

# Annual International Meeting

December 15-18, 2022 | Miami, Florida



**On behalf of the Society and the members of the Program Committee, we would like to welcome you to the 18th Annual International Meeting of the Pediatric Cardiac Intensive Care Society in Miami Beach, Florida!**

We've designed an exciting multidisciplinary program that focuses on clinical and research innovations within the field of pediatric cardiac critical care featuring highlighted themes to be presented by our esteemed, invited faculty.

## Plenary Sessions

- Centers of Excellence, Regionalization, and Transparency
- The Experienced Bedside Nurse: Rescuing an Endangered Species
- Innovation, Translation and Collaboration: Recent Advances and Scientific Work from PCICS



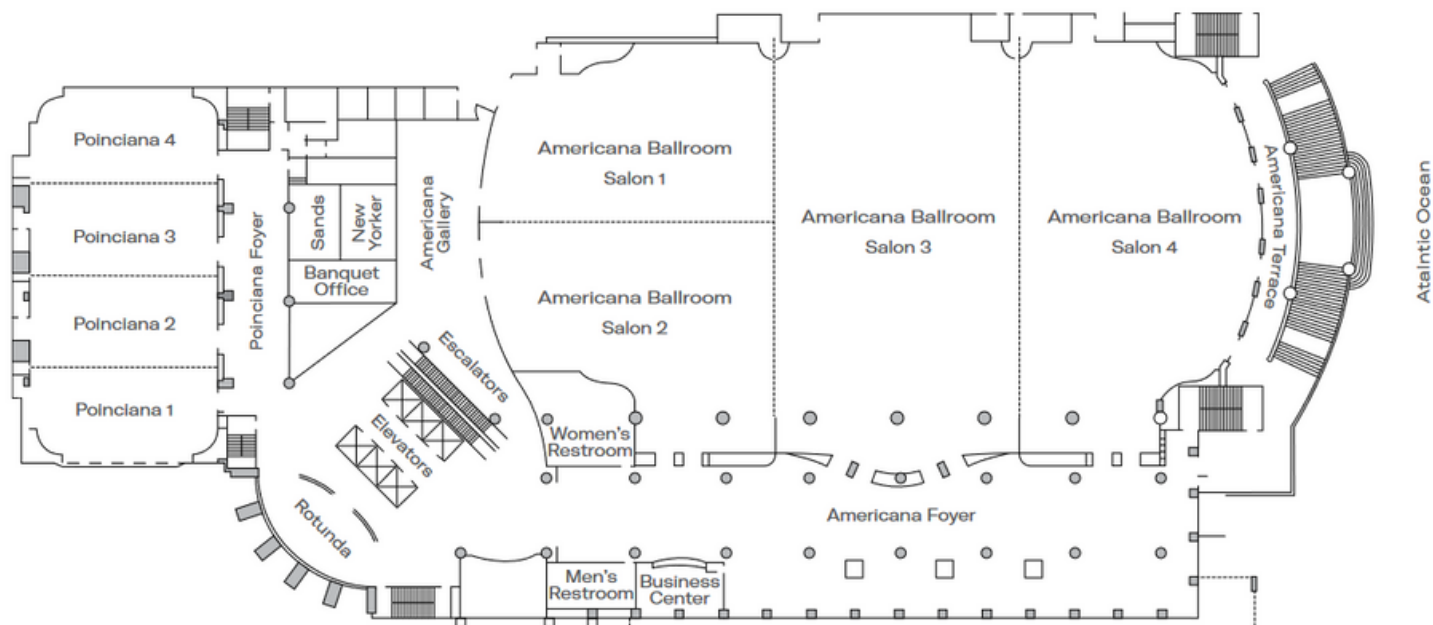
# Annual International Meeting

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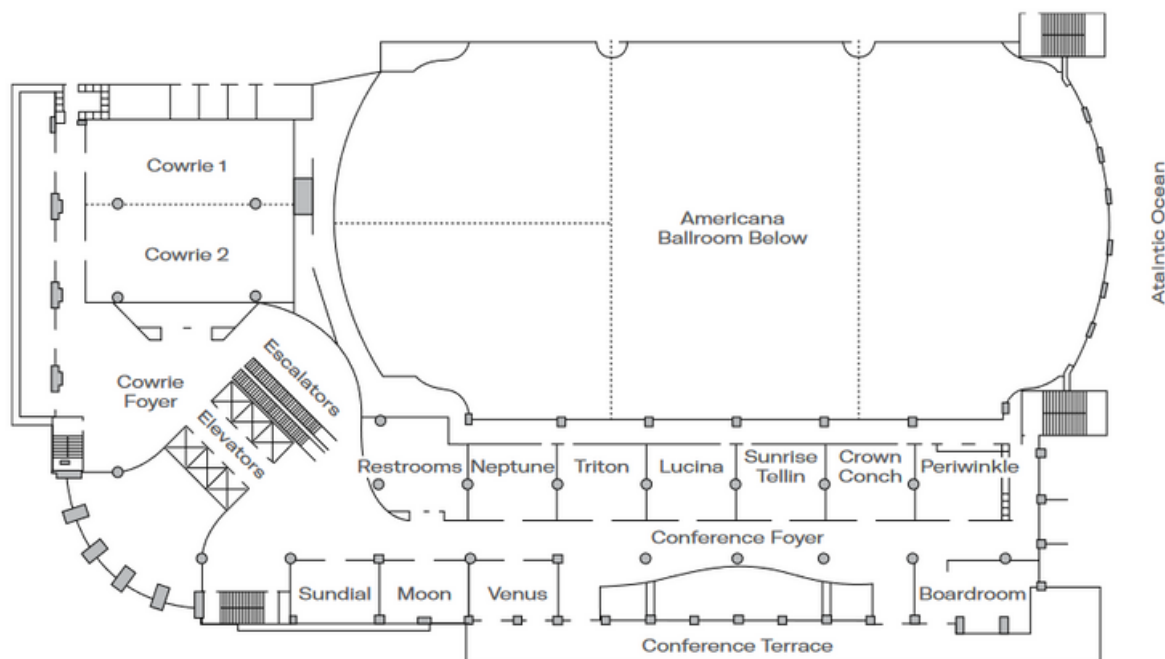


