

11:10 to 11:40 EDT

## **MANAGING COVID-19: AN INTERNATIONAL PERSPECTIVE**

**Presenter: Cesar Bugaoisan, RRT (Philippines)**

### Speaker Biography

**Cesar Bugaoisan** served as President for the Association of Respiratory Care Practitioners in the Philippines from 2009-2015, and since 2015 has acted as the Chairman of the Board of Trustees. He is a Founding Officer of the Respiratory Therapy Academy of Critical Care in the Philippines and Lead Convener of the Philippine Respiratory Therapy Act of 2009 (or R.A. 10024, a legislative measure geared towards professionalization of Respiratory Therapist in the Philippines). He is currently working as a COVID19 Volunteer Respiratory Therapist at the Philippine General Hospital and St. Luke's Medical Center - Global City.

### Learning Objectives

1. To present RT perspectives on COVID19 Care and Management in a low resource setting
2. To describe personal and professional experiences in a pandemic situation
3. To share experiences in a pandemic situation aggravated by natural disasters
4. To provide learnings and reflection points in a post-normal/post pandemic world

11:45 to 12:00 EDT (this session spans both streams)

## **HOW EFFECTIVE ARE NEXT GENERATION VIDEO LARYNGOSCOPES FOR ROUTINE INTUBATIONS?**

**Presenter: Kathleen Craig**

*Industry Education Session by Medtronic*

### Speaker Biography

TBD

### Learning Objectives

TBD

12:05 to 12:35 EDT

## **RESPIRATORY CARE: LEADING PRACTICE EXCELLENCE THROUGH COVID**

**Presenter: Lindsay Martinek, BA.Hon, RRT, MHS**

### Speaker Biography

**Lindsay Martinek** graduated from the University of Guelph with a BAHon and went on to study Respiratory Therapy at the Michener Institute in 2001. She graduated from Michener in 2004 and began her RT career at Sickkids in Toronto, in the ED and NICU. She got a Masters in Health Leadership in 2011 and moved to Toronto East Health Network in 2012 where she became the Manager of Interprofessional Practice responsible for the allied health disciplines. In 2018, she became the Director Professional Practice and is responsible for allied health, nursing practice, and academic partnerships hospital wide. She is a mom of 2 and enjoys skiing, camping, and watching her kids in their competitive sports.

### Learning Objectives

1. To discuss the implementation of the Respiratory Care Committee, members, terms of reference and committee mandate
2. To understand the impact of the committee in leading hospital wide respiratory practice - standardization, implementation, and education in the midst of a pandemic
3. To discuss change management process adaptations used for success, in rapidly changing and evolving times
4. To understand the partnerships required to successfully lead respiratory practice enterprise wide, during a pandemic significantly impacting global respiratory therapy practice
5. To discuss the practice change bulletin communication/education tools used to rapidly adjust practice as the pandemic evolved

12:50 to 13:50 EDT

## **OXYGEN THERAPY: A NEW PARADIGM A CENTURY IN THE MAKING**

**Presenter: Dr. Mathieu Simon**

*Industry Education Session by Novus*

### Speaker Biography

**Dr Mathieu Simon** was initially trained as a respirologist. Since completing his critical care fellowship in Vancouver in 2001, he is head of critical care medicine in IUCPQ, the largest heart and lung institute in Canada. He serves as medical director of the RT service and, as associated professor at Université Laval, his leading the development of a bachelor's degree in RT. Dr Simon has been involved in the ideation and the clinical development of FreeO2, a major innovation in oxygen delivery systems.

### Learning Objectives

1. Appreciate the evolution of oxygen therapy over the past decades.
2. Incorporate AI in your practice.
3. Focus on added-value intervention in human resources dependent system.

13:55 to 14:25 EDT

## **MECHANICAL VENTILATION IN THE TIME OF COVID-19**

**Presenter: Thomas Piraino, RRT, FCSRT, FAARC**

*Session Sponsored by Merck*

### Speaker Biography

**Thomas Piraino** is a Registered Respiratory Therapist working at Kingston General Hospital in Ontario, and a Research Coordinator at St. Michael's Hospital in Toronto working with Dr. Laurent Brochard. He is also a Lecturer (Adjunct) for the Department of Anesthesia, Division of Critical Care at McMaster University, and is currently completing a MSc in Epidemiology. During the first wave of the COVID-19 pandemic he co-created a course on "Mechanical Ventilation for COVID-19" for Harvard EdX which more than 290,000 people enrolled to take the course. He also held nightly education sessions on Facebook live to help alleviate some of the stress RTs were feeling over the pandemic.

