

**WFPICCS 2024 - 12th Congress of the World Federation of Pediatric Intensive & Critical Care Societies**  
**PRE-CONGRESS WORKSHOP PROGRAM**  
 June 1-5, 2024, Cancun Center, Cancun, Mexico

PRE-CONGRESS WORKSHOP DAY						
SATURDAY, JUNE 1, 2024						
Time Slot	Duration	HALL A	HALL B	HALL C	VIRTUAL HALL A (Workshops will be conducted virtually) Times in GMT -5 time zone.	VIRTUAL HALL B (Workshops will be conducted virtually) Times in GMT -5 time zone.
08:00 - 10:00	2 hours	TRANSPORT OF THE CRITICALLY ILL CHILD WORKSHOP	CARDIAC INTENSIVE CARE- ALL YOU NEED TO KNOW BUT WERE AFRAID TO ASK	ACUTE NON-INVASIVE VENTILATION WORKSHOP – USING THE ICEMAN ALGORITHM		
10:00 - 10:15	15 min	Coffee Break				
10:15 - 12:15	2 hours	Workshop Continue	Workshop Continue	Workshop Continue		
12:15 - 12:45	30 min	Lunch Break				
12:45 - 14:45	2 hours	EXTRACORPOREAL LIFE SUPPORT: FROM A-Z, WHAT YOU SHOULD KNOW WHETHER NOVICE OR EXPERIENCED!	Workshop Continue	Workshop Continue	EARLY MOBILIZATION	MENTAL HEALTH CONSIDERATIONS FOR PEDIATRIC CRITICAL CARE PROVIDERS: A TRAUMA INFORMED APPROACH
14:45 - 15:00	15 min	Break				
15:00 - 17:00	2 hours	Workshop Continue	Workshop Continue	Workshop Continue	Workshop Continue	Workshop Continue

PRE-CONGRESS WORKSHOP DAY									
SUNDAY, JUNE 2, 2024									
Time Slot	Duration	HALL A	HALL B	HALL C	HALL D	HALL E	HALL D	VIRTUAL HALL A (Workshops will be conducted virtually)	VIRTUAL HALL B (Workshops will be conducted virtually)
08:00 - 10:00	2 hours	ADVANCED AIRWAY WORKSHOP: MANAGEMENT OF THE DIFFICULT AIRWAY IN THE PEDIATRIC ICU	PICU LIBERATION, A NETWORKING WORKSHOP: FEASIBILITY, IMPLEMENTATION, AND EFFICACY IN CHILDREN	NEUROMONITORING WORKSHOP IN PICU 1		POINT-OF-CARE-ULTRASOUND IN THE PEDIATRIC INTENSIVE CARE UNIT (English)	LA Symposium	EMERGENCY AND CRITICAL SERVICES IN LOW- AND MIDDLE-INCOME COUNTRIES-MOVING BEYOND DISEASE PREVENTION	TRAINING THE TEAM: INTERACTIVE STRATEGIES TO IMPROVE KNOWLEDGE, SKILLS AND ABILITIES
10:00 - 10:15	15 min	Coffee Break							
10:15 - 12:15	2 hours	Workshop Continue	Workshop Continue	Workshop Continue		Workshop Continue	Symposium Continue	Workshop Continue	Workshop Continue
12:15 - 12:45	30 min	Lunch Break							
12:45 - 14:45	2 hours	MECHANICAL VENTILATION WORKSHOP: OPTIMIZING THE VENTILATORY SUPPORT TO AVOID INJURY	Workshop Continue	NEUROMONITORING WORKSHOP IN PICU 2 (repeat)	PEDIATRIC CARDIAC ARREST POST ROSC CARE	POINT-OF-CARE-ULTRASOUND IN THE PEDIATRIC INTENSIVE CARE UNIT (Spanish)	VENOVENOUS HEMODIAFILTRATION WORKSHOP CONTINUES FOR PEDIATRIC INTENSIVISTS		
14:45 - 15:00	15 min	Break							
15:00 - 17:00	2 hours	Workshop Continue	Workshop Continue	Workshop Continue	Workshop Continue	Workshop Continue	Workshop Continue		
17:00 - 17:30	30 min	Break							
17:30 - 18:00	30 min	Welcome Session							
18:00 - 18:30	30 min	<b>Plenary 1</b> Chair: Jeffrey Burns Reducing health inequalities: Strategies for improving access to quality PICU care Brenda Marrow, South Africa							
18:30 - 19:30	60 min	Welcome Reception							

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MONDAY, JUNE 3, 2024								
Cancun (GMT-5)	Duration	HALL A	HALL B	HALL C	HALL D	HALL E	HALL D	