## Location: Loews Miami Beach Hotel

### Second Level



### Third Level



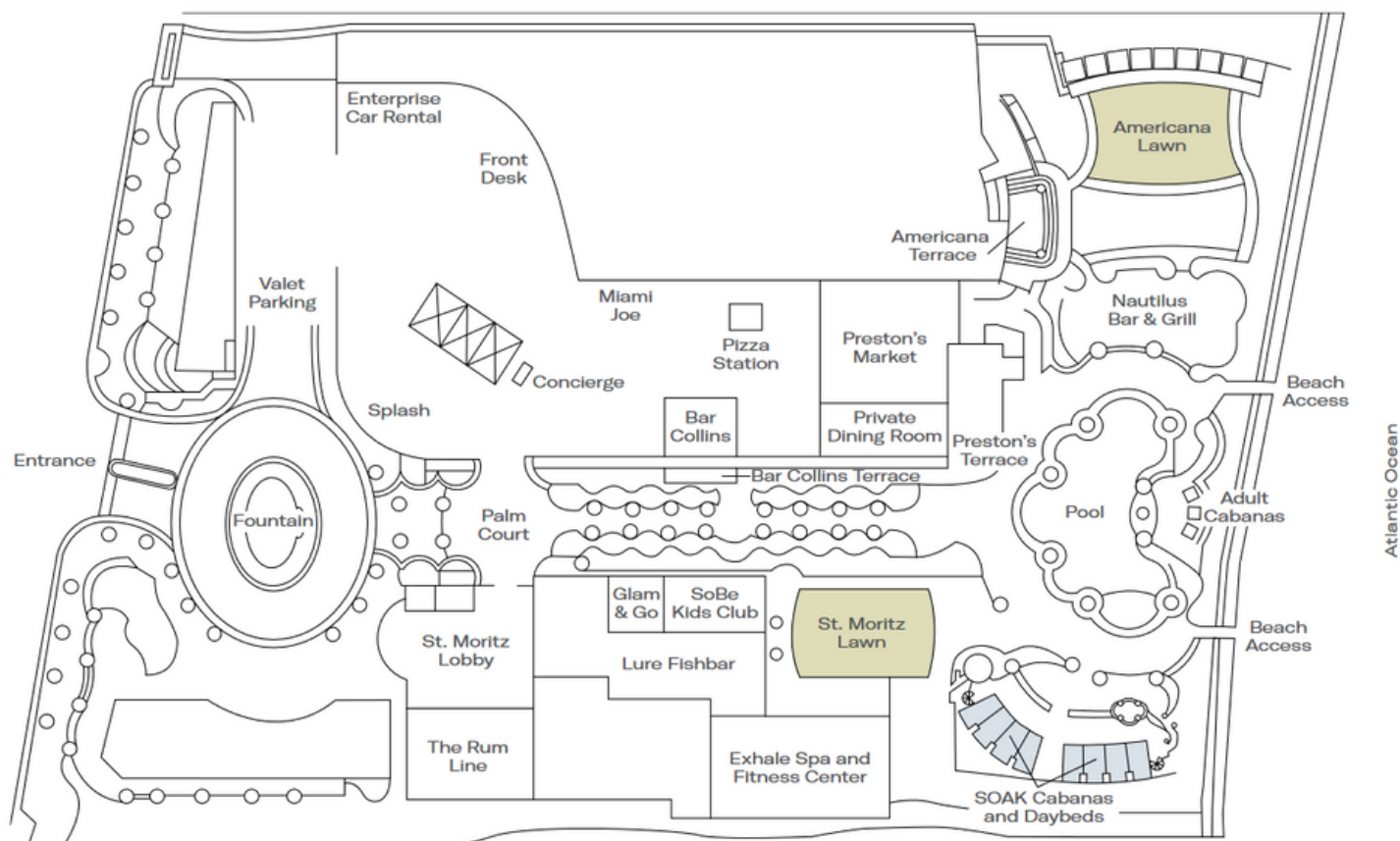
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## Location: Loews Miami Beach Hotel

### Outdoors



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## Day 1: Thursday, December 15, 2022

All Times Eastern US (New York)

7:00AM - 7:00PM	PCICS Registration / Information	Rotunda
8:00AM - 4:45PM	<b>Preconference: Bedside Nursing, APP and Fellow Bootcamp</b> Moderators: Candace Mannarino, MD, Lindsey Justice, DNP, APRN, CPNP-AC, Dorothy M. Beke, MS, RN, CPNP-PC/AC, FAAN	Poinciana 3-4
1:00PM - 4:45PM	<b>Preconference: Nutritional Support: New Approaches to Old Problems</b> Moderators: Megan Horsley, RD, CSP, CNSC, LD, Melanie Savoca, RD, LSN	Poinciana 1-2
1:00PM - 4:45PM	<b>Preconference: Cardiac ECMO Nuts and Bolts</b> Moderators: Heather Viamonte, MD, MPH, Mark Todd, RRT, Asma Salloo, Paediatric Intensivist	Poinciana 3-4
3:00PM - 4:30PM	Cardiac Critical Care Fellowship Program Directors Meeting	Cowrie 2
3:00PM - 4:30PM	CoRe-PCICS Meeting	Cowrie 1
5:00PM - 7:00PM	<b>Opening Plenary: Centers of Excellence, Regionalization and Transparency: What Cardiac Programs Don't Talk About</b>	Americana 3
5:00PM - 5:40PM	<b>Panel 1: What is a Center of Excellence?</b> <b>Moderator:</b> David S. Cooper, MD, MPH <b>Panelists:</b> Melissa B. Jones, CPNP-AC, John J. Nigro, MD, Scott Bradley, MD, Jacqueline Kreutzer, MD, Patricia Hickey, PhD, MBA, RN, NEA-BC, Shanelle Clarke, MD, Michael Gaies MD, MPH, MS, Lara Shekerdeman, MB, ChB, MD, MHA, Kristy Wolfe	Americana 3
5:40PM - 6:20PM	<b>Panel 2: Regionalization of Care – Is it Possible?</b> <b>Moderator:</b> V. Ben Sivarajan, MD, MS, FRCP <b>Panelists:</b> Sarah A. Teele, MD, Darren Freed, MD, PhD, Carl Backer, MD, Steve Schwartz, MD, MS Bistra Zheleva, MBA, Kristy Wolfe	Americana 3
6:20PM - 7:00PM	<b>Panel 3: Can Internal and External Data Transparency Improve Outcomes?</b> <b>Moderator:</b> Sarah Tabbutt, MD, PhD <b>Panelists:</b> Mark Galantowicz, MD, Sara Pasquali, MD, MHS, Kate Brown, MD, MPH, Michael Gaies, MD, MPH, MS, Titus Chan, MD, Ashley Moellinger, CPNP-AC, MSHQS, Kristy Wolfe, Javier J. Lasa, MD	Americana 3
7:00PM - 9:00PM	<b>Welcome Reception</b> (Supported by Children's National Hospital and Traphagen CPAs & Wealth Advisors)	Americana Lawn

## Day 2: Friday Morning, December 16, 2022

6:45AM - 5:30PM	PCICS Registration / Information	Rotunda
7:00AM - 8:00AM	Coffee with Exhibitors, Supported by Atrium Health Levine Children's	Rotunda
7:00AM - 8:00AM	Committee and Group Meetings (see full schedule on meeting website, use QR code above)	See website
8:00AM - 9:45AM	<b>Plenary: The Experience Bedside Nurse – Rescuing an Endangered Species</b> <b>Moderators:</b> Jill Zender, CPNP-AC, Lillian Su, MD, Meena LaRonde, RN Introduction (Moderators) Nursing Retention Task Force Update (Jean A. Connor, PhD, RN, CPNP; Anna Fisk, PhD, RN) How Long Will I Last? (Kimberly A. Ortmyer, BSN, RN) Administration Support to Keep Nurses at the Bedside (Jean Storey, MSN, RN) Evolution of Respect for Nurses: The Good, the Bad, and the Ugly (Josh Koch, MD) Highlight Video of PCICS Colleagues – Nursing Support and Praise Bedside Nurse Award Winner Presentation and Panel <b>Panelists:</b> Virginia Mae Enad, Kelly Gray, MSN, Tanya Kopke, RN, Colleen Muscatello, Nadia Pendleton, RN, Suzette Riddick, RN QA and Panel Discussion	Americana 3
9:45AM - 10:10AM	Break	
9:45AM - 10:10AM	Interdisciplinary Leadership SIG Meeting	Neptune
10:10AM - 11:10AM	<b>Top Abstract Presentations</b> <b>Moderators:</b> Andrew R. Yates, MD, Jennifer Peterson, PhD, APRN-CNS Using Visual Analytics Support to Optimize Quality Sedation Practice in the CICU (Barbara-Jo Achuff, MD) The Association Between Alveolar Dead Space and Cardiac Arrest Post Cardiopulmonary Bypass (Maria Batsis, MD) Serum Thyroid Levels in Neonates After CPB and its Association with Poor Outcomes (Leslie Rhodes, MD, MBA) Risk Factors for Electroencephalographic Seizures in Neonates Following CPB (Jill Hsia, MD)	Americana 3
11:10AM - 11:50AM	<b>Anthony Change Lecture: Lara Shekerdeman, MB, ChB, MD, MHA</b>	Americana 3
12:00PM - 12:30PM	<b>Lunch, Fetal Arterial Hyperechogenicity – When to Suspect a Rare but Fatal Disease</b> (supported talk by Inozyme Pharma, Inc.)	Americana 3
12:00PM - 1:00PM	CICU Medical Director Think Tank	Cowrie 1
12:00PM - 1:00PM	Scientific Innovations Meeting	Cowrie 2



