

38th Annual Conference
Advances in Therapeutics and Technology: Critical Care of Neonates, Children, and Adults
The Cliff Lodge and Spa in Snowbird, UT

TUESDAY, MARCH 29, 2022

Time	Title	Speaker
3:00pm-5:00pm	Pre-registration <i>Primrose B Lobby</i>	
Abstract Presentations: Moderated by Arun Pramanik, MD		
5:00pm	Opening Remarks	Arun Pramanik, MD Professor of Pediatrics, Louisiana State University School of Medicine
5:30pm	Abstract Presentation <i>Mesenchymal Stromal Cell Extracellular Vesicles Improve Respiratory System Outcomes in Mechanically Ventilated Preterm Lambs</i>	A. Rebentisch University of Utah
5:45pm	Abstract Presentation <i>Mesenchymal Stromal Cell Extracellular Vesicles Improve Alveolar Formation in Mechanically Ventilated Preterm Lambs</i>	E. Major University of Utah
6:00pm	Special Lecture <i>LISA Versus Insure: LISA is no Longer a Fashion- It is Here to Stay</i>	Rangasamy Ramanathan Professor of Pediatrics (Clinical Scholar) Director of Neonatology Pediatrics
7:00pm	Conclusion	

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WEDNESDAY, MARCH 30, 2022
MORNING SESSION

Time	Title	Speaker
7:00am-8:00am	Continental Breakfast Vendors: Primrose A Registration: Primrose B Lobby	
Presentations: Moderated by Stephen Derdak, DO		
8:00am	Abstract Presentation <i>Trends in Outpatient Palivizumab Use and Rates of RSV Related Hospitalization in Very Preterm (born at <29 wGA) Infants: 2003-2020</i>	Elizabeth R Packnett, MPH IBM Watson Health, Cambridge, MA
8:20am	Special Lecture <i>Respiratory Syncytial Virus in COVID-19 Pandemic an Update</i>	Mitchell Goldstein, MD Director, Neonatal ECMO Professor of Pediatrics, Division of Neonatology, Loma Linda University Children's Hospital
9:10am	Special Lecture <i>Postnatal Corticosteroids to Prevent and Treat Chronic Lung Disease Following Preterm Birth (Updated AAP's COFN Policy)</i>	Dr. Arun Pramanik Professor of Pediatrics LSU Health Shreveport, LA
10:10am	Break	
10:40am	Abstract Presentation <i>Benefits and Pitfalls During Design and Use of Pneumotachograph for Monitoring of Mechanical Ventilation</i>	Ladislav Bis Dept of Biomedical Technology Czech Technical University in Prague Czech Republic
11:00am	Ultrasound Workshop High Frequency Nasal Ventilation Workshop	Donald Null MD, Professor of Pediatrics Director NICU and Neonatal Transport UC Davis Children's Hospital
12:05pm	Special Lecture <i>Discover the Magic of Point of Care Ultrasound A Focus on Hocus Pocus</i>	Yoginder Singh, MD Loma Linda University Children's Hospital
1:00-4:00pm	Break Academy of Neonatal Care	

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WEDNESDAY, MARCH 30, 2022

Time	Title	Speaker
4:00pm- 5:00pm	Light Refreshments/Vendors <i>Primrose A</i>	
Presentations: Moderated by Donald Null, MD		
5:00pm	Abstract Presentation <i>Humidified High Flow Nasal Cannula and its Effect on Total Water Delivery</i>	Mitchell Goldstein MD Professor of Pediatrics Loma Linda University Children's Hospital
5:15pm	Special Lecture <i>Pediatric Digital Technology and Addressing Health Disparities and Bias in Children.</i>	Colleen Kraft MD Past President of American Academy of Pediatrics
6:05pm	Special Lecture <i>Robert DeLemos Memorial Lecture</i> <i>How do we Provide the Best Patient Care in the NICU</i>	Donald Null MD, Professor of Pediatrics Director NICU and Neonatal Transport UC Davis Children's Hospital
7:05pm	Break	