08:00 - 08:30	30 min	<b>World Cafe 1</b> Ask the expert: Overload index: When is diuretic treatment enough? Moderator: Manuel Soriano Experts: Satoshi Nakagawa, Akash Deep	<b>World Cafe 2</b> Ask the Living Legend: Research in pediatric intensive care, successes and gaps Moderator: Joseph Manning Experts: Martha A.Q. Curley, Jeffrey Burns	<b>World Cafe 3</b> Ask the expert: The pearls and pitfalls of neuroprognosis Moderator: Gustavo Costales Experts: Michaela Waak, Debbie Long	<b>World Cafe 4</b> Ask the expert: Managing neuroprotection after cardiac arrest and TBI Moderator: Vanessa Neaves Ramirez Experts: Barney Schollefield, Ryan Barbara	<b>World Cafe 5</b> Ask the expert: Resuscitation guidelines - where are we going in policy, practice and research? Moderator: Lorena Acevedo Experts: Vinay Nadkarni, Jesus López-Herce		
08:30 - 08:40	10 min	Break						
08:40 - 09:50	80 min	<b>Plenaries</b> Chair: Brenda Morrow Speakers Introduction <b>Plenary 2</b> The power of collaboration: Enhancing multidisciplinary teamwork in pediatric intensive care Asya Aaulnik, USA <b>Plenary 3</b> The role of patients & families in the quality and safety mission: We are ON Debbie Lona, Australia <b>Plenary 4</b> Conceptualizing post intensive care syndrome in children- The PICS-p framework Joseph Manning, UK						
09:50 - 10:20	30 min	Coffee Break & Poster Discussion Rounds						
10:20 - 11:50	90 min	<b>Parallel Session 1</b> <b>The challenge of building a team</b> Co-Chairs: Emma Shkurka	<b>Parallel Session 2</b> <b>Advancing equity and inclusion in PICU</b> Co-Chairs: Laurie Lee, Raúl Cedillo Zaragoza	<b>Parallel Session 3</b> <b>Impact of critical care on the brain</b> Co-Chairs: Sapna Kudchadkar, Verónica Rodríguez Martínez	<b>Parallel Session 4</b> <b>Low resources PICU</b> Co-Chairs: Lihinie de Almeida, Nils Casson	<b>Parallel Session 5</b> <b>The critical patient outside PICU</b> Co-Chairs: Orsola Gawronski		
10:20 - 10:40	20 min	Do we need competent staff or experts in PICU? The challenge for teams Neil Spenceley, UK	Gender equity and diversity in PICU Janet Mattsson, Norway	Brain and ECMO: optimising long term outcomes Ryan Barbaro, USA	How to implement the ABCDEF bundle in different settings Karen Choong, Canada	Cardiopulmonary resuscitation in children: Where are we and where do we go? Vinay Nadkarni, USA		
10:40 - 11:00	20 min	Physical and occupational therapy utilization in a pediatric intensive care unit Adriano Conrado Rodrigues, USA	Role of global collaborations for research & QI Sebastian Gonzalez, Uruguay	Is it possible to avoid delirium? Roberta Esteves de Castro, Brazil	Breaking barriers in pediatric respiratory care: A global perspective Brenda Morrow, South Africa	Multiple angles around critical deterioration/PEWS Gerri Sefton, UK		
11:00 - 11:20	20 min	Promoting resilience through family-centered care: Leveraging resources for holistic support Rujipat Samransamruajkit, Thailand	Parental decision-making in the PICU Sharon Irving, USA	Decisions and adequacy of the therapeutic effort in the ICU Jeffrey Burns, USA	Training in pediatric trauma in resource-limited countries Luis Augusto Moya Barquin, Guatemala	Heart - Kidney Interaction: strategic negotiation in critical periods Juan Carlos Iglesias Castillo, Mexico		
11:20 - 11:50	30 min	Discussion						