**Day 2: Friday Afternoon, December 16, 2022**

1:00PM - 3:00PM	<b>Breakout: RV Failure: A New Hope</b> (Moderators: Loren Sacks, MD, Gina Ubertini, RN, BSN, CCRN)	Americana 2
	Acute Right Heart Failure Management – Neonates (Nathaly Sweeney, MD, MPH, MS)	
	Acute Right Heart Failure Medical Management – Older Children (Rebecca J. Kameny, MD)	
	Acute Right Heart Failure Surgical Management (Yves d'Udekem, MD, PhD)	
	Understanding the Molecular Mechanisms of RV Failure (Sushma Reddy, MD)	
	Support for RV Failure due to End-Stage Pulmonary Hypertension (Ryan D. Coleman, MD)	
	QA and Panel Discussion	
1:00PM - 3:00PM	<b>Breakout: Pro Con Debates</b> (Moderators: Lindsey Justice, DNP, APRN, CPNP-AC, Peter Roeleveld, MD, PhD)	Americana 3
	Bivalirudin Should be the Anticoagulant of Choice for ECMO (Pro: Tanya Perry, DO, Con: Robert A. Niebler, MD)	
	Pulmonary Artery Band is a Good Strategy for LV Failure (Pro: Peter Roeleveld, MD, PhD, Con: Francis Fynn-Thompson, MD)	
	Intracardiac Lines are the Best Long Term Access for Post-op Infants (Pro: Katherine Harrison, CPNP-AC, Con: Sarah Kabbatt, ACNP)	
	Surgeons Should be Involved in CICU Management (Pro: James Quintessenza, MD, Con: Catharine K. Allan, MD)	
	Hospital Rankings Matter (Pro: Justin Yeh, MD, Con: Melissa Smith-Parrish, MD, MS)	
	QA and Panel Discussion	
1:00PM - 3:00PM	<b>Breakout: Scientific Abstract Presentations</b> (Moderators: Sandra Staveski, PhD, CPNP-AC, Eric Graham, MD)	Americana 1
	Late Ventricular Myocardial Remodeling after PA Banding for End-Stage Dilated Cardiomyopathy in Infants. A multicentric international experience. (Massimo A. Padalino, MD)	
	Multi-center Epidemiology of Cardiac Surgery-Associated AKI in Neonates Undergoing the Norwood Operation (Denise C. Hasson, MD)	
	Integrated Analysis of Pulmonary Cells and Cellular Activity After CPB Reveals a Protective Response to Ischemia Reperfusion Injury (Victoria Habet, DO)	
	Pre-ECMO Markers of Impaired Oxygen Delivery and Neurologic Outcomes (Edon J. Rabinowitz, MD)	
	Novel Biomarkers of Necrotizing Enterocolitis in Neonates Undergoing Congenital Heart Disease Surgery (Eiman Ali, MBBS, MSc)	
	High Frequency Oscillatory Ventilation Prior to ECMO is Associated with Increased Survival in Pediatric Cardiac Patients with Pulmonary Hemorrhage (Pilar Anton-Martin, MD, PhD)	
	Socioeconomic Status and Outcomes on Pediatric ECMO (Faraz Alizadeh, MD)	
	QA and Panel Discussion	
3:00PM - 3:30PM	Break	
3:00PM - 3:30PM	PCICS Special Interest Group (SIG) Information Session	Americana 2
3:30PM - 5:30PM	<b>Breakout: QI Abstract Presentations</b> (Moderators: Melissa M. Winder, CPNP-AC, Dana M. Mueller, MD)	Americana 1
	Impact of Epinephrine Timing on Survival After Extracorporeal Cardiopulmonary Resuscitation in Children (Laura A. Ortmann, MD)	
	Wake Up Call: Pediatric Cardiac ICU RN Well-Being (Casey N. Bor, MS, CPNP-AC, BSN, RN)	
	How much is too much? Quantifying Cognitive Load in the Pediatric Intensive Care Unit (Daniel E. Ehrmann, MD, MS)	
	Apixaban for Prevention and Treatment of Thrombosis in Pediatric Cardiac Patients is Safe and Effective (Ashish A. Ankola, MD)	
	Multicenter Analysis of Clinical Outcomes Following Tracheostomy in Children with Single Ventricle Physiology (Christopher W. Mastropietro, MD, FCCM)	
	Implementation of a Neurodevelopmental Care Pathway Based on Clinical Severity in the CICU (Alice Ramirez, MD)	
	Etiology of Cardiac Arrest in the CICU and Characteristics Present at the Time of Event (Jonathan J. Khoubian, MD)	
	Cardiac Arrest Prevention – Identification of Clinical Targets for Further Improvement (Santiago Borasino, MD, MPH)	
	QA and Panel Discussion	
3:30PM - 5:30PM	<b>Breakout: The Hurdles We Keep Tripping Over: Ongoing Challenges in the CICU</b> (Moderators: Erin Dugan, CPNP, Carly Scahill, DO)	Americana 3
	COVID/MIS-C and ECMO – Have We Exhausted Our Staff and/or Resources? (Mark Todd, RRT)	
	Timing of VAD in Biventricular and Single Ventricle Populations (Adam Morrison, MD)	
	Incoming Waves of Critically-Ill ACHD Patients (Roni Jacobsen, MD)	
	DEI Through the Patient Lens Versus Through the Staff Lens (Keila N. Lopez, MD, MPH)	
	Diastolic Dysfunction – Have We Made Any Progress? (Catherine K. Allan, MD)	
	QA and Panel Discussion	
3:30PM - 5:30PM	<b>Breakout: Social Media in the CICU and ACCU</b> (Moderators: Allie Rippe, MSN, APRN, CPNP-AC, Nicolas Madsen, MD, MPH)	Americana 2
	Risk Versus Benefits of Social Media Use in Critical Care – Physician Perspective (Sean S. Barnes, MD, MBA)	
	Risk Versus Benefits of Social Media Use in Critical Care – Parent Perspective (Stephanie Lewis)	
	Creating International Connections Through Social Media (Hussam Inany, MBBS, FAAP)	
	How Can Social Media Bridge Divides in Pediatric Cardiac Critical Care? (David Werho, MD)	
	Cultivating Social Media as a Tool in Your Career (Intikhab Zafurallah, MBBS, FRCPC)	
	Nursing Highlight: Using Instagram to Educate Nurses (Yaeji Kim, BSN)	
	QA and Panel Discussion	
5:30PM - 7:00PM	<b>Poster Abstract Session 1 Moderated Abstracts</b>	Poinciana Americana 1-2
7:00PM - 8:00PM	<b>Faculty Reception</b>	Prestons Dining Room



## Day 3: Saturday Morning, December 17, 2022

7:15AM - 3:30PM	PCICS Registration / Information	Rotunda
7:00AM - 8:00AM	Committee and Group Meetings (see full schedule on meeting website, use QR code above)	See website
8:00AM - 10:00AM	<b>Plenary: Innovation, Translation and Collaboration: Recent Advances in the Field and Scientific Work from PCICS</b> <b>Moderators:</b> Anna Fisk, PhD, RN, CCRN-K, Jamie Penk, MD, Darren Klugman, MD, MS	Americana 3
	The Importance of PCICS Leading the Science (Bradley S. Marino, MD, MPP MSCE, MBA)	
	Collaboration is Key: CoRe PCICS (Christopher W. Mastropietro, MD)	
	Featured CoRe Study: ALCAPA (Katherine Cashen, DO)	
	Envisioning the Future: Scientific Innovation (John Kheir, MD)	
	Featured SI Study: Care Curves (Jesse Davidson, MD, MPH, MSc)	
	Disseminating What We Know: White Paper Committee (Jean A. Connor, PhD, RN, CPNP, FAAN)	
	Featured White Paper: Nutrition (Kimberly Mills, MD)	
	QA and Panel Discussion	
10:00AM - 10:30AM	Break	
10:00AM - 10:30AM	PCICS Special Interest Group (SIG) Information Session	Americana 2
10:30AM - 11:15AM	<b>Patricia Hickey Lecture: Louise Callow, RN, MSN, CPNP</b>	Americana 3
11:15AM - 11:45AM	Break	
11:45AM - 1:00PM	<b>Lunch: Business Meeting and Awards</b> (Supported by Cincinnati Children's Medical Center)	Americana 3