EVENING SESSION

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THURSDAY, MARCH 31, 2022

MORNING SESSION

Time	Title	Speaker
7:00am-8:00am	Continental Breakfast/Vendors <i>Primrose A</i>	
Presentations: Moderated by Mitchell Goldstein, MD		
8:00am	Special Lecture <i>Congenital Heart Disease and Rapid Genome Sequencing</i>	Nathaly Sweeney, MD Assistant Clinical Professor, Pediatrics School Vc-health Sciences
9:00am	Special Lecture <i>Update on Closure of the PDA in Extremely Low Birth Weight Patients with a Plug</i>	Frank Ing, MD Professor of Pediatrics Chief Pediatric Cardiology UC Davis Children's Hospital
10:00am	Break <i>Refreshments/Vendors: Primrose A</i>	
10:35am	Workshop #1 Ventilators	
11:15am	Workshop #2 Ventilators	
12:05pm	Break	
1:00-4:00pm	Academy of Neonatal Care	

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THURSDAY, MARCH 31, 2022

EVENING SESSION

Time	Title	Speaker
4:00pm-5:00pm	Light Refreshments/Vendors <i>Primrose A</i>	
Presentations: Moderated by Donald Null, MD		
5:00pm	Special Lecture ECMO Considerations in Pregnant Patients	Stephen Derdak DO
6:00pm	Special Lecture <i>Update on Fetal Surgery</i>	Dr. Shinjiro Hirose MD Chief Division Pediatric Surgery Medical Director Pediatric Trauma Professor of Surgery Vice-Chair Dept. of Surgery UC Davis
7:00pm	Break	

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FRIDAY, April 1, 2022

MORNING SESSION

Time		Speaker
7:00am-8:00am	Continental Breakfast/Vendors <i>Primrose A</i>	
Presentations: Moderated by Stephen Derdak, DO		
8:00am	Abstract Presentation	
8:20am	Abstract Presentation <i>Mitigation of Water Condensation and High Flow Nasal Cannula, Dew Point Significance</i>	Mitchell Goldstein MD
8:35am	Special Lecture <i>Use of Heliox in Neonates with Diaphragmatic Hernia</i> <i>Use of Mechanical Ventilation for Diaphragmatic Hernia</i>	Jose Honold, MD Chief Neonatology, Medical Director NICU Rady Children's Hospital San Diego, CA Bradley Yoder, MD Chief Neonatology Professor of Pediatrics of Utah
9:35am	Break <i>Refreshments/Vendors: Primrose A</i>	
10:05am	Abstract Presentation CoroVent an Emergency ventilator designed and used for treatment of patients with respiratory failure during Covid-19 pandemic in the Czech Republic	Simon Walzel Dept of Biomedical Technology Czech Technical University in Prague Czech Republic
10:25am	Abstract Presentation Research of gas exchange of a victim with avalanche snow	Karel Roubik, PhD Faculty of Biomedical Engineering Czech Technical University in Prague, Czech Republic
10:45am	Abstract Presentation Influence of Oxygenation on Neurodegeneration following Traumatic Brain Injury in a swine Model	Brendan Beely, RRT The Geneva Foundation, San Antonio TX
11:05am	Special Lecture Fluid Resuscitation in the Critically Ill Pediatric and Adult Population	Steve Conrad, MD
12:00pm	Break	
1:00pm-4:00pm	Academy of Neonatal Care	

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FRIDAY, APRIL 1, 2022

EVENING SESSION

Time	Title	Speaker
4:00pm- 5:00pm	Light Refreshments/Vendors <i>Primrose A</i>	
Presentations: Moderated by Arun Pramanik, MD		
5:00- 7:00pm	Special Session ECLS and Critical Care	Chairs: Andriy Batchinsky, MD Teryn Roberts, PhD
	Special Lectures <i>Hemolysis Issues During ECMO</i> <i>Anatomy of Anticoagulation in Blood- Polymer Interfaces: Implications for Medical Device Development</i> <i>Development of Microfluidic Oxygenators</i> <i>ECLS During COVID are We Changing Practice</i>	Timothy Maul, CCP, FPP, PhD Teryn Roberts, PhD J. Borenstein, PhD Andriy Batchinsky, MD
7:00pm	HFVP How it Compares in the COVID Pandemic	G Sarduci Roma Italy
7:10pm	Closing	

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SATURDAY, April 2, 2022

MORNING SESSION

Time	Title	Speaker
7:00am-8:00am	Continental Breakfast/Vendors <i>Primrose A</i>	
Presentations: Moderated by Mitchell Goldstein, MD		
8:00am	Abstract Presentation	Abstract Presenter
8:30am		
9:30am	Special Lecture <i>Antibiotic Stewardship: The Good, The Bad and the Ugly</i>	Donald Null, MD
10:35am	Break <i>Primrose A</i>	
11:00am	Conference Summary and Closing Remarks	Donald Null, MD
11:15am	<i>Thank you!</i>	

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