11:50 - 12:30	40 min	<b>Oral Presentations 1</b>	<b>Oral Presentations 2</b>	<b>Oral Presentations 3</b>	<b>Oral Presentations 4</b>	<b>Oral Presentations 5</b>	<b>Industry Sponsored Workshop</b>  (registration required)	
11:50 - 12:00	10 min	The first pediatric emergency and critical care fellowship in sub-saharan africa – outputs and lessons learned after four years, Mukokinya Kalemia, Kenya	The post-pandemic rsv surge: trends in pediatric hospitalizations and respiratory support modalities, Melody Duvall, US	Clinical characteristics and evolution of pediatric stroke, Jesus Lopez-Herce, Spain	Estimate of pediatric acute critical illness across resource-limited settings: the global paediatric acute critical illness point prevalence study, Teresa Kartz, US	Development of heart and respiratory rate percentile curves for hospitalised children in the united kingdom (the detect study), Abbey Bracken, UK		
12:00 - 12:10	10 min	Insights into pediatric mechanical ventilation simulation training: a data-driven analysis of learning patterns and behaviors of residents, Lisa Schütze, US	Multicenter variability in fluid management after neonatal cardiac surgery and associations of early diuresis with outcomes, Nicole Stegmeier, US	Blood-based neurologic biomarkers in pediatric cerebral malaria, Madha Q. Raees, US	'I wish we reported earlier': a qualitative study exploring barriers to seeking healthcare and implementing the sepsis-bundle in pediatric patients in a resource-limited country, Vanessa Denny, US	No effect of high-dose vs. standard-dose systemic corticosteroids on length of stay (LOS) in critically ill children with status asthmaticus (SA), Sunit Misra, US		
12:10 - 12:20	10 min	A decision-making grid for multiple clinical trials, Laura Beth Kalvas, US	Echocardiographic phenotypes in sepsis and multiple organ dysfunction, Stella Barbagelato, Chile	Neurodevelopment and quality of life in infants one year after open heart surgery for congenital heart defect: a rct of nitric oxide via cardiopulmonary bypass, Debbie Long, Australia	Hemoperfusion and hemodiafiltration in critically ill pediatric patients with multiple organ dysfunction in a limited resource setting, Sergio Valle, El Salvador	Systemic corticosteroid use in children intubated for lower respiratory tract infections (LRTI): results from the bronchiolitis and codetection (bacon) study, a multinational cohort, Shira Gertz, US		
12:20 - 12:30	10 min	Adherence to lung protective mechanical ventilation strategies in pediatric acute respiratory distress syndrome improves outcomes: an international multicenter study, Rujipat Samransamruajkit, Thailand	Ketamine-midazolam vs fentanyl-midazolam combination as induction agents for tracheal intubation in critically ill children: a pilot, feasibility, open label, randomized controlled trial, Sagar Tungal, India	Continuous cerebral autoregulation monitoring with cerebral oximetry index after neonatal cardiac surgery: preliminary data from an ongoing prospective observational study, Stefano Pezzato, US	Role of lung ultrasound in bronchiolitis patients treated with high-flow nasal cannula, Farah Thabet, Tunisia	Nasal high-flow oxygen during pediatric emergency endotracheal intubation - a randomized trial, Shane George, Australia		
12:30 - 13:40	70 min	Lunch Break & Poster Discussion Rounds						