## Day 3: Saturday Afternoon, December 17, 2022

1:00PM - 3:00PM	<b>Breakout: LCOS in 2022: Are We Still Sitting at the Bedside All Night?</b> (Moderators: Kate Brown, MD, Amy Donnellan, CPNP-AC)	Americana 1
	Vital and Physiological Signs in LCOS (Mjaye Mazwi, MBChB)	
	Surgical Technique and the Impact on LCOS (Meena Nathan, MD, MPH)	
	Monitoring Tissue Perfusion (Aparna Hoskote, MD)	
	Threshold for ECMO: Early Trigger Versus Wait for Crisis (Peter Roeleveld, MD, PhD)	
	Consequences of LCOS on Neurodevelopment and QOL (Joselyn Patrick, MSN, APRN, CPNP PC/AC)	
	QA and Panel Discussion	
1:00PM - 3:00PM	<b>Breakout: When to Worry</b> (Moderators: Sarah A. Teele, MD, Jennifer C. Romano, MD, MS)	Americana 3
	Panelists: Kiona Allen, MD, Andrew Glatz, MD, Christine Riley, CPNP-AC, Carlen Fifer, MD, Christopher Mascio, MD	
	Case 1: Transposition with Pulmonary Hypertension and Coronary Compression (Saidie Rodriguez, MD)	
	Case 2: Tetralogy of Fallot with Restrictive RV Physiology and Inadequate ASD (Colin Meyer-Macaulay, MD)	
	Case 3: Marginal Fontan (Caroline Morin, CPNP-PC)	
	QA and Panel Discussion	
1:00PM - 3:00PM	<b>Breakout: Building, Training and Retaining the Team</b> (Moderators: Christin Diller, DNP, APRN, CPNP-AC, Jason Buckley, MD)	Americana 2
	Interviewing: How to Find Emotionally Intelligent Critical Thinkers (Kim Woodall, MSN, RN, CPNP AC/PC, CNML)	
	Rapid Onboarding of New APPs and Nurses (Monica Mafla, MS, PNP-AC)	
	What Formula 1 Can Teach Us about Team Dynamics and Handoffs (Ken Catchpole, PhD)	
	Recruiting and Retaining a Diverse and Inclusive Team (Lara Shekerdeman, MB, ChB, MD, MHA)	
	Fostering Resiliency and Retaining the Team (Bonnie Miller, MBA, BSN, RN, CPN, CNML)	
	QA and Panel Discussion	
3:00PM - 3:30PM	Break	
3:30PM - 5:30PM	<b>Breakout: Follow the Yellow Brick Road: Rescuing the Brain and the Heart</b> (Moderators: Ivie Esangbedo, MD, Lee Murphy, DO)	Americana 3
	Use of Point of Care Ultrasound During CPR (Atim Ekpenyong, MD)	
	Interposed Abdominal Compression-CPR (IAC-CPR) (Daniel Stromberg, MD)	
	How the Pandemic Affects Crisis Resource Management Skills during CPR (Shanelle Clarke, MD)	
	Stroke in CHD: Current Epidemiology, Risk Mitigation and Medical Management (Melissa G. Chung, MD)	
	Stroke in CHD: Interventional Techniques and Candidacy Considerations (Mesha Martinez, MD)	
	QA and Panel Discussion	



## Day 3: Saturday Afternoon, December 17, 2022 (Continued)

3:30PM - 5:30PM	<b>Breakout: The Heart and Beyond: Approach to CHD and Major Comorbidities</b> (Moderators: Justin Elhoff, MD, Louise Callow, CPNP)	Americana 2
	CHD + Prematurity (Martina A. Steurer, MD, MAS)	
	CHD + GI Malformations (Shawn Kumar Sen, MD)	
	CHD + Renal Disease and GU Malformations (Katja Gist, DO, MSc)	
	CHD + Pulmonary and Airway Abnormalities (Jason Smithers, MD)	
	CHD + Complex Social Factors (Ellen A. Shaw, MSN, RN, CPNP-PC)	
	QA and Panel Discussion	

3:30PM - 5:30PM	<b>Breakout: Mental Health Inside and After the CICU</b> (Moderators: Solange Benjamin, MD, MHA, Angela Blankenship, CPNP AC/PC)	Americana 1
	Mental Health and the Patient – Delirium, Depression and PTSD (Amy Donnellan, DNP, APRN, CPNP-AC)	
	Mental Health and the Parents/Family – Post Intensive Care Syndrome (Marth A.Q. Curley, RN, PhD, FAAN)	
	Mental Health and the Care Team – Promoting Provider Resiliency (Casey N. Bor, MS, CPNP-AC, BSN, RN)	
	What Can We Do to Maintain Mental Wellness in the CICU? (David Werho, MD)	
	The Importance of Telling and Sharing Your Story – Using Digital Storytelling to Foster Healing and Resilience (Kristy Wolfe)	
	QA and Panel Discussion	

5:30PM - 7:00PM	<b>Poster Abstract Session 2</b> (Supported by Children's Healthcare of Atlanta Heart Center) <b>Moderated Abstracts</b>	Poinciana Americana 1-2
7:00PM - 9:00PM	<b>Junior Faculty/Fellow Reception</b> (Supported by Children's health System of Texas, CHOP, Traphagen CPAs & Wealth Advisors)	Conference Terrace
7:00PM - 9:00PM	<b>Nurse/APP Networking Reception</b> (Supported by Cincinnati Children's Medical Center (CCHMC) and Mount Sinai)	St. Moritz Lawn

## Day 4: Sunday Morning, December 18, 2022

8:00AM - 10:00AM	PCICS Registration / Information	Rotunda
8:00AM - 9:00AM	Coffee and Networking	Americana Foyer
8:00AM - 9:00AM	PCICF	Triton

9:00AM - 12:00PM	<b>Complex Decision Making – Case Based Learning</b> <b>Moderators:</b> Nikhil Chanani, MD, Michael-Alice Moga, MD, MSC, MBA, Alejandro Floh, MD, FRCP, MSc)	Americana 3
	Welcome and Introduction (Moderators)	
	Complex Decision Making: The Role of Team Dynamics (Katarina Garpenfeldt, MSc, MDEM, MA Risk and Decision Analysis, ABCP)	
	How Do Teams Make Decision (Moderators)	
10:00AM - 10:10AM	<b>Break</b>	
	The Role of Choice Architecture in Group Decisions (Page Steadman, RN, MSN, CPNP-AC)	
	Group Think: The Role of Institutional Bias and Heuristics in Group Decisions (Ken Catchpole, PhD)	
	Does Everyone Have a Voice: The Role of DEI and Gender in Decision-Making (Asma Salloo, Paediatric Intensivist)	
11:15AM - 11:30AM	<b>Break</b>	
	Simulated Surgical Management Conference (Maria Batsis, Constanza Jimenez)	

