

Virtual 37th Annual Conference
Advances in Therapeutics and Technology: Critical Care of Neonates, Children, and Adults
The Cliff Lodge and Spa in Snowbird, UT

Wednesday, MARCH 24, 2021

Time	Title	Speaker
8:00am	Opening remarks	Arun Pramanik, MD Professor of Pediatrics, Louisiana State University School of Medicine
8:15am	Special Lecture <i>Respiratory Syncytial Virus: What is New and Where are we Going</i>	Mitchell Goldstein, MD Director, Neonatal ECMO Professor of Pediatrics, Division of Neonatology, Loma Linda University Children's Hospital
9:10am	Neonatal Resuscitation Workshop: Scenarios with Development of Check Lists with Pre-briefs and De-briefs	Anup Katheria, MD
10:10am	Break	
10:30am	Abstract Presentation Inadvertent High-Frequency Ventilation Associated with High Flow Nasal Cannula and Temperature Variation	Mitchell Goldstein, MD
10:50am	Abstract Presentation <i>Decreasing CPAP Failure in Preterm Infants by Optimizing CPAP and Less invasive Surfactant Administration (LISA)</i>	Venkatakrishna Kakkilaya, MD
11:10am	Electrical Impedance Tomography: Benefits and Limitations	Karel Roubik, PhD
12-1pm	Break: Exhibit Hall Zoom Link: https://zoom.us/j/92004155267?pwd=Y2ZtanZVa3p2VHJQMxJbFZCTGZEZz09	
1:00pm	Special Lecture Long Term Health Outcomes of Oxygen Exposure in Preterm Infants from a Mouse's Perspective	Michael O'Reilly, Ph.D.
2:00pm	Case Scenarios of Special Newborns. How to tell when your evidence based protocol is not likely to work	Donald Null MD, Professor of Pediatrics Director NICU and Neonatal Transport UC Davis Children's Hospital
3:00pm	Break	
3:15pm	Update on transcatheter occlusion of the PDA in very low birth weight infants	Frank Ing, MD
4:05pm	Metabolomics in a Clinical Care Environment: Perioperative environmental exposure to cyclohexanone during neonatal congenital cardiac surgery is associated with decreased Neurodevelopmental outcome	David Graham, M.Sc., Ph.D
4:30- 5:20pm	Technology and how it could address health disparities in children	Colleen Kraft, MD

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Thursday, MARCH 25, 2021

Time	Title	Speaker
8:00am	Diaphragmatic Hernia Strategy to improve survival and reduce the need for ECMO	Bradley Yoder, MD
9:00am	Assessment of Cardiac function in the ECMO patient both Pre-ECMO and while on ECMO	Donald McCurnin, MD
10:00am	Break	
10:20am	<i>Implementation of a High Frequency Jet Ventilation Program Over the Years</i>	Brian Simmons, B,Sc, (Hons), BM, MMed, FRCP.
11:15am	Special Lecture <i>Adult Cardiopulmonary Sequelae of Preterm Birth</i>	Stephen Derdak, DO
12-1pm	Break: Exhibit Hall Zoom Link: https://zoom.us/j/92004155267?pwd=Y2ZtanZVa3p2VHJQMjJbFZCTGZEZz09	
1:00pm	Special Lecture <i>Fetal Surgery Risks and Benefits</i>	Shinjiro Hirose, MD Vice Chair Dept of Surgery Chief Div. of Pediatric Surgery UC Davis Medical Center
2:00pm	<i>Abstract</i> Can Bubble CPAP Enhance High-Frequency Jet Ventilation?	Mitchell Goldstein, MD
2:20pm	<i>Abstract</i> 20 <i>Impact of timing of Polymyxin B-immobilized Fiber Column Direct Hemoperfusion on Outcome in Patients with Septic Shock</i>	Tomoki Tanaka MD
2:40pm	<i>Abstract</i> <i>A new rat model of extracorporeal life support developing early multiple organ dysfunction is relevant for preclinical studies and comparable to clinic</i>	Antoine Persello PhD student
3:00pm	Break	
3:15pm	Special Lecture <i>DeLemos Memorial Lecture</i> Telemedicine A Neonatologist's Perspective and Use	Stephen Minton, MD, FFAP Chief Neonatology Utah Valley Hospital Medical Director Intermountain Healthcare Newborn Services
4:10pm	Abstract <i>Neurobehavioral Outcomes of Former Preterm Lambs are Better when Respiratory Management is Noninvasive compared to Invasive</i>	E. Dawson
4:30pm	Abstract <i>Noninvasive Resuscitation and Continuing Respiratory Support of Preterm Lambs Leads to Appropriate Alveolar Capillary Growth</i>	A. Rebentisch
4:50pm	Abstract Intensive Care on the Go: Practical Evaluation of the Simplified Automated Ventilator II as Adjunct to Mobile Extracorporeal Life Support in Management of Trauma-Induced Respiratory Failure	Brendan Beely, RRT

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Friday, MARCH 26, 2021

Time	Title	Speaker
8:00am	<i>Special Lecture</i> Genomic testing approaches in the critically ill neonate	Lisa A. Schimmenti, MD Department of Clinical Genomics, Professor of Pediatrics, Co-Director, Medical Scientist Training Program (MD/PhD), Consultant, Departments of Clinical Genomics, Otorhinolaryngology, Head and Neck Surgery, and Biochemistry and Molecular Biology, Mayo Clinic School of Medicine
9:00am	<i>Special Lecture</i> Advances in microfluidic organ support technology	Jeffrey Borenstein, PhD
10:00am	Break	
10:15am	<i>Abstract Presentation</i> Diagnosis of inhalation injury severity using optical coherence tomography	Jae Choi
10:50am	<i>Abstract Presentation</i> Asymmetric vertical transmission of SARS-COVID-19	Lidia Park, MD, PhD Department of Pediatrics, UC Davis Children's Hospital
11:10am	Covid-19 Multisystem Inflammatory Syndrome in Children	Joseph A. Bocchini, Jr., MD, FAAP Vice Chairman, Department of Pediatrics, Tulane University
11:45am	COVID-19 Vaccines: Update	Joseph A. Bocchini, Jr., MD, FAAP
12-1pm	<i>Break: Exhibit Hall Zoom Link:</i> https://zoom.us/j/92004155267?pwd=Y2ZtanZVa3p2VHJQMxJjbFZCTGZlZz09	
1:00pm	Covid-19 in NYC: The Epicenter (Safety & New Approaches)	Felix Khusid, RRT
2:00pm	Innovation in Antithrombogenic Coatings for Extracorporeal Life Support	Teryn Roberts, PhD
3:00pm	Break	
3:15pm	Protecting the Lung: Ventilator Optimization during VV ECMO	Steve Conrad, MD, PhD
4:10pm	<i>ECMO for the Covid-19 Patient</i>	Steve Derdak, DO
5:45pm	<i>Conference summary</i> <i>Closing remarks Plan for 2022</i>	Donald Null, MD

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