		12:45 - 13:35 Integrated Emergency, Critical, and Operative Care: WHO's Approach Lee Wallis, WHO			12:50 - 13:35 Industry Sponsored Session 1		12:50 - 13:35 Industry Sponsored Session 2	

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13:40 - 15:10	90 min	<b>Parallel Session 6</b>	<b>Parallel Session 7</b>	<b>Parallel Session 8</b>	<b>Parallel Session 9</b>	<b>Parallel Session 10</b>	<b>Industry Sponsored Workshop (continue)</b> (registration required)	
		<b>Problems affecting PICU daily work</b>	<b>Daily goals setting in the PICU</b>	<b>The critical patient in ED</b>	<b>Survive and thrive through the PICU</b>	<b>Daily bedside decisions</b>		
		Co-Chairs: Mallory Perry-Eaddy, Aric Araujo	Co-Chairs: Susan Khanna	Co-Chairs: John Adabie Appiah	Co-Chairs: Karen Choong, Santiago Campos	Co-Chairs: Barney Scholefield, Laura Lidia González García		
13:40 - 14:00	20 min	Simulation to solve problems effecting PICU daily work <b>Carlos Roman, Mexico</b>	Metabolic and nutrient alterations in the critically ill patient <b>Jacinta Winderlich, Australia</b>	Multiple electrolyte solution vs normal saline for fluid resuscitation <b>Jayashree Muralidharan, India</b>	A core outcome set for pediatric critical care <b>Ericka Fink, USA</b>	Neuromonitoring in acute injury <b>Michaela Waak, Australia</b>		
14:00 - 14:20	20 min	PICU metrics vs PICU reality; How we can achieve standards in our unit? <b>Luis Pedraza, Uruguay</b>	Supporting the diverse needs of families in the PICU/CICU: what is comprehensive care in 2024 <b>Daniel Garros, Canada</b>	Emergency and critical care without walls: global goals <b>Hans Jörg Lang, Senegal</b>	Post-ICU syndrome: Rescuing the undiagnosed <b>Joseph Manning, UK</b>	Acute kidney injury (aki): from perfusion optimization to replacement therapy <b>Akash Deep, UK</b>		
14:20 - 14:40	20 min	The medically complex patient <b>Silvio Torres, Argentina</b>	PICU's outcomes from different resources. How to fill the gap? <b>Satoshi Nakagawa, Japan</b>	Severe acute asthma exacerbations in emergency department. New horizons <b>Ricardo Iramain, Paraguay</b>	Strategies for surviving and thriving as parents in the PICU <b>Florencia Krall, Uruguay</b>	Leveraging resources for optimal patient care for children with cardiac disease in LMIC: The IQIC experience <b>Kathy Jenkins, USA</b>		
14:40 - 15:10	30 min	Discussion	Discussion	Discussion	Discussion	Discussion		
15:10 - 15:30	20 min	<b>Coffee Break</b>						
15:30 - 16:00	30 min	<b>Cases 1</b>	<b>Cases 2</b>	<b>Cases 3</b>	<b>Cases 4</b>	<b>Cases 5</b>		
		Co-Chairs: Rujipat Samransamruajkit	Co-Chairs: Gerri Sefton	Co-Chairs: Pierre Tissieres	Co-Chairs: Lihinie de Almeida	Co-Chairs: Claire Procter		
15:30 - 15:45	15 min	Prolonged picu admission, challenges in diagnosis and treatment in a child with hyper igm syndrome in a tertiary hospital in tanzania: a case report, <b>Aika Abia Shoo, Tanzania</b>	Awake veno-venous extracorporeal life support in a pediatric patient: use of picustars liberation bundle to achieve early mobility, <b>Alexandra Ferguson, Australia</b>	Pediatric ARDS after CAR-T therapy, <b>Long Xiang, China</b>	An unlikely storm: a multi-disciplinary approach to cytokine storm and acute heart failure in an adolescent with coxsackie virus, <b>Elena Insley, US</b>	Early cardiac catheterization during extracorporeal membrane oxygenation after congenital cardiac surgery, <b>Silvia Torres, Argentina</b>		