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## Friday December 16, 2022

01	Implementation of a Comprehensive Neuromonitoring Protocol in a Tertiary Cardiac Intensive Care Unit Chetna Pande	Outcomes of Advance Practice Registered Nurse Procedural Sedation in the Cardiac Population Angela Blankenship	10
02	Hemodynamic Response to Calcium Chloride Boluses in Single Ventricle Patients with Parallel Circulation Fabio Savorgnan	Rates of Childhood Vaccination Administration in a Cardiac Care Unit Aashnika Sujit	11
03	Markov Model for Detection of ECG Instability Prior to Cardiac Arrest in Single-Ventricle Patients Fabio Savorgnan	Recurrent Mycotic Pseudo Aneurysm of the Ascending Aorta after Anomalous Origin of Left Coronary Artery from the Pulmonary Artery Repair Deepank Sahni	12
04	A Standardized Approach to Holding in the Infant Cardiac Unit Eleanor Estebanez	Standardizing Multidisciplinary Rounding Format Could Impact Patient Outcomes Micayla Johnson	13
05	Cardiac Center Education Days: An Interprofessional Approach to Nursing Education Michelle Pileggi	Approach to Refractory Postoperative Chylothorax: A Survey of Congenital Heart Surgery Centers Cameron Kasmai	14
06	Getting Through the Night: Understanding 'In-the-Moment' Resilience of Pediatric Cardiology Fellows in the Cardiac Intensive Care Unit Priya Misra	Pediatric Cardiac Simulation Education During the Pandemic: Virtual and In-Person Boot Camps Kristen Nelson McMillan	15
07	I See You: Optimal Characteristics of Clinical Decision Support Systems for Critical Care Environments Daniel Ehrmann	Outcomes of Nasotracheal vs Orotracheal Intubation in Neonates after Cardiopulmonary Bypass Surgery Peggy Vogt	16
08	Early Breastfeeding Associated with Increased Odds of Later Human Milk Feeding for Infants with Single Ventricle Congenital Heart Disease: Analysis of the NPC-QIC Registry Kristin Elgersma	Perioperative and Mid-Term Outcomes of Surgical Repair for Double-Chambered Right Ventricle Nibras El Sherif	17
09	Wayfinding through the "Ocean of the Great Unknown": How Lactating Parents Establish a Direct Breastfeeding Relationship with an Infant with Critical Congenital Heart Disease Kristin Elgersma	A rare case of Lactobacillus Rhamnosus Infective Endocarditis of Melody Valve in a Pediatric Patient Dipti Padhya	18

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**\*Poster boards will be set in the Poinciana Ballroom.  
Screens 1 and 2 are in Americana 1 and Screens 3 and 4 are in Americana 2.**

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## Friday December 16, 2022

19	Rapid Onboarding and Successful Integration of Physician Assistants into a Complex Congenital Heart Program Samantha Thames	Eosinophilic Myocarditis Secondary to Hypereosinophilic Syndrome vs Eosinophilic Granulomatosis with Polyangiitis: A Diagnostic Dilemma Nathan LaVoy	27
20	Postoperative Hypertension After Bidirectional Glenn or Hemi-Fontan Procedure in Children with Single Ventricle Palliation Samantha Thames	Pediatric Tele-CICU: A Novel Approach to Support of Bedside Nursing Kellie Swink	28
21	Global Recovery, Rehabilitation, and Berlin Excor Decannulation in Permanent Junctional Reciprocating Tachycardia-induced Cardiomyopathy with Cardiogenic Shock Daniel Stromberg	Effects of Blood Transfusion on Oxygen Extraction Ratio and Central Venous Saturation in Children After Cardiac Surgery Bana Naser Agha	29
22	Use of Music for Newborns After Cardiac Surgery Angela Sorensen	Surgical Pericardial Window versus Pericardiocentesis for Children with Postpericardiotomy Syndrome Joshua Fields	30
23	Pre-operative Nasal Decolonization for Surgical Site Infection Prevention in a Pediatric Cardiac Intensive Care Unit Angela Sorensen	Assessment of Fluid Balance after Neonatal Cardiac Surgery: Intake/Output vs Weight-Based Methods Tara Neumayr	31
24	Frequency of Postoperative Hyperglycemia and Outcomes of Hyperglycemic Children who underwent Repair of Congenital Cardiac Defects in a Tertiary Care Setup of Pakistan Yumna Aslam	Prognostic Factors of Extubation Failure in Pediatric Cardiac Intensive Care Unit: A Retrospective Study Kwannapas Saengsin	32
25	Optimization of a Multidisciplinary CLABSI Reduction Campaign in a Pediatric Cardiac Care Unit Allison Klamka	Think Twice: Optimizing Red Blood Cell Transfusion Practices Using the Electronic Medical Record Emily Schwartz	33
26	Evaluation of Acetaminophen as Adjunct Analgesia to Reduce Opioid use in Pediatric Patients Undergoing Cardiac Surgery: A Retrospective Analysis Karen Paradise	Hemostatic Challenges in Post-Cardiopulmonary Bypass ECMO Edon Rabinowitz	34
		Advanced Practice Providers Unite To Drive Practice Change in CLABSI Prevention Using Six Sigma Methodology Chrisevelle Leigh Heller	35

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36	Single-Cell Transcriptomic Analysis of Myocardial Remodeling after Ventricular Unloading in Pediatric Dilated Cardiomyopathy and HLHS Diwakar Turaga	45	Vitamin C Levels in Pediatric Patients undergoing Cardiac Surgery: A Prospective Cohort Study Luca Marchetto
37	Creating an Internal Resuscitation and ECPR Review Team: One Institution's Approach to Providing Event Feedback Ashley Pierson	46	The Cardiac Arrest Prevention Bundle, How Fast Are We Delivering Epinephrine? Jose Cardenas
38	Simulation Training for Patients with Delayed Sternal Closure Ashley Pierson	47	Evaluation of a Respiratory Therapist Driven Parental Education Program for Technology-Dependent Children in the Acute Care Setting of a Pediatric Hospital Sheila Phillips
39	Renal and Neurologic Complications During Pediatric Heart Failure Admission: A Multicenter Study Shriprasad Deshpande	48	A Comparison Study of Virtual Reality versus Manikin-based simulation for Educating Trainees in the Pediatric Cardiac Critical Care Unit Renee Willett
40	Early versus Late Norwood Procedure: No Difference in Mortality Ricardo Garcia	49	Nasally Compared to Orally Intubated Neonates Receive Similar Analgesia/Sedation Doses Following Cardiac Surgery Deborah Frank
41	Assessment of B-Natriuretic Peptide Levels after Stage 1 Palliation in Hypoplastic Left Heart Syndrome Patients Raysa Morales-Demori	50	Antibiotics for Necrotizing Enterocolitis in the Cardiac Intensive Care Unit Katherine Lemming
42	A Culture of Psychological Safety as the Foundation of a Journey to Zero Harm Within a Clinical Microsystem Lisa Welsh	51	CHG Impregnated Central Line Dressings for Pediatric Cardiac Surgery: A Nurse-Led Quality Improvement Initiative Richard Lion
43	Short-Term Outcomes, Risk Factors for Mortality and Functional Status in Univentricular patients After Norwood Operation: A Single Center Retrospective Study Alaa Aljiffry	52	Understanding the Hemodynamic Response to Blood Transfusions Utilizing High-Fidelity Realtime Telemetry after the Arterial Switch Operation Richard Lion
44	Replacement of an Aneurysmal Ascending Aorta with a Hemashield Graft to Address Significant Tracheal and Bronchial Compression Anas Salkini	53	Cardiac Arrest after Sugammadex Administration in a Pediatric Heart Transplant Recipient Wei Wang

