



Objectives for Presentations

Thursday

Sixty Years of Mechanical Ventilation in the Treatment of ARDS: What Lessons Should We Have Learned and Where Might We Be in 2042?

At the end of this presentation the participant should be able to:

1. Explain why large tidal volume ventilation was widely used to manage critically-ill patients until the early 2000's.
2. Describe the origins of the myth that PEEP "cures" or "prevents" ARDS.
3. Describe the origins of gradual weaning practices from the 1970s and explain why spontaneous breathing trials are more effective.
4. Discuss how "computational intelligence" will likely be used in managing ARDS in the coming decades.

Early Assessment for Seizure Activity --a Developing role for RT's

1. Identify the clinical importance of early detection and treatment of seizures.
2. Identify the financial importance of early detection and treatment of seizures.
3. Identify the clinical importance of ruling out seizures early.
4. Identify the financial importance of ruling out seizures early.

Outbreaks, Emerging Threats and other Infection Prevention Nightmares...

1. The listener will develop a better understanding of outbreak situations and the behind-the-scenes workings associated with them.
2. Attendees will be able to identify emerging threats.
3. Attendees will develop the knowledge base to assist them in identifying areas of particular interest regarding emerging threats and diseases.
4. Listeners will develop an understanding of ventilator associated and non-ventilator associated pneumonia prevention.

Sequelae of SARS CoV-2 Infection, PASC (Long COVID)

1. What is Post-Acute Sequelae of SARS CoV-2 Infection, PASC?
2. What are the risk factors for PASC?
3. What are the symptoms of PASC?
4. What are the treatments of PASC?

Cardiogenic Shock: Can new Hemodynamic Measurements help RT's Treat Patients?

1. The participant will be able to describe the hemodynamic criterion of cardiogenic shock
2. The participant will be able to differentiate primary right side vs. left side cardiogenic shock based on hemodynamics
3. The participant will be able to describe the significance of Cardiac Power Output (CPO) and Pulmonary Arterial Pulsatility Index (PAPi) for patients in cardiogenic shock



Managing PRVC and Air Hunger

1. The participant will be able to describe history of PRVC
2. The participant will be able to describe what the present day PRVC looks like
3. The participant will be able to describe how to treat your air hungry patient

Hemodynamics: What every RT should know about Systemic Arterial Waveforms

1. The participant will be able to identify the components of the normal invasive systemic arterial pressure waveform
2. The participant will be able to describe changes in the systemic arterial pressure waveform due to arrhythmias
3. The participant will be able to identify abnormal systemic arterial waveforms including pulsus magnus, Pulsus parvus, pulsus tardus, pulsus paradoxus, pulsus alternans, pulsus bisferens

Difficult Airway Management and Considerations for Intubation in CoVID-19

At the conclusion of this presentation the Learners will be able to:

1. Discuss preparations for ICU Intubations.
2. Formulate a plan for Urgent Intubations in the ICU.
3. Describe ways to minimize aerosol risks in ICU Intubations



Friday

Aerosol Generating Procedures, Respiratory Support, and Virus Transmission--what did we learn from the COVID-19 pandemic?

1. The participants will be able to list the aerosol-generating procedures and the risks relative to HFNC, NIV, airway procedures compared to the patient's own cough;
2. The participants will be able to describe the effective mitigation strategies for the procedures that have high risk of aerosol transmission.

Awake prone positioning for non-intubated patients with COVID-19-related acute hypoxemic respiratory failure

1. The participants will be able to describe the effects of awake prone positioning for patients with COVID-19 induced acute hypoxemic respiratory failure;
2. The participants will be able to illustrate the influential factors on the treatment success of awake prone positioning.

Navigating Your Moral Compass

1. Develop a moral compass to navigate ethical dilemmas
2. Describe the obligations the RT plays toward patients, the healthcare industry, and themselves

Burnout: Recognizing Moments for Better Impact

1. Identify the impact RTs have on patients
2. Recognize key moments that can mitigate burnout

PTSD in Healthcare

At the end of this presentation, participants will be able to :

1. Identify the difference between Posttraumatic Stress Disorder and Secondary Trauma.
2. Identify risk factors that may lead to the development of Secondary Trauma.

"Vaping-Yeah It's Still a Thing"

1. The learner will recognize the Demographic usage of Vaping especially in pediatrics
2. The learner will become familiar with EVALI/VALI Cases that occurred just before COVID Pandemic hit
3. The learner will review slides on Vaping and Asthma for historical context
4. The learner will be exposed to a brief overview of new literature on the Pulmonary issues of Marijuana and the systems adversely effected



FL Laws and Rules:

Part I: Managing Respiratory Care Resources from a Pre and Post Pandemic Perspective--*The way we were, how we adapted and a look at the future.*

At the conclusion of this continuing education activity, the participant will be able to:

1. Explain the history of respiratory therapy as a profession. Assess issues related to ethics in the practice of respiratory therapy before and during the COVID-19 Pandemic.
2. Assess the Ethical Issues of Triage, Justice, and Role Duty for Respiratory Therapists, before and during the COVID-19 Pandemic.
3. List the potential for new requirements for continuing education requirements for respiratory therapists under Florida law.
4. Identify the options for RC personnel recruit to adapt to staffing shortages before and during the Pandemic considering the limitations included within Chapter 468, Part V and Chapter 468, Part V, The Respiratory Care Act; and Chapter 64B32 of the Florida Administrative Code.
5. Identify the future considerations for Respiratory Care Education, Licensure, and clinical staffing for respiratory therapists in FL.

Part II: The Florida Respiratory Care Act: The Challenges that Lie Ahead

1. Identify the process for proposing changes to the Florida Respiratory Care Act.
2. Describe challenges in, and advantages of, proposing changes in the Florida Respiratory Care Act.
3. Discuss the role of the Florida Board of Respiratory Care in changes to the Florida Respiratory Care Act.
4. List issues involved in proposals to move to RRT as entry level for state licensing.
5. Describe issues involved in various proposals for advancing the respiratory care baccalaureate in Florida.