15:45 - 16:00	15 min	Pyroglutamic acid: an unusual cause of pediatric anion gap acidosis, <b>Jillian Olsen, US</b>	Extracorporeal cardiopulmonary resuscitation for pediatric massive pulmonary embolism with crohn's disease, <b>Tadahito Kato, Japan</b>	Prehospital advanced resuscitative care for penetrating trauma with severe hemorrhage, <b>Mark Piehl, US</b>	Successful subdural empyema evacuation in a pediatric patient on veno-venous extracorporeal membrane oxygenation, <b>Manasa Kanukurthy, US</b>	Virtually guided echocardiography to refine cardiac care in limited resource settings: a case discussion, <b>Alexia Santos, US</b>		
16:00 - 16:05	5 min	<b>Break</b>						
16:05 - 16:25	20 min	<b>Plenary 5</b>						
		Co-Chairs: Yolanda M López-Fernández						
		New horizons in pediatric ARDS: Translating research into practice <b>Robinder Khemanj, USA</b>						

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08:00 - 08:30	30 min	<b>World Cafe 6</b> <i>Ask the expert: Do we define chronic critical illness in children, or I know it when I see it?</i> Moderator: Silvia Torres, Alexandra Ferguson Experts: Lauren Sorce, Jimena del Castillo	<b>World Cafe 7</b> <i>Ask the expert: HFC: pros and cons in acute bronchialitis</i> Moderator: Brenda Morrow, Sheila Yadira Gómez Murillo Experts: Daniel Garros, Alberto Medina	<b>World Cafe 8</b> <i>Ask the expert: Managing ventilation in PARDS</i> Moderator: Yolanda Lopez Fernandez Experts: Martin Kneyber, Robinder Khemani	<b>World Cafe 9</b> <i>Ask the expert: How to provide optimal nutrition to critically unwell children in the PICU?</i> Moderator: Juan Carlos Iglesias Castillo Experts: Santiago Campos, Jacinta Winderlich	<b>World Cafe 10</b> <i>Ask the expert: Managing delirium in the PICU</i> Moderator: Joseph Manning, Julia Acuña Appleyard Experts: Debbie Long, Chani Traube
08:30 - 08:40	10 min	<b>Plenaries</b> Co-Chairs: Alexandra Ferguson Speakers Introduction <b>Plenary 6</b> <i>Fluids in pediatric sepsis - what is the fuss? Restricted, liberal or cautious?</i> Jaime Fernandez Sarmiento, Colombia <b>Plenary 7</b> <i>Innovations in pediatric renal patient management: Harnessing research and technological resources</i> Mianan McCulloch, South Africa <b>Plenary 8</b> <i>Pediatric cardiac intensive care: Reflections and lessons through the decades</i> Lara Shekerdemian, USA				
08:40 - 09:50	80 min					
08:40 - 08:50	10 min					
08:50 - 09:10	20 min					
09:10 - 09:30	20 min					
09:30 - 09:50	20 min					
09:50 - 10:20	30 min					
10:20 - 11:50	90 min					
<b>Coffee Break &amp; Poster Discussion Rounds</b>						
		<b>Parallel Session 11</b>	<b>Parallel Session 12</b>	<b>Parallel Session 13</b>	<b>Parallel Session 14</b>	<b>Parallel Session 15</b>
		<b>Heart - lung - brain - kidney cross talk</b>	<b>Global problems</b>	<b>Mechanical ventilation: p-SILI or VILI?</b>	<b>Post resuscitated patient in different contexts</b>	<b>ECMO Opportunities, controversies, and challenges</b>
		Co-Chairs: Jacqueline Ong (TBC), Carlos Jesús Barrera Alonzo	Co-Chairs: Aranza Sanchez Cervantes	Co-Chairs: Yolanda M López-Fernández, Jorge Néstor Soriano Martínez	Co-Chairs: Claire Procter, Gabriela Ruiz Quilonez	Co-Chairs: Juan Carlos Iglesias Castillo, Aarón Rodríguez Sánchez