Friday Presentations Page 3

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## Friday December 16, 2022

55	The Utilization of Angiotensin II in Calcium Channel Blocker and Angiotensin Receptor Blocker Overdose: A Case Study Alex Tabone	Efficacy and Safety of Supplemental Parenteral Nutrition vs Fortified Enteral Nutrition in Children with Heart Failure Lauren Daniel	67
56	Prophylactic Heparin Use Reduces Thrombosis Rate in Neonates Undergoing Cardiac Surgery Laura Downey	Cardiac Arrest Prevention Quality Improvement Initiative and Medication Cost Savings Zachary Coffman	68
57	Vitamin D: Not Just About Bones Karen Carvalho	Ketorolac in Neonates and Infants Following Congenital Heart Surgery: A Retrospective Review Amy Kiskaddon	69
58	Post-Operative Outcomes After Pediatric Heart Transplantation Based on Pre-Transplant Diagnosis of Pulmonary Hypertension Raysa Morales-Demori	Antithrombin III Utilization and Cost-Savings in Pediatric Cardiac Surgery Patients Amy Kiskaddon	70
59	Durational Phenotype of Cardiac Surgery-Associated Acute Kidney Injury After the Norwood Procedure Denise Hasson	Beyond Pain Management: An Interdisciplinary and Developmentally Centered Approach to Optimize Comfort in Neonates Following Cardiac Surgery Melissa Jones	71
60	Using Quality Improvement Science to Increase Developmental Care In the CICU Samantha Butler	Neonates with Congenital Heart Disease Have a Higher Opioid Exposure for 5 Days Post Operatively Than Infants Melissa Jones	72
61	Prostacyclins use in Pediatric VAD: Single Center Experience Rebecca Kameny	Data Driven Interventions to Decrease CLABSI in Long-Stay Complex Cardiac Patients Tiffany Mullen	73
62	A Description of Hemodynamic Changes when Parents Hold their Neonates in the Cardiac Intensive Care Unit Molly McGetrick	Impact of Provider Knowledge of Phlebotomy Volumes on Lab Ordering and Transfusion Practices in the Pediatric Cardiac Intensive Care Unit Gary LaCroix	74
63	Pediatric Cardiac ICU APP Well-Being Casey Bor	Unique Ventricular Assist Device Cannulation Strategy for a Complex Single Ventricle Patient Jessica Eichner	75
64	Proteomic Fingerprint and Motor Development Outcomes of Patients with Single Ventricle Heart Disease in the Inter-Stage Period Lindsay Thomson	Implementation of Delirium Rounds: A Quality Improvement Project to Enhance Delirium Management in a Pediatric CICU Jessica Mann	76
65	Reduced Length of Stay After Implementation of a Clinical Pathway Following Repair of Ventricular Septal Defect Tracey Ogdon	Administration of Bedside Dilute Epinephrine for Cardiac Arrest Prevention Jennifer Craven	77
66	Impact of Medical Interventions and Comorbidities on Norwood Admission for Patients with Hypoplastic Left Heart Syndrome Emily Ciocca	Feasibility of Axillary Arterial Cannulation for Invasive Monitoring in a Pediatric Cardiovascular ICU Monica Mafla	78

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**\*Poster boards will be set in the Poinciana Ballroom.  
Screens 1 and 2 are in Americana 1 and Screens 3 and 4 are in Americana 2.**

# Annual International Meeting

December 15-18, 2022 | Miami, Florida



## Friday December 16, 2022

### Screen 1

5:30 PM	Novel Immune Profiling In Pediatric Heart Failure and Ventricular Assist Device Meghna Patel
5:45 PM	Sustainability of a Cardiac Arrest Prevention Bundle to Reduce In-Hospital Cardiac Arrest and Mortality in the Pediatric CICU Tia Raymond
6:00 PM	Early Postoperative Weight-Based Fluid Overload is Associated with Worse Outcomes After Neonatal Cardiac Surgery: A Report from the Multicenter NEPHRON Collaborative Katie Brandewie
6:15 PM	Tele-CICU command center model: Increasing Patient Safety with Preventive Virtual Interventions in Children with Critical Heart Disease Alejandro Lopez Magallon
6:30 PM	Life-Threatening Events Between Day and Night Shifts in Pediatric Cardiac Critical Care Units: A Single Center Analysis Brian Han

### Screen 2

5:30 PM	Tetranectin Can Predict Better Outcomes for Neonates Following the Norwood Operation Ananya Manchikalapati
5:45 PM	Post-operative Admissions to the Acute Care Cardiology Service on an Acuity Adaptable Model Amy Lay
6:00 PM	Salvage Transcatheter Ductus Arteriosus Stenting for Acute Pediatric Pulmonary Arterial Hypertension is Associated with Improvement in Right ventricular Function Assessed by Echocardiography Strain Jason Kerstein
6:15 PM	Clinical outcomes of Covid-19 Infection in Pediatric Patients on Ventricular Assist Device Support Diana Torpoco Rivera
6:30 PM	Short-Term Outcomes, Functional Status, and Risk Factors for Univentricular Patients Requiring Extracorporeal Life Support After Norwood Operation: A Single Center Retrospective Study Asaad Beshish

### Screen 3

5:30 PM	Circulating Proteomic Response to Neonatal and Infant Cardiothoracic Surgery with Cardiopulmonary Bypass Jesse Davidson
5:45 PM	Peritoneal Catheters in Neonates after Complex Heart Surgery: A Multicenter Study David Kwiatkowski
6:00 PM	Impact of a Daily Intensive Care Unit Checklist on Patient Outcomes in a mixed Pediatric Intensive Care Unit/Pediatric Cardiac Intensive Care Unit Melanie Scala
6:30 PM	Identifying Kidney Injury via Urinary Biomarkers after the Comprehensive Stage II Palliation and Bidirectional Glenn procedure Rachel Harris

### Screen 4

5:30 PM	Non-invasive Respiratory Support and Risk Factors Associated with Extubation Failure in Norwood Patients Daniel Fiedorek
5:45 PM	Kidney tissue kynurenine pathway alterations in an infant piglet model of cardiopulmonary bypass with deep hypothermic circulatory arrest Ludmila Khailova
6:00 PM	Efficacy and Safety of Intravenous Acetaminophen for the Treatment of the Persistent Patent Ductus Arteriosus in Neonates with Concomitant Critical Congenital Heart Disease Maria Chacon
6:15 PM	Timing of Tracheostomy in the Pediatric CICU: A Single-Center Retrospective Analysis Miriam Fox
6:30 PM	Opioid Rotation Does Not Protect Dose Exposure in Mechanically Ventilated Pediatric Patients Khayri Shalhoub

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## Saturday December 17, 2022

01	Antibiotic Induced Diarrhoea: New Therapy! Reetesh Gupta	Retrospective Analysis of Children with Congenital Heart Surgery Undergoing Gastrostomy Tube Surgery Alone vs. Concurrent Gastrostomy Tube and Nissen Fundoplication Ryan Hassenius	10
02	Efficacy of Early Extubation After Pediatric Cardiac Surgery in LIMCs Effat Hisamuddin		
03	Pediatric Delirium in a Pediatric Cardiac Intensive Care Unit Jaron Allen	A Dedicated Volunteer Program for Pediatric Inpatients with Congenital Heart Disease Sherrill Caprarola	11
04	Post-pyloric Feeding Tube Placement with Fluoroscopic Guidance by Cardiac Critical Care Nurse Practitioners Lisa Welsh	Standardization and Implementation of Adult Infusion Dosing Guidelines in the Pediatric Cardiac Intensive Care Unit Meena LaRonde	12
05	Assessment of Safety Culture within a Pediatric Heart Center in the Strive for Zero Harm Lisa Welsh	Targeted Education of Bedside Nurses on PO Feeding Neonates with CHD Kristen Christensen	13
06	Use of Visual Storytelling as an Educational Intervention for Parents During Their Child's Cardiac Intensive Care Unit Admission Christiana Stark	Pediatric Sequential Organ Failure Score Helps Predict End Organ Dysfunction in Congenital Heart Disease Patients After Cardiopulmonary Bypass Prashanth Shanmugham	14
07	A Survey of Current Practices in Sedation, Analgesia, Withdrawal, and Delirium in Pediatric Cardiac Intensive Care Units Kevin Valentine	Outcomes of Stage 2 Palliation for Univentricular Patients Based on Surgical Era: A Single Institution Report Asaad Beshish	15
08	Piglet Cardiopulmonary Bypass Replicates Intestinal Dysbiosis and Barrier Dysfunction Seen in Pediatric Congenital Heart Disease Jeffrey Salomon	Hyperoxia While on Extracorporeal Life Support is Associated with Mortality in Neonates Following Norwood Operation Asaad Beshish	16
09	Continuous Prostanoid Initiation in Severe Pulmonary Arterial Hypertension in the Pediatric Cardiac Intensive Care Unit Richard Garia	Pulmonary Hypertension Associated with Vitamin C Deficiency in a Child with Autism Spectrum Disorder Abraham Gutierrez-Sauceda	17
		Severe Acute mitral Valve Regurgitation in a Pediatric Patient with Multisystem Inflammatory Syndrome Associated with COVID-19 Infection: A Case Report Iris Flores-Sarria	18

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## Saturday December 17, 2022

