



10:50 to 11:05 EDT (this session spans both streams)

A THANK YOU MESSAGE FOR THE RT COMMUNITY FROM TRUDELL HEALTH SOLUTIONS

Presenters: Trudell Health Solutions

Industry Education Session by Trudell Healthcare Solutions

11:10 to 11:40 EDT

VIRTUAL MASK FITTING IN PEDIATRIC PATIENTS DURING COVID-19

Presenter: Tuyen Tran, HBSc, RRT

Speaker Biography

Tuyen Tran completed a HBSc in Biology at McMaster University in Hamilton. She then completed her respiratory therapy program at the Michener Institute in 2000. During her 20-year career at Sick Kids in the Critical Care Unit, her clinical positions included being a clinical instructor, an ECMO specialist, and a bedside RT. Currently, she is dividing her time working in the Long-term ventilation clinic and the CCU.

Learning Objectives

1. To learn how to mask fit a pediatric patient virtually
2. To provide caregivers and patients education (masks, BiPAP, cleaning, etc.,) through virtually clinic appointments

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

PUTTING THE PATIENT FIRST. A COMPLETE HOME MONITORING SOLUTION, WITH LAB QUALITY SPIROMETRY

Presenter: Michael Taylor; Alex Stenzler

Industry Education Session by Novus Medical

Speaker Biography

Monitored Therapeutics Inc. Chief Executive Officer **Michael Taylor** has over 20 years of experience working for medical device companies and was the former Senior Director, Healthcare Solutions at eResearch Technology (ERT). Prior to ERT he held multiple Director level roles at VIASYS, Cardinal Health and CareFusion.

Speaker Biography

Chief Science Officer **Alex Stenzler** is the former VP Advanced Technologies for CareFusion Inc., (formerly VIASYS, Cardinal Health). He is a Senior Executive with over 30 years of clinical experience in pulmonary medicine and holds over 40 US patents.

Learning Objectives

Please join us to learn about a home monitoring solution that does it all, AND has lab quality spirometry. Get messages when patients fall outside the limits you set. Send messages to your patient to take a med. They can use their own phone, or you can provide a device locked down. Very flexible and very powerful, yet very

affordable. We hope you can take the time to join us, and after the video you are also welcome to join us in the Novus Medical/ Thoracic Park Lounge to learn more and ask questions.

12:05 to 12:35 EDT

ARE YOU TIRED OF COVID-19 YET? HAVE SLEEP DIAGNOSTICS CHANGED?

Presenter: Aaron Ladd, MEd, RRT, FCSRT, CRE, CTE, CTTS

Speaker Biography

Aaron Ladd has been a Respiratory Therapist for 17 years, currently working in sleep diagnostics and therapeutics with Careica Health. Through his professional career, he has dedicated much of his time and energy in the field of education both for patients and other healthcare providers. Aaron received his Master of Education from Memorial University. He sits on the certification management committee and the exam development committee for the CNRC, actively participating in CRE curriculum development and the creation and assessment of psychometric and evaluations. His primary focus is in chronic disease management and care in sleep, COPD, asthma and tobacco cessation.

Learning Objectives

1. Identify the primary risks and concerns of COVID-19 and sleep diagnosis and therapy
2. Describe the current basic AASM/CTS recommendations, and how they have evolved
3. Explain the best the current practice for safety, and potential options for protecting clinicians and patients
4. Discuss potential novel ideas in continuing care in a challenging environment
5. List the potential benefits of shifting toward alternative forms of home testing and level 2 studies

12:50 to 13:50 EDT

INDIVIDUALIZED LUNG PROTECTION

Presenter: Sonia Larouche, RRT, Clinical Team Manager, BOMImed

Industry Education Session by BOMImed

Speaker Biography

Sonia Larouche has been a registered respiratory therapist in Quebec for over 20 years, also teaching ventilation in RT college. She now works as lead clinical specialist for BOMImed. Her focus is on adult ventilation and lung protection.

Learning Objectives

1. Review lung protection principles and why it should be individualized to each patient
2. Define how it can be individualized through automatization
3. Introduction to the concept of intelligent ventilation

13:55 to 14:25 EDT

COVID-19 VIRTUAL CARE INNOVATION IN HOME MECHANICAL VENTILATION IN ONTARIO: LONG-TERM IN-HOME VENTILATOR ENGAGEMENT (LIVE) PROGRAM

Presenter: Reshma Amin MD, FRCPC, MSc

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Speaker Biography

Dr Reshma Amin is the Director of Sleep Medicine and Long-term Ventilation at the Hospital for Sick Children, Toronto, Canada. She is a Senior Associate Scientist at the SickKids Research Institute. She is also an Associate Professor at the University of Toronto. Her clinical and research interests are innovations for care and health service delivery for children at risk for or requiring long-term ventilation.