10:20 - 10:40	20 min	<i>Heart-Lung interactions in the CICU. When should we extubate?</i> Lara Shekerdemian, USA	<i>Multidisciplinary ICU care to optimize outcomes for children undergoing cardiac surgery</i> Patricia Bastero, USA	<i>A physiological approach to understand the role of respiratory effort in the progression of lung injury</i> Pablo Cruces, Chile	<i>New definitions for brain death</i> Jesus López-Herce, Spain	<i>Post-resuscitation care after ECMO to support CPR - what is important?</i> Ravi Thiagarajan, USA
10:40 - 11:00	20 min	<i>Interaction between heart, lung, brain and kidney</i> Pierre Tissieres, France	<i>Global clinical challenges in pediatric ventilation liberation</i> Robinder Khemani, USA	<i>NIV and HFNC as a first line of management of respiratory management of respiratory failure in pediatrics</i> Alberto Medina, Spain & Alexandre Rotta, USA	<i>Supporting neuro-developmental outcomes post resuscitation</i> Debbie Long, Australia	<i>Anticoagulation challenges in ECMO</i> Rene Gomez, Mexico & Heidi Dalton, USA
11:00 - 11:20	20 min	<i>Indications for KRT in acute renal failure in the ICU</i> Stuart Goldstein, USA	<i>Protecting children in disasters</i> Manu Sundaram, Qatar	<i>Should we let our patient spontaneously breathe?</i> Rodrigo Sebastian Adasme Jeria, Chile	<i>Quality of life in post pediatric cardiopulmonary resuscitation</i> Jimena del Castillo, Spain	<i>Early rehabilitation and mobilization on ECMO: Friend or enemy?</i> Emma Shkurka, UK
11:20 - 11:50	30 min	Discussion	Discussion	Discussion	Discussion	Discussion
11:50 - 12:30	40 min	<b>Oral Presentations 6</b>	<b>Oral Presentations 7</b>	<b>Oral Presentations 8</b>	<b>Oral Presentations 9</b>	<b>Oral Presentations 10</b>
11:50 - 12:00	10 min	<i>Validation and applicability of the phoenix sepsis score in low-resource settings.</i> Raul Rafael Copana Olmos, Bolivia	<i>NICU to PICU transfers in the united states: a survey of critical care physicians.</i> Phillip D. Cohen, US	<i>Pediatric non-invasive respiratory support failure: risk factors &amp; outcomes in Latin America.</i> Monica Decia, Colombia	<i>Utilizing SpO2/FiO2 to predict need for escalation of respiratory support and length of stay in the pediatric intensive care unit.</i> Jessica Serventi-Gleeson, US	<i>Pediatric extracorporeal membrane oxygenation anticoagulation collaborative (PEACE) consensus conference.</i> Peta Alexander, US
12:00 - 12:10	10 min	<i>Relationship between use of inodilators and changes in microvascular flow and endothelium in children with sepsis.</i> Jaime Fernandez, Colombia	<i>Socioeconomic deprivation and pediatric intensive care unit (PICU) admission and outcomes in Alberta.</i> Laurie A. Lee, Canada	<i>Rapid weaning protocol for high-flow nasal cannula in pediatric intensive care: impact on support times.</i> Pablo Vasquez Hoyos, Colombia	<i>Improving outcomes for critically ill pediatric cancer patients in argentina using proactive as a quality tool.</i> Silvia Torres, Argentina	<i>Mobilization of pediatric extracorporeal membrane oxygenation patients: a feasibility study.</i> Tabitha Zanen - van den Adel, Netherlands