19	The Use of Simulation for Procedural Sedation Training and Credentialing in Cardiac Intensive Care Advance Practice Registered Nurses Jacquelyn Pleiman	Effects of Cardiac Surgery on Anthropometric Growth Measures of Children with Down syndrome and Failure to Thrive. Observational control study Abdulaziz Chrit	29
20	Quality Improvement Initiative to Reduce Inpatient Laboratory Charges in the Cardiac intensive care unit Ola Kassis	Mitigating burnout in a team of pediatric cardiac critical care advanced practice providers Melissa Cleveland	30
21	Effect of Atrial Septostomy on Left Ventricular Function in Pediatric Dilated Cardiomyopathy Dean Karahalios	Cardiology Education in a Pediatrics Residency: A Needs Assessment Megan SooHoo	31
22	Single Stage Fontan Palliation in a Toddler with Complex Single Ventricle Physiology Dean Karahalios	Effects of kynurenine pathway blockade on myocardial and kidney mitochondrial respiration in a swine model of pediatric cardiopulmonary bypass with deep hypothermic circulatory arrest. Jesse Davidson	32
23	Native aortic root thrombus in postoperative Fontan patient causing acute myocardial infarction managed with percutaneous thrombectomy and mechanical circulatory support Emily Ciocca	Prevention of Central Venous Catheter Related Venous Thromboembolism in the CICU: A Quality Improvement Initiative Laura Martis	33
24	Development of a CICU Simulation Nurse Leader Role is Beneficial to a Successful Unit-based Simulation Program Rachel Clendenin	A Rare Cause of Familial Dilated Cardiomyopathy in a Jehovah Witness Family-Implications for Management Kristen Nelson McMillan	35
25	CPR Duration Does Not Impact Neurologic Outcomes for Survivors After Pediatric E-CPR Shauna di Bari	Bedside Nurse Staffing on Patient Outcomes and Throughput in a Pediatric Cardiac Intensive Care Unit Michael Fundora	36
26	Nursing Education of Neurodevelopmentally Appropriate Cue-Based Cares of Infants with Critical Congenital Heart Disease Eileen Kelleher	Temporal Variation in the Soundscape of a Neonatal Cardiac Intensive Care Unit Molly McGetrick	37
28	Hemodynamic Effects of Prophylactic Post-operative Hydrocortisone Following Cardiopulmonary Bypass in Neonates Undergoing Cardiac Surgery Lily Landry	Thinking Outside of the Box: Implementing a Developmental Care Program in the CICU Christine Rachwal	38

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## Saturday December 17, 2022

39	At the Heart of the Matter – Building Peer Directed Patient Centered Communication Skills for Cardiac Advanced Practice Providers Jessica Eichner	48	Complement-mediated myocarditis in a pediatric patient with COVID-19 Melissa Chiu
40	Analysis of Ethical Issues and Risk Factors for Ethics Consults in Pediatric ECMO in the Cardiac Intensive Care Unit Bryan Siegel	49	Neurologic Outcomes after Cardiac Arrest in the Cardiac Intensive Care Unit Kimberly DiMaria
41	Dilated Cardiomyopathy Associated With NRAP Gene: A Case Series Abdelh Names	50	Decreased Surgical Site Infection: Back to the Basics Kimberly DiMaria
42	Creating a Process to Improve the Timeliness and Characterization of Mortalities in Hospitalized Patients with Congenital Heart Disease and to Identify and Implement Countermeasures Loren Sacks	51	Screening of Postpartum Depression and Stress among Mothers of Infants in a Pediatric Cardiovascular Intensive Care Unit: A Pilot Study Alessi Miller
43	Effect of Methyl Prednisolone on VAD-related Inflammation Kriti Puri	52	Venovenous extracorporeal membrane oxygenation and late ductal stenting for infant with transposition of the great arteries, pulmonary stenosis, and SARS-CoV-2 pneumonia Michael Mount
44	Improved outcomes of patients undergoing tracheostomy after congenital heart surgery with use of a multidisciplinary team - single center retrospective study Anas Salkini	53	Limb Ischemia in MIS-C: A case series Kelsey Mummert
45	Development of a Standardized Approach to Management of Chylothorax after Congenital Heart Surgery Nancy Braudis	54	Identifying Predictors of Cardiac Necrotizing Enterocolitis in Interstage Patients Maya Gibson
46	Cardiopulmonary Interactions Exist and are Measurable Even in Total Artificial Hearts Mjaye Mazwi	55	Traumatic Mitral Valve Injury After Penetrating Chest Trauma: A Case Report Joan Celis-Jasso
47	Sustained Reduction in Cardiac Arrest Event Rates in a Cardiac Intensive Care Unit: A Single Center Experience Rashmitha Dachepally	56	Complications of arterial catheterization in neonates and infants < 4kg with diagnosis of congenital heart disease undergoing cardiac surgery Danielle Sharp

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## Saturday December 17, 2022

57	Mitral Valve Replacement with the 15 mm St Jude Valve: A Single Center Review Marcos Mills	67	Creating a Standardized Assessment Tool for Pediatric Cardiac Critical Care Fellows: Mapping and Integrating Entrustable Professional Activities and Consensus-Based Curriculum Guidelines Meghan Chlebowski
58	Tunneled Femoral Lines in the Cardiac ICU: A Novel Approach Marcos Mills	68	Discharge Readiness Among Parents of Congenital Heart Patients After Cardiac Surgery Michael Kim
59	Effect of CPR Monitoring on Limiting Pauses in Chest Compressions During ECPR Simulations Gregory Yurasek	69	A Novel Simulation to Prepare Caregivers of Children Diagnosed with a Critical Congenital Heart Defect Kathy Murphy
60	Recent Trends in Incidence and Outcomes for Acute Myocarditis in Children in The United States Kalpana Singh	71	Perceptions of Quality of Dying and Death in a Pediatric Cardiac Intensive Care Unit: Mixed Methods Interpretation of Interprofessional Staff Responses Elizabeth Broden
61	Risk Factors for Long Postoperative Hospital Stays after Cardiopulmonary Bypass Surgery in Full-Term Neonates Ahmed Asfari	72	Benzodiazepine Withdrawal Catatonia and Seizures in the Pediatric Cardiac Intensive Care Unit Naomi Howard
62	Team-based multidisciplinary review of safety event reports mitigates the efficiency thoroughness tradeoff for learning and improvement within complex ICU environments Jamie Causey	73	Impact of Near-Real Time Warning Index in Simulated Clinical Assessment of Single Ventricle Infants Michael Goldsmith
63	Extra Corporeal Membrane Oxygenation: A Bridge to Palliation in Single Ventricle Physiology Ivana Capin	74	Implementation of a Standardized EPIC-based Handoff Tool to Improve the Quality and Efficiency of Nursing Handoff Jamie Fast
64	The Effect of Unplanned Extubation on Outcomes in the Pediatric Cardiac Intensive Care Unit Tanya Perry	75	Instituting a Shared Governance Practice Model in a Developing Pediatric CICU Rachel Rudberg
65	Fluid Bolus Administration in Children, Who Responds and How? A Systematic Review and Meta-Analysis Saul Flores	76	Development of a Multidisciplinary Sternal Incision Care Bundle Reduces Surgical Site Infections Following Pediatric Cardiac Surgery Meaghan Wildes
66	Alpha Blockade During Congenital Heart Surgery Admissions: Analysis From A National Database Saul Flores		

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## Saturday December 17, 2022

### Screen 1

5:30 PM	Using Machine Learning to Predict Transplant-Free Survival Among Neonates with Hypoplastic Left Heart Syndrome: An Analysis of the Single Ventricle Reconstruction and Extension Study Data Andrew Smith
5:45 PM	WAVES - The Lucile Packard Children's Hospital Open-Access Pediatric Physiological Waveforms Dataset Gurpreet Dhillon
6:00 PM	Best Practice Peri-Extubation Bundle Derived from High-Performing CICUs Reduces Neonatal Extubation Failure After Cardiac Surgery Deanna Todd Tzanetos
6:15 PM	Nutritional Adequacy in Children with Heart Disease Supported by ECMO and its Association with End Organ Function Jason Kerstein
6:30 PM	Evaluating the safety and efficacy of ketorolac after congenital heart surgery in infants less than 6 months of age Janae Townsend

