**We look forward to seeing you May 31, 2019 at Wiselberg Seminar  
MUHC Glen Site: 1001 Decarie Blvd, Montreal QC H4A 3J1**

2019 Wiselberg Seminar Organizing Committee  
Basil Petrof, Director, Meakins-Christie Laboratories, McGill University  
Marta Kaminska, Medical Director, Quebec National Program for  
Home Ventilatory Assistance



## McGill University Health Centre Adult Respiratory Medicine



### 32nd Annual Doctor Dorothy Wiselberg Seminar Neuromuscular Disorders and Respiration May 31, 2019 : 8AM – 4PM

McGill University Health Centre-Glen Site: Cruess Amphitheatre ES1-1129  
1001 Decarie Blvd, Montreal QC H4A 3J1

- 08:00 Registration & Coffee
- 08:25 WELCOME AND INTRODUCTION

#### NEUROMUSCULAR PRIMER FOR THE RESPIROLOGIST

- 08:30 Muscle biopsy, blood tests and genetics: What does the respirologist need to know?  
Erin O'Ferrall, Montreal Neurological Hospital, Montreal QC
- 09:00 What's new and hot in treatment of neuromuscular diseases: ALS, SMA, DMD, etc.  
Angela Genge, Montreal Neurological Hospital, Montreal QC
- 09:30 Swallowing dysfunction and aspiration prevention in neuromuscular disorders  
Catriona M. Steele, Toronto Rehabilitation Institute-University Health Network, Toronto ON
- 10:00 BREAK

#### HOME MECHANICAL VENTILATION (HMV)

- 10:20 WISELBERG LECTURE: Home Mechanical Ventilation - History, current and future use of a major medical breakthrough**  
Anita Simonds, Royal Brompton & Harefield NHS Foundation Trust, London UK
- 11:20 Practical aspects of HMV – Interpreting downloads and adjusting settings  
Lisa Wolfe, Northwestern University, Chicago IL
- 11:55 Not just nocturnal ventilation - Lung volume recruitment, airway clearance and mouthpiece ventilation  
Doug McKim, The Ottawa Hospital, Ottawa ON
- 12:30 LUNCH

#### THE DIAPHRAGM IN THE ICU AND BEYOND

- 13:45 Phrenic nerve and EMG studies in the diagnosis of diaphragm paralysis  
Daniel Gendron, Montreal Neurological Hospital, Montreal QC
- 14:15 Diaphragm dysfunction in critical illness  
Basil Petrof, Meakins-Christie Laboratories, Montreal QC
- 14:45 Diaphragm pacing: Physiology and clinical applications  
Anthony DiMarco, Case Western Reserve University, Cleveland OH
- 15:15 The emerging role of diaphragm ultrasound  
Bruno-Pierre Dubé, University of Montreal, Montreal QC
- 15:45 CONCLUDING REMARKS

Seminar is free but **registration is required:** <http://fourwav.es/Wiselberg2019>

Information: 514-934-1934 ext. 32153