12:10 - 12:20	10 min	<i>Association between the lactate-albumin ratio and changes in microcirculation in pediatric septic patients.</i> Maria Camila Perez, Colombia	<i>Characterization of Canadian picu infrastructure design and renovations: a national cross-sectional study.</i> Taneille Johnson, Canada	<i>Protective mechanisms of cpap on lungs and diaphragm in experimental patient self-inflicted lung injury.</i> Pablo Cruces, Chile	<i>Early mobilization in critically ill children: a quality improvement study.</i> Anissa Lahfafa, Canada	<i>Critical hematology oncology referral pathway for extracorporeal membrane oxygenation (CHORPE): Improving access and outcomes.</i> Hitesh Sandhu, US
12:20 - 12:30	10 min	<i>Diagnosing sepsis in children with cancer using a machine learning algorithm extensible to bedside.</i> Carolina Oberg Ribeiro, Brazil	<i>A closer look into the nutritional support of overweight and obese children admitted to the picu.</i> Nicole Knebusch, US	<i>Lung protective mechanical ventilation protocol vs. standard care in pediatric acute respiratory distress syndrome: a before-and-after international study.</i> Hiroshi Kurosawa, Japan	<i>Extubation failure and length of respiratory support post extubation in children admitted to intensive care.</i> Andreas Schibler, Australia	<i>Lung-protective vs ultra-lung-protective ventilation in children with ECMO support.</i> Lorena Acevedo, Colombia
12:30 - 13:40	70 min	<b>Lunch Break &amp; Poster Discussion Rounds</b> 12:45 - 13:35 <b>Mindfulness Session</b> Rahul Joshi, Australia			12:30 - 13:35 <b>Industry Sponsored Session 3</b>	

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13:40 - 15:10	90 min	<b>Parallel Session 16</b> <b>Sepsis definition</b> Co-Chairs: Pierre Tissieres, Raúl Cedillo Zaragoza	<b>Parallel Session 17</b> <b>Less is more</b> Co-Chairs: Michaela Waak	<b>Parallel Session 18</b> <b>The unstable PICU patient</b> Co-Chairs: Barney Scholefield (TBC), Laura Lidia González García	<b>Parallel Session 19</b> <b>The acute PICU patient</b> Co-Chairs: Alexandra Ferguson, Pameri OrLz Equihua	<b>Parallel Session 20</b> <b>Applying physiology to practice</b> Co-Chairs: Michele Luglio
13:40 - 14:00	20 min	Paediatric sepsis criteria – an historical perspective <b>Lauren Sorce, USA</b>	Mechanical power and its use in the paediatric critical care setting <b>Martin Kneyber, Netherlands</b>	Hemodynamic monitoring of the critically ill pediatric patient: a global perspective <b>Suchitra Ranjit, India</b>	POCUS blood volume and fluid overload <b>Saul Flores, USA</b>	Oxygen in the PICU- how much is too much? <b>Mark Peters, UK</b>
14:00 - 14:20	20 min	The new sepsis definition <b>Daniela de Souza, Brazil</b>	Precision medicine in fluid resuscitation, is the way? <b>Jaime Fernández, Colombia</b>	Hemorrhage control, hemodynamic and hemostatic resuscitation in polytraumatized patients <b>Philo C Spinella, USA</b>	Advancing clinical decision-making: Machine learning applications in the PICU <b>Neel Shah, USA</b>	Albumin in burn shock resuscitation - yes or no? <b>W Brunow de Carvalho, Brazil</b>
14:20 - 14:40	20 min	Sepsis definition into practice: Think globally, act locally <b>Andrew Argent, South Africa</b>	Having hugs instead of drugs for sedation. Non pharmacological management <b>Anne-Sylvie Ramelet, Switzerland</b>	Priorities for research and practice in the transport of critically ill <b>Arun Bansal, India</b>	Early mobilization in LMIC countries: recommendations adjusted to reality <b>Cintia Johnston, Brazil</b>	Current debates on PICU anticoagulation <b>Marianne Nellis, USA</b>