Learning Objectives

1. To discuss the provincial roll-out and implementation of the Long-Term, In-home Ventilator Engagement (LIVE) program during the COVID-19 pandemic
2. To learn how children and adults using HMV are an ideal population for virtual care during the pandemic due to their medical complexity and fragility necessitating the need to bring ventilator experts into the homes of HMV users

14:40 to 15:25 EDT

VIRTUAL CARE - THE FUTURE: A PANEL DISCUSSION

Panelists: Bryan Buell, RRT, BGS; Dr. Ewan Affleck, MD; Francine Buchanan

Speaker Biography

Bryan Buell has been practicing respiratory therapy for 43 years in a variety of clinical, educational, administrative and regulatory positions. He is currently the Executive Director and Registrar for the respiratory therapy regulatory body in Alberta. A lifelong learner, he has attended, Southern Alberta Institute of Technology, Simon Fraser University, University of Saskatchewan and Harvard College to receive education and apply it throughout his career. He has been the recipient of a number of outstanding service awards most notably one of the 50 most inspirational science alumni from Simon Fraser University in 2016.

Learning objectives

1. Does virtual care provide patient care opportunities and barriers?
2. What are the potential pitfalls to professional practice for caregivers?
3. Just because we can provide virtual care, should we?

Speaker Biography

A graduate of the McGill School of Medicine, and Dalhousie University where he studied history, **Ewan Affleck** has worked and lived in northern Canada since 1992. He is currently serving as the Senior Medical Advisor - Health Informatics, College of Physicians & Surgeons of Alberta, and is a member of the Federal Expert Working Group on Virtual Care, and Chair of the Alberta Virtual Care Working Group and the national Task Team on Equity in Virtual Care. In 2013, he was appointed to the Order of Canada for his contribution to northern health care.

Learning Objectives

Virtual care is a clinical tool or modality of service that has the potential to both improve or compromise the quality of care. Health care providers must become literate in the use of virtual care to assure its appropriate application.

Speaker Biography

Francine Buchanan is the mother to an amazing little boy named Cristiano who spent his first 500 days of life in a Paediatric ICU. Discharged home trached and vented 24/7, Cristiano now inspires Francine to improve the healthcare experience for caregivers of medically complex kids and their families. Francine is currently a PhD candidate at the University of Toronto completing her thesis on Shared Decision Making as well as the Family Engagement Co-Ordinator for Research at SickKids Hospital in Toronto. Most recently, Francine is the parent co-

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investigator on a CIHR funded RCT looking at how to support the transition home for patients using Long Term Mechanical Ventilation with virtual care.

Learning Objectives

1. Learn the value of the patient and family perspective when designing and implementing virtual care solutions
2. Learn how the patient and family perspective can shape the delivery of solutions, and
3. Highlight the challenges with engaging patients and families in the designing process

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

PATIENT AMBASSADOR PROGRAM FOR CHRONIC COUGH

Presenter: Mitchell Silva, PhD

Industry Education Session by Merck

Speaker Biography

Mitchell Silva is a patient expert who turned his passion of patient empowerment and technology into a profession. Based on his experience by working with various stakeholders in the health system, Mitchell co-authored a book on patient engagement for the life science industry. He also is a patient expert, participating in and organising patient partnership programs aiming at including patient input during the design phase of new services or medicines for patients. He has a PhD in bio-engineering from the KULeuven, Belgium.

Learning Objectives

The Chronic Cough Patient Ambassador Program is an online program for patients or caregivers with CRC to understand more about the impact of patient ambassadors on different levels in the healthcare landscape, as well as understanding CRC better.

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

THE PANDEMIC'S SILVER LINING: A VIRTUAL CARE REVOLUTION IN RESPIRATORY MEDICINE

Keynote Presenter: Dr. Samir Gupta

Speaker Biography

Dr. Samir Gupta is a respirologist and clinician-scientist at the Li Ka Shing Knowledge Institute of St. Michael's Hospital, an Associate Professor in the Department of Medicine at the University of Toronto, and a popular CBC medical correspondent.

After years of tentative and incremental progress towards more patient-friendly models of care that leverage technology, the SARS-CoV-2 pandemic has been an unprecedented catalyst for accelerating uptake of digital healthcare technologies across medicine. Virtual care has been adopted in respiratory medicine as it has in other disciplines, and limitations in pulmonary function testing capacity have accelerated the adoption of home-based lung function monitoring technologies. However, this unique requirement to monitor lung function, particularly in asthma and COPD, presents a specific challenge to virtual chronic disease management in respiratory medicine. In this talk, we will discuss emerging strategies for virtual management of the respiratory patient, with a focus on airways diseases. This will include technologies for remote lung function monitoring and the role of mobile health apps, smart devices, and wearables for disease monitoring and rehabilitation. We will also address emerging provider- and patient-facing technology for optimizing care and enabling patient self-management both efficiently and virtually.

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LET'S GET SOCIAL

We know you've missed connecting with your friends and colleagues, and the CSRT wants to give you the time and space you need to get social. Grab a drink, a snack and make plans to enjoy this open time with your peers – the CSRT's virtual platform will be the perfect spot to facilitate your conversations.