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The New Age of Respiratory Care

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Objectives and Financial Disclosures

1. Review the current state of Respiratory Care from an International viewpoint
2. Review the current state of Respiratory Care from a national perspective
3. Review the current state of Respiratory Care at Children's Colorado
4. Review new innovations currently available or in process

I have no financial disclosures 😊





World Wide Respiratory Care

- Respiratory Therapist vs Physiotherapist
- World Federation of Pediatric Intensive and Critical Care Societies
- International Council for Respiratory Care
- International partnerships for advancement of Respiratory Therapists



National Respiratory Care in the United States



COVID – 19 Pandemic



Respiratory Care At CHCO

- Clinical Practice Transformation
 - Breathe Project
- RT's spreading their wings
 - Research Team
 - Clinical Effectiveness Team
 - Breathing Institute Team
 - Asthma
 - Cystic Fibrosis
 - Clinical Practice Specialists
 - Vice President of Patient Care Services
- Research Involvement
 - Neonatal Extubation Readiness
 - Unplanned Decannulation Prevention Indicators
 - Unplanned Extubation Prevention in the Operating Room
 - Efficacy of NAVA ventilation in the severe Bronchopulmonary Dysplasia population





Respiratory Innovations

- Neurally Adjusted Ventilatory Assist (NAVA)
- Open Lung Tool
- High Frequency Ventilation via Conventional Ventilators
- Nitric Oxide Delivery Devices
- Auto-weaning modes of Ventilation
- Neonatal and Pediatric Endotracheal Tube Fixation Devices
- Home Ventilation Support
 - VOCSN, Astral, Airvo, etc.
- Airway Cuff Measurement Devices
- Smart Inhalers



A close-up photograph of a young child with light skin and blonde hair, wearing black-rimmed glasses. The child is smiling broadly with their mouth open, sticking their tongue out. The background is a soft, out-of-focus yellow. A large blue diagonal shape is overlaid on the left side of the image.

Thank you!



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