### Screen 3

5:30 PM	Impact of Antegrade Pulmonary Blood Flow on Hemodynamic Status in Univentricular Patients Asaad Beshish
5:45 PM	Implementing an algorithm for early identification of feeding dysfunction in children after high-risk cardiac surgery Niranjan Vijayakumar
6:00 PM	Denouncing the Drift: CICU CLABSI Reduction Strategy Terri Mannan
6:15 PM	Health Equity Metrics: Creating a Single-Center Health Equity Dashboard in the CVICU Rebecca Kameny
6:30 PM	A Six Sigma Approach to Multidisciplinary Rounding Practices for a Complex Congenital Heart Program to Improve Patient Quality, Education, and Resource Utilization Kendall Aldridge

### Screen 2

5:30 PM	Mitral Valve Function after Anomalous Left Coronary Artery from the Pulmonary Artery Repair: Does Mitral Regurgitation Improve when Left Ventricular Function is Normal Preoperatively? Raji Venkitachalam
5:45 PM	Serum Proteoglycan 4: A Novel Biomarker for Acute Lung Injury after Pediatric Cardiac Surgery Ahmed Asfari
6:00 PM	Sounds Levels in a Pediatric Cardiac Intensive Care Unit are Higher than Recommended and May Lead to Increased Patient Stress Cara Pleau
6:15 PM	Education in the Cardiac Intensive Care Unit: Different Learners, Common Barriers Priya Bhaskar
6:30 PM	ECMO Center Setup And Practice Variations - A Comprehensive International Survey Shriprasad Deshpande

### Screen 4

5:30 PM	A metabolomic study of thrombosis after cardiac surgery in children with congenital heart disease Marnie Huntley
5:45 PM	Multi-modal Analgesia with Ketorolac after Pediatric Cardiac Surgery Reduces Opioid PCA Exposure: A Single Center Experience Jamie Andre
6:00 PM	Extracorporeal Membranous Oxygenation (ECMO) Outcomes in Multisystem Inflammatory Syndrome of Childhood (MIS-C) Noah Miller
6:15 PM	Higher dosage of acetaminophen associated with lower risk of acute kidney injury after pediatric cardiac surgery Melissa Nater
6:30 PM	Nurse Bolus STAT: Recruiting Nurses During a National Staffing Crisis NaShawn Finley

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# Annual International Meeting

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## The Pediatric Cardiac Intensive Care Society 2022 Annual International Meeting Exhibitors



**Children's National**

Booth #1



Booth #103



**JOHNS HOPKINS**  
CHILDREN'S CENTER

Booth #100



Booth #214

**AtriAmp**

Booth #219



Children's Hospital Colorado

Booth #2



Booth #202



Booth #5



Children's  
of Alabama®

Booth #111



Edwards

Booth #218



Booth #210



Booth #106



**JOHNS HOPKINS**  
All Children's Hospital

Booth #116



Booth #215



Booth #3



**Nicklaus**  
Children's  
Hospital

Booth #205



Booth #117



Booth #209



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## The Pediatric Cardiac Intensive Care Society 2022 Annual International Meeting Exhibitors

 Booth #122	 Booth #6	 Booth #208	 Booth #124
 Booth #114	 Booth #110	 Booth #213	 Booth #112
 Booth #109	 Booth #123	 Booth #121	 Booth #115
 Booth #222	 Booth #4	 Booth #126	 Booth #206

## The Pediatric Cardiac Intensive Care Society 2022 Annual International Meeting Supporters

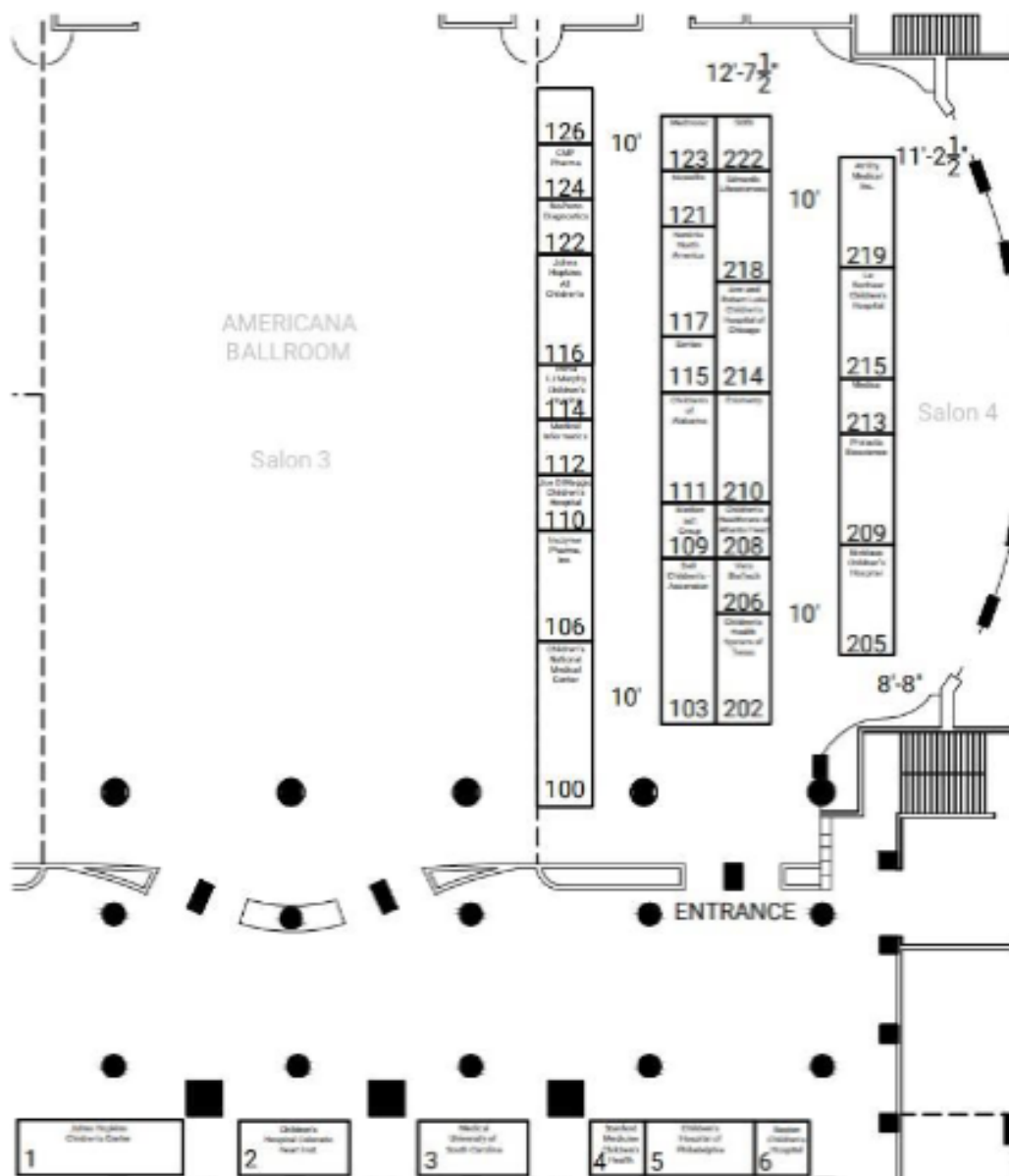
 General Support	 In-Kind Support	 In-Kind Support	 Plenary Session Support	 Welcome Reception
 Welcome Reception & Junior Faculty and Fellows Reception	 Friday Coffee Station	 Friday Lunch	 Friday Poster Reception	 Saturday Coffee Station
 Saturday Lunch & Nurse/APP Networking Reception	 Saturday Poster Reception	 Junior Faculty and Fellows Reception	 Junior Faculty and Fellows Reception	 Nursing Networking Reception

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Location: Loews Miami Beach Hotel



PCICS Exhibit Hall  
Americana Salon 4  
December 15-18, 2022