

Monday, October 6 Sessions			
Time	Session	Description	Objectives
8:00 a.m.	Presidential Address	Update on MSRC and profession issues	
8:15 a.m.	Oxygen, Outcomes, Opportunity: The Expanding Role of RTs	Value RTs bring to the table in all patient care areas/populations and what the future holds.	<ol style="list-style-type: none"> 1. Identify the diverse roles and contributions of respiratory therapists (RTs) across various patient populations and clinical settings, including acute, chronic, and community-based care. 2. Analyze current trends, data, and case examples that demonstrate the value RTs bring to interdisciplinary teams in improving patient outcomes and system efficiency. 3. Explore the evolving scope of respiratory care practice and forecast future opportunities for RTs in emerging technologies, preventative care, and healthcare innovation.
9:15 a.m.	How AI is Reshaping Education and Respiratory Therapy Training	Artificial intelligence—especially generative AI—is transforming how we learn, teach, and train in healthcare. From creating personalized study tools to enhancing clinical simulations, AI is reshaping education in ways we’re only beginning to understand. In this session, we’ll explore the opportunities and challenges of AI in RT training, discuss real-world applications, and equip educators, students, and professionals with the tools to think critically about AI’s evolving role in healthcare.	<p>Following this presentation, participants will be able to:</p> <ul style="list-style-type: none"> -Identify key aspects of generative AI and its applications in education and respiratory therapy training. -Evaluate the benefits and limitations of AI-driven tools in RT education and clinical practice. -Analyze real-world examples of AI in various educational and healthcare settings to critically assess its role and impact.
10:45 a.m.	Supplemental Oxygen Therapy Technology: Explanations and Possibilities	Home respiratory therapy is a critically important sector of the respiratory profession, but the role of the homecare respiratory therapist and their environments are often misunderstood. Supplemental oxygen therapy is one of the most critical services that home care companies provide. Still, the applications and technologies may be less familiar to acute care and outpatient-based clinicians. This lecture will focus on the clinical and technical	<ol style="list-style-type: none"> 1. The learner will understand the current oxygen delivery technology on the market for home use, its general specifications, intended use, and clinical and technical limitations. 2. The learner will understand the scientific basis and methods behind oxygen-conserving devices and recognize the differences in design and function.

		<p>capabilities, limitations, and opportunities of the supplemental oxygen technologies available today. Unlike hospitals, where the 50-psi oxygen supply is available in nearly every room and for any amount of time or liter flow, RTs in homecare sometimes must be creative to meet the oxygen needs of complex pulmonary and cardiac patients at home. They recognize that different stationary and portable devices are critical in ensuring effective supplemental oxygen therapy. A special emphasis will be placed on oxygen-conserving devices, which are still often misunderstood despite decades of use and study.</p>	<p>3. The learner will understand the critical role Respiratory Therapists play in home care, ensuring the safe transition of patients needing supplemental oxygen from hospital to home.</p>
10:45 a.m.	Professionalism for Respiratory Therapists	<p>This presentation will provide leadership tools and skill development for Student Respiratory Therapists, those early in their career or those looking to update their leadership skills. Topics include how to be a professional in today's patient care setting, navigating difficult situations, building strong relationships and why these skills are important to cultivate.</p>	<p>After this session, participants will be able to:</p> <ol style="list-style-type: none"> 1. Define professionalism within the context of respiratory therapy and healthcare delivery. 2. Identify key leadership skills essential for respiratory therapists in the clinical setting, including communication, emotional intelligence, adaptability, and ethical decision-making. 3. Describe how to apply professionalism and leadership in day-to-day patient care, interdisciplinary teamwork, and workplace interactions. 4. Recognize strategies for developing leadership abilities, including building strong professional relationships, and navigating difficult situations with professionalism. 5. Discuss the role of continuing professional development in fostering a culture of accountability, patient advocacy, and high-reliability care.

10:45 a.m.	Awake & Walking ICU	Awake and Walking is new aged critical care medicine that challenges historical clinical care in the ICU to sedate and heal. Awake and walking engages the critical care patient in their care, it decreases delirium, vent days, extended stays and increase recovery!	Discuss a new clinical approach to critical care medicine Describe the steps taken to initiative the change Summarize our journey at Trinity Health Grand Rapids
10:45 a.m.	Pulmonary Rehab Billing Guidelines	Provide education using pulmonary rehab billing codes to maximize reimbursement for all patients following CMS and AACVPR guidelines.	1. Discuss current billing codes currently used for CMS reimbursement. 2. Identify differences in reimbursement among commercial insurances using these in billing codes. 3. Describe patient care services incorporated with each billing code and how they can be used in a pulmonary rehab program.
1:00 p.m.	Pig Heart & Lung Dissection	Participants will experience hands on dissection and examination of lung specimen to obtain a greater understanding of the anatomy and physiology of the lungs and heart.	Identify anatomical structures in the lungs and heart. Compare recruited lung tissue to atelectatic lungs. Compare recruitment of lungs using PEEP vs increased tidal volume.
1:00 p.m.	The Science of a Successful Extubation - An Evidence-Based Review of Mechanical Ventilator Liberation Strategies	Dr. Dayal will review strategies for optimizing the likelihood of a successful extubation, the historical context for risk factors for failure and promising research in the field of ICU liberation.	1. understand the importance of ICU liberation and post intensive care syndrome 2. review evidence on best practices for extubation success 3. learn about promising algorithmic approaches to ventilator liberation
1:00 p.m.	Pre and Post Lung Transplant Requirements from the Transplant Coordinator		
1:00 p.m.	ALS and Mechanical Home Care	Overview of ALS and RT treatments - Specifically discuss types of positive airway pressure, such as Bilevel and CPAP Therapy, pros and cons of mechanical ventilators, life expectancy with ALS, considerations involving tracheostomy and speaking valves	1) Explain what neuromuscular diseases are; ID early intervention and when it's appropriate to start mechanical ventilation; analyze the pros and cons of tracheostomy vs. NIV; allow readers to feel comfortable

2:00 p.m.	Non-Beneficial Treatment: Controversies, Consensus, and Communication	Our presentation will include a case-discussed didactic discussion examining definitions of futility and non-beneficial treatment, the ethics principles involved, and how to communicate appropriate limit setting with patients and families.	Define Futility and non-beneficial treatment Describe the ethical principles involved with determinations of non-beneficial treatment Discuss effective communication strategies when setting limits when patients or their family members request non-beneficial treatment
2:00 p.m.	Nothing is Routine	While some healthcare procedures and treatments can seem routine, the reality is that each patient and situation is unique, and unexpected issues can arise, making true routine care rare. Healthcare professionals must always be adaptable and responsive to the needs of each individual. Through real-life examples, we will illustrate the complexities of providing care in a dynamic environment where routine care can lead to unexpected challenges for tracheostomized patients.	Discuss what makes up a Tracheostomy Team and who/what plays a specific role
2:00 p.m.	A Patient's Perspective on a Lung Transplant	"A Patient's Perspective On Lung Transplant"	Discuss patient safety and quality improvement initiatives