

Session Title:**Pulmoneering: Pushing the Boundaries of Physical Therapy with the Complex Pulmonary Patient****Speakers:** Deborah Slay, PT, DPT, CCS & Maxwell Hunter PT, DPT

Session Description: This session offers an in-depth analysis of pulmonary disease via case examples, equipping physical therapists with insights into the management of common conditions such as Acute Respiratory Distress Syndrome (ARDS), pneumonia (PNA), Pulmonary Embolism (PE), or interstitial lung disease (ILD) in critically ill patients. We'll explore the pathophysiological intricacies of each case, examining how these diseases impact respiratory mechanics, gas exchange, and functional capacity. Each case study will highlight the layered complexities in managing ICU patients, from understanding the effects of ECMO to addressing challenges related to mechanical ventilation, sedation, and anxiety in patient management. Attendees will participate in interactive breakout sessions to brainstorm patient-specific considerations, clinical questions, and optimal evaluation techniques. These discussions will guide the formulation of individualized treatment plans, with evidence-based recommendations on PT interventions, emphasizing multidisciplinary collaboration. Through case-based learning and group discussion, participants will gain practical skills to enhance patient care in the ICU, leaving with a refined approach to evaluating and treating pulmonary conditions in critically ill populations.

Q&A

Discussion

Objectives:

1. Understand the pathophysiology of various pulmonary diseases (COPD, ARDS, ILD, pHTN, PE)
2. Synthesize existing literature and clinical practice guidelines to highlight therapy considerations and implications.
3. Apply clinical reasoning to develop individualized evaluation and treatment strategies and plans.
4. Identify strategies to enhance patient outcomes through case-based learning.

What will be the clinician/educator takeaways/skills that can be utilized immediately?

This practical, case-based learning will empower clinicians to better manage their patients with pulmonary diseases, focusing on mitigating common barriers in the ICU setting to enhance functional mobility, quality of life, and exercise tolerance while reviewing pathophysiology and exercise response concepts. Attendees will leave with a deeper understanding of how to translate pulmonary pathology knowledge into clinical practice.

Speaker Bios:

Deb Slay is a Board Certified Clinical Specialist in Cardiovascular and Pulmonary Physical Therapy practicing in the Critical Care Environment at Piedmont Atlanta Hospital. She

received her Bachelor of Science from Bowling Green State University (2015), her DPT degree from University of Miami (2018), and is a graduate of the University of Utah's Cardiovascular and Pulmonary Residency Program (2022). Deb's interests include those with end stage heart and lung disease, and during her time in residency she worked to redefine clamshell precautions and designed a new exercise protocol for those post lung transplantation. She is the Visibility and Awareness Chair for the Academy of CVP PT, has presented nationally, is adjunct faculty for several hybrid programs, and is the Hybrid Lead Instructor at University of Utah for their Cardiopulmonary Course.

Max Hunter PT, DPT and graduate from the University of Utah Acute Care Physical Therapy Residency is originally from Salt Lake City, Utah and received his undergraduate degree in Kinesiology from and Doctorate of Physical Therapy from the University of Utah. After graduating, Max completed the inaugural Acute Care Residency at the University of Utah and has worked at the University Of Utah Hospital in the Cardiovascular ICU since. In addition to his time working within the ICU, Max has also taken on teaching roles as an adjunct instructor for the University of Utah in their entry level DPT program in multiple courses with an applied emphasis on Acute Care and Critical Care PT as well as Early Mobility. He is also a mentor in both the Acute Care and Cardiopulmonary Physical Therapy Residencies. Clinically, Max has taken on the role of therapy staff representative to the pulmonary transplant program and is also a contributing member to the University of Utah's Acute Care Research Consortium

I confirm

References:

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