



11:10 to 11:40 EDT

ULTRASOUND USE IN TRANSPORT: AN RRT PERSPECTIVE

Presenter: Brad Colter, RRT

Speaker Biography

Brad Colter has done rotational work as a flight RRT in Canada's northern territory of Nunavut since spring 2017, assisting in medevacs from its remote communities to Southern tertiary care centres. He has also worked in the Calgary area since 2011, currently at the Alberta Children's Hospital. Brad resides in Cochrane, Alberta with his wife and 4 children.

Learning Objectives

1. To discuss the RRT's role in patient assessment using Point-of-Care Ultrasound as a diagnostic tool in the transport environment with intervention and stabilisation of the patient, while improving patient care overall
2. To review uses of ultrasound in the transport environment (i.e., rural setting stabilisation of the patient, and transport to a receiving facility), especially related to RRT scope of practice
3. Identifying certain pathologies and interventions, (i.e., pneumothorax)

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

HOME BASED ACUTE CARE: WHAT IS THIS & WHO DOES IT?

Presenter: Lesly Deuchar, MN

Speaker Biography

Lesly Deuchar is a healthcare professional with a special interest in how health systems are structured to meet the needs of constituents. Within the Edmonton Zone, Lesly leads the development of the Edmonton Zone Virtual Hospital. Working closely with operational teams throughout the Edmonton Zone (acute, community and primary care); Lesly is able to drive the care integration that is necessary for innovations in care. Provincially, Lesly has employed a system integration lens to support improvements in the care provided to individuals living with complexity and co-morbidities, specifically at vulnerable junctures in their healthcare journey.

Learning Objectives

1. To provide an overview of the development and operationalization of the EZ Virtual Hospital model
2. To review the EZVH model, interventions, and streams of care
3. To discuss the spread of the service delivery model
4. To discuss the opportunities for RRT's within the EZVH

12:50 to 13:50 EDT

OESOPHAGEAL AND TRANSPULMONARY PRESSURE: PHYSIOLOGY AND CLINICAL APPLICATIONS

Presenter: Dr. Tommaso Mauri

Industry Education Session by Draeger

Speaker Biography

After having been fellow at the Dept. of Anesthesia and Critical Care, Massachusetts General Hospital and Harvard Medical School in Boston from 2007 to 2008, **Dr. Tommaso Mauri** was a staff anesthesiologist and researcher at the Dept. of Anesthesia, San Gerardo Hospital at the University of Milan-Bicocca, Italy from 2008 to 2014. Next, Dr Mauri moved to be assistant professor and staff physician in the general ICU of the Dept. of Anesthesia for transplants and Critical Care of the University of Milan, Italy. Dr Mauri has published in peer reviewed journals and authored chapters in many books on critical care topics including respiratory physiology, mechanical ventilation, electrical impedance tomography applications, cardiac arrest, infections and ECMO.

Learning Objectives

1. Understand the physiological rationale for measuring oesophageal and transpulmonary pressure
2. Learn the bedside methodology to perform measure of these pressures
3. Learn the clinical indications for monitoring of esophageal pressure
4. Learn esophageal pressure-guided respiratory support

13:55 to 14:25 EDT

OPTIMIZING VENTILATION IN THE RURAL ED

Presenters: Rena Sorensen, RRT, CAE, MSc, FCSRT; Roberta Dubois, RRT, MA, FCSRT

Speaker Biography

Rena Sorensen is the Professional Practice Lead for Rural Community Respiratory Therapists in central zone with Alberta Health Services. Rena practiced as a frontline therapist for over a decade in ICU, Emergency, acute care as well as community care. After getting her Masters in Respiratory Science, Rena has spent the last decade in leadership in the non-profit realm and now back with the public health system. She has a passion for stakeholder engagement and knowledge translation, specifically in the rural setting. Rena lives on a farm and you will find her with her husband and 2 kids on the ski hill in the winter, and in her vegetable garden in the summer.

Speaker Biography

Roberta Dubois is the Provincial Practice Director for Respiratory Therapy in Alberta Health Services. Roberta is a Registered Respiratory Therapist. She earned her Respiratory Therapist credential from the Northern Alberta Institute of Technology and her Master of Arts in Health from Royal Roads University. Roberta is a Surveyor with Accreditation Canada and a Fellow of the Canadian Society of Respiratory Therapists. She has over 20 years of clinical experience, primarily in critical care and home care. Her leadership experience spans the healthcare continuum in operations and practice. Main areas of interest are practice excellence, collaborative leadership, and value-based healthcare.

Evolutions in RT Practice - Wednesday, May 5, 2021

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Learning Objectives

1. To explore an RRT-led initiative to safely and appropriately provide short term invasive and non-invasive ventilation interventions in rural EDs
2. To understand a risk-based approach to rural ventilation
3. To understand a virtual support model for rural ventilation

14:40 to 15:25 EDT

INTERPROFESSIONAL PRACTICE IN RESPIRATORY CARE

Presenters: Nurudeen Amusat, PT, DPT, MRSc, Cert. MDT, C/NDT, CAFCI, CGIMS; Jessica DeMars, PT; Elizabeth MacGillivray, RRT, BPhEd

Speaker Biography

Nurudeen Amusat, popular referred to as Deen, works for Covenant Health St Joseph's General Hospital in Vegreville, Alberta as a physiotherapist. He worked at the Stroke and Geriatric Empowerment (SAGE) unit of the Two Hills Health Centre, Two Hills, Alberta since 2002. He obtained his Bachelor's at the University of Ibadan, Nigeria in 1994, Master of Rehabilitation Science at the University of Alberta, Edmonton in 2007, and DPT at the Arizona School Health Sciences, A.T Still University, Arizona, USA, in 2015. Deen also owns and operates a private PT clinic, Cardinal Rehabilitation, in Vegreville, Alberta.

Learning Objectives

1. To discuss the correlation of the pathophysiology of stroke and respiratory disorders mainly COPD, atelectasis, and sleep-disordered breathing
2. To learn different respiratory interventions that can be applied to Post-stroke clients in the SAGE unit through case studies
3. To provide insights and recommendations for future roles of Respiratory Therapists and application of respiratory diagnostics, treatments, and interventions in the SAGE unit

Speaker Biography

Jessica DeMars graduated from the University of Alberta in 1998 with a Bachelor of Science in Physical Therapy (with distinction). Working in private practice, she discovered the importance of connecting breathing to health around 2006, and since that time has dedicated her practice to integrating breathing retraining into a variety of populations with a specific focus on respiratory diseases. She has taken numerous post-graduate level courses in this regard and has also participated in a few research projects. She obtained a web-based Masters of Science in Applied Breathing Sciences, in 2015, and is also the Canadian Instructor of the New Zealand based BradCliff Breathing Method.

Learning Objectives

1. To review diaphragm dysfunction and its impact on respiratory health
2. To review the latest evidence of inspiratory muscle training in respiratory conditions (from critical care to chronic disease)
3. To learn about the relevance of inspiratory muscle training in respiratory disease management
4. To review perceived barriers to implementation

Speaker Biography

Elizabeth MacGillivray has been working as a RRT for 20 years for Horizon Health in Saint John, NB specializing in acute and critical care. She has recently taken on the challenge of co-coordinating a student infused, community-based pulmonary rehabilitation program at the New Brunswick Community College.

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Learning Objectives

1. To briefly describe the student-infused PR clinic
2. To briefly describe the variety of disciplines and how each discipline fits into the clinic and has a unique perspective to bring to the project.

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 Respiriology 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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