### Learning Objectives

1. To present the global discussions that impacted management of severe COVID-19 treatment.
2. To describe the benefits of increased interest in mechanical ventilation

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3. To encourage best evidence based practice
4. To highlight the impact Respiratory Therapists have in the time of a global respiratory pandemic

14:40 to 15:25 EDT

## PANDEMIC VENTILATORS: A PANEL DISCUSSION

**Panelists: Yvonne Drasovean, RRT, BSc, Med, FCRST; Mark Rimkus, RRT, P.Eng; Patty Wickson, RRT, FCSRT, PDBM, MBA**

### Speaker Biography

**Yvonne Drasovean** graduated from the University of Western Ontario with a BSc in Biology in 2000, followed by an Advanced Diploma in Respiratory Therapy in 2003 and a MEd in Adult Education from Yorkville University in 2016. She is currently a full-time professor at Fanshawe College, London, Ontario, since 2013 and a casual bedside RRT at London Health Sciences Center.

### Learning Objectives

1. To discuss Respiratory Therapists' participation in crowdsourcing to solve problems associated with COVID 19
2. To demonstrate the commitment of Respiratory Therapists to advocate for the profession and leadership in medical innovation
3. To discuss the role of Respiratory Therapists in inter-professional practice
4. To discuss the importance of consulting Respiratory Therapists in procurement strategies particularly with respect to efforts for emergency manufacturing of ventilators

### Speaker Biography

In his 28-year respiratory therapy career, **Mark Rimkus** blended many hours of clinical experience in NICU/PICU, Pediatric and Neonatal physician-less transport, ECLS Primer with an electrical engineering degree picked up along the way to become an expert in applied risk analysis, safety investigations, and equipment troubleshooting and testing. Recently, Mark was part of a small RRT-led team put together by Alberta Health Services that collaborated with pandemic ventilator design teams, and he carried the responsibility of formulating a testing and risk assessment plan for these potential emergency pandemic ventilators.

### Learning Objectives

1. To learn about the multitude of emergency pandemic ventilators that emerged during the COVID-19 pandemic
2. To understand common modes and specifications
3. To understand the gaps between these ventilators and standard ICU ventilators
4. To explore professional and ethical issues with using these ventilators on patients in a pandemic setting

### Speaker Biography

**Patty Wickson** is the Executive Director, Innovation Evidence Evaluation & Impact for Alberta Health Services. Her role encompasses leading teams with skill in innovation, evidence, health economics, evaluation, and knowledge management within Alberta to execute on various aspects of the AHS health and business plan. Patty graduated from Respiratory Therapy in 1991 and completed her Post Baccalaureate Diploma in Management and Executive MBA through Athabasca University in 2014. She has significant health care experience including management, leadership, mentorship, clinical, operational, strategic, quality improvement, stakeholder and patient engagement in her 28-year career journey.

### Learning Objectives

1. To learn about a high-level approach to facilitating pandemic ventilator design

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2. To understand the unique skills that Respiratory Therapists can provide to a pandemic response plan
3. To learn about the potential impact of inter-Provincial collaboration with pandemic equipment evaluation
4. To learn issues surrounding interim order pandemic ventilator usage

15:30 to 15:45 EDT (this session spans both streams)

## **ALPHA-1 ANTITRYPSIN DEFICIENCY (AATD); WHO TO TEST AND WHY?**

**Presenter: Dr. Christopher Davis**

*Industry Education Session by Grifols*

### Speaker Biography

**Dr. Davis** completed his undergraduate medical degree at the University of Toronto in 2013. He then completed his residency in Internal Medicine at the University of Western Ontario in 2016, and his fellowship in Respirology at Queens University in 2018. He is now appointed as an adjunct professor with the Queen's School of Medicine and has hospital privileges at Kingston Health Sciences Center. He also has recently added clinical duties at Lennox and Addington County General Hospital in Napanee.

### Learning Objectives

The presentation will cover the following aspects related to AATD: pathophysiology, genetics, CTS Guidelines for testing and treatment options

15:50 to 16:35 EDT (this session spans both streams)

## **THE FROG FACTOR**

**Keynote Presenter: Sarah McVanel, CSODP, PCC, CHRL**

We all have more potential, more extraordinary possibilities than we ever imagined. By asking tough questions and sharing powerful truths, Sarah McVanel helps individuals and organizations discover their greatness and then use that greatness to improve themselves, their workplace and their bottom line.

Sarah knows a little something about asking tough questions. After earning degrees in Psychology, Family Relations and Organizational Development...and then climbing the corporate ladder in a multi-million-dollar organization...at age 38 she quit her job, sold her house, moved her family and reinvented herself. Now, her boutique consulting firm 'Greatness Magnified' helps clients across North America discover their potential, their purpose and their passion and to implement clear and effective growth strategies.

Sarah's insights into how to harness the greatness within yourself and your organization will inspire, challenge and focus you...and leave you with a powerful new understanding of your work, your colleagues and your life!

16:40 to 18:10 EDT (this event spans both streams)

## **RT OLYMPICS: GAME SHOW EDITION**

Join us for an interactive experience for contestants and audience alike! There will be fun, food, and great prizes up for grabs. Let's see how well you know what really makes RTs tick...

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