6th Annual Montreal Oscillometry Summer Seminar

Oscillometry Unit, Centre for Innovative Medicine, and the Meakins-Christie Labs, MUHC-RI
Part I: via Zoom, July 20, 2022, 7:00-9:00 h

7:00 h Ron Dandurand, McGill University, Canada

Welcome to the seminar and Oscillometry anecdotes from the wards and clinic

Discussant: Peter Calverley, University of Liverpool, U.K.

7:20 h Sylvia Verbanck, Vrije Universiteit, Belgium

A new clue about convective flow heterogeneity from MBW modelling: can this be verified by oscillometry?

Discussant: Jason Bates, University of Vermont, U.S.A.

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Fitting a branching airway tree model to Zrs

Discussant: Jeff Fredberg, Harvard School of Public Health, U.S.A

8:00 h Davide Bizzotto, Politecnico di Milano, Italy

Validation of novel small, handheld, turbine-based oscillometry device

Discussant: Jason Bates, University of Vermont, U.S.A.

8:20 h Sam Bayat, Université Grenoble Alpes, France

Tidal change in respiratory resistance is associated with a history of asthma diagnosis and wheezing in 3-year-old children: the SEPAGES cohort

Discussant: Shannon Simpson, Curtin University, Australia

8:40 h Geoff Maksym, Dalhousie University, Canada

Saving time and getting better data – reducing variability and improving feasibility and accuracy in oscillometry

Discussants: Zoltan Hantos, Semmelweis University, Budapest, Hungary

6th Annual Montreal Oscillometry Summer Seminar

Oscillometry Unit, Centre for Innovative Medicine, and the Meakins-Christie Labs, MUHC-RI
Part II: via Zoom, July 27, 2022, 7:00-9:00 h

7:00 h Ron Dandurand, McGill University, Canada

Welcome back to the seminar

7:01 h Chung-Wai Chow, University of Toronto, Canada

Stretching the limits of oscillometry in ILD

Discussant: Peter Sly, Deakin University, Australia

7:20 h Ramon Farre, University of Barcelona, Spain

Measuring intra-subject changes in respiratory mechanics by oscillometry: impedance vs. admittance

Discussant: Raffaele Dellaca, Politecnico di Milano, Italy

7:40 h Laura Gochicoa, Instituto Nacional de Enfermedades Respiratorias, Mexico

A novel procedure for developing a single oscillometry reference equation for 3-93 years old subjects

Discussant: Claude Farah, University of Sydney, Australia

8:00 h Ivan Cherrez-Ojeda, Espiritu Santo University, Ecuador

Oscillometry in post-COVID-19 subjects

Discussant: Chung-Wai Chow, University of Toronto, Canada

8:40 Lennart Lundblad, McGill University, Canada

TBA

Discussant: Ynuk Bossé Université Laval, Canada

8:40 h Sundeep Salvi, Pulmocare Research and Education (PURE) Foundation, India

The ARISE Network: The Potential for the Deployment of the Oscillometry Network in the Indian Sub-Continent.

Discussant: Ron Dandurand, McGill University, Canada

6th Annual Montreal Oscillometry Summer Seminar

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Part III: via Zoom, August 3, 2022, 7:00-9:00 h

7:00 h Ron Dandurand, McGill University, Canada

Welcome back, yet again, to the seminar

7:01 h Charl Verwey, University of the Witwatersrand, South Africa

Oscillometry after severe RSV LRTI during infancy

Discussant: Dorottya Czovek, Semmelweis University, Budapest, Hungary

7:20 h Dorottya Czovek, Semmelweis University, Budapest, Hungary

Respiratory mechanics and pressure support in children with chronic respiratory failure

Discussant: Peter Moschovis, Harvard Medical School, U.S.A.

7:40 h Tiffany Bradshaw, Telethon Kids Institute, Australia

Detecting reversible airway disease in those born preterm – Which is the best test?

Discussant: Paul Robinson, University of Sydney, Australia

8:00 h Jacob Herrmann, University of Iowa, U.S.A.

Imaging the regional distribution of nonlinear interactions among large-amplitude oscillations in the lungs

Discussant: Geoff Maksym, Dalhousie University, Canada

8:20 h Karen Sidhom, McMaster University, Canada

Respiratory system resistance and reactance following recovery from non-critical COVID-19

Discussant: Laura Gochicoa, Instituto Nacional de Enfermedades Respiratorias, Mexico

8:40 h Katrina Tonga, University of Sydney, Australia

Single lung transplantation for interstitial lung disease is characterized by abnormal reactance on oscillometry: results of a multi-center cross-sectional study

Discussant: Natalie Belousova, University of Toronto, Canada

6th Annual Montreal Oscillometry Summer Seminar

Oscillometry Unit, Centre for Innovative Medicine, and the Meakins-Christie Labs, MUHC-RI
Part IV: via Zoom, August 10, 2022, 7:00-9:00 h

7:00 h Ron Dandurand, McGill University, Canada

Welcome back to the seminar…again, again and yet, again!

7:01 h Francine Ducharme, Université de Montréal, Canada

Pediatric reference values for respiratory sinusoidal oscillometry in children aged 3 to 17 years: analytic challenges

Discussant: Diane Gray, University of Cape Town, South Africa

7:20 h Heather Boas, Children's Hospital of Philadelphia, U.S.A.

AOS and iOS in normal children: Is all oscillometry the same?"

Discussant: Larry Lands, McGill University, Canada

7:40 h David Kaminsky, University of Vermont, U.S.A.

Longitudinal COVID study

Discussant: Laura Gochicoa, Instituto Nacional de Enfermedades Respiratorias, Mexico

8:00 h Andy Keymolen, Vrije Universiteit, Belgium

Experimental validation study of a blower based mechanical ventilation device with oscillometric capabilities

Discussant: David Kaczka, University of Iowa, U.S.A.

8:20 h Zoltan Hantos, Semmelweis University, Budapest, Hungary

Intra-breath oscillometry at multiple frequencies

Discussant: Geoff Maksym, Dalhousie University, Canada

8:40 h Ron Dandurand, McGill University, Canada

Setting an oscillometry course for the future; What is still missing?

Discussants: David Kaminsky, University of Vermont, U.S.A.
Shannon Simpson, Curtin University, Australia