14:40 - 15:10	30 min	Discussion	Discussion	Discussion	Discussion	Discussion
15:10 - 15:30	20 min	<b>Coffee Break</b>				
15:30 - 16:00	30 min	<b>Cases 6</b> Co-Chairs: Roberto Jabornisky	<b>Cases 7</b> Co-Chairs: Laurie Lee	<b>Cases 8</b> Co-Chairs: Jackie Ong	<b>Cases 9</b> Co-Chairs: Emma Shkurka	<b>Cases 10</b> Co-Chairs: Michele Luglio
15:30 - 15:45	15 min	Empyema necessitatis caused by prevotella melaninogenica and dialister pneumosintes resolved with the vac system: case report, <b>Sandra Tania Ventura Gómez, Mexico</b>	Novel complete endovascular approach for first stage management of high surgical risk patients with hypoplastic left heart syndrome: first latin american experience, <b>Keyla Meneses Silvera, Colombia</b>	Refractory hyperlactatemia despite extracorporeal membrane oxygenation (ecmo) in a pediatric patient with intestinal failure – think about thiamine deficiency! <b>Paige Burgess, Canada</b>	Clippers syndrome: an emerging diagnostic challenge, <b>Camila Ariza, Colombia</b>	Extra-pontine myelinolysis in a child with inadvertent rapid correction of chronic hyponatremia: effective treatment and full recovery with high dose methylprednisolone and immunoglobulin, <b>Bedangshu Saikia, UK</b>
15:45 - 16:00	15 min	Severe necrotizing pneumonia and pai-1 polymorphism: unraveling the relationship and implications, <b>Cassiano Goulart, Brazil</b>	Marathon unveils a pathogenic lqt1-causing variant managed by cardiac sympathetic denervation in teenager, <b>Ruchi Sahota, US</b>	Effective use of pegaso® a-cough peric in the intubated child, <b>Alexandra Ferguson, Australia</b>	Tetanus experience in a single critical care unit of middle incomes and limited resources in Acapulco Guerrero Mexico, <b>Fernandez Vera Emmanuelle Dexus Gabriel, Mexico</b>	Complex cardiac arrhythmia management in the icu for an adolescent with friedreich's ataxia: a case report, <b>Oluwatamini Fashina, US</b>
16:00 - 16:05	5 min	<b>Break</b>				
16:05 - 16:25	20 min	<b>Plenary 9</b> Co-Chairs: Lauren R Sorce Reflections on clinical research in pediatric critical care – priorities going forward <b>Martha A.O. Curley, USA</b>				

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WEDNESDAY, JUNE 5, 2024						
Cancun (GMT-5)	Duration	HALL A	HALL B	HALL C	HALL D	HALL E
08:00 - 08:30	30 min	<b>World Cafe 11</b> Ask the expert: Early mobilization in intubated patient? Let's take the patient out of bed Moderator: Sebastian Godoy Experts: Sapna Kudchadkar, Karen Chaong	<b>World Cafe 12</b> Ask the expert: Difficult to sedate - what to do? Moderator: Analia Fernandez Experts: Anne-Sylvie Ramelet, Santiago Mencia	<b>World Cafe 13</b> Ask the expert: How do I manage Non Invasive Ventilation and P-SILI? Moderator: Cintia Johnston Experts: Pablo Cruces, Yolanda M Lopez Fernandez	<b>World Cafe 14</b> Ask the expert: Can I use ChatGPT in PICU? Moderator: Sebastian Gonzalez Experts: Philippe Jouvet, Jackie Ong	<b>World Cafe 15</b> Ask the expert: Can I use ChatGPT in PICU? Moderator: Patricia Bastero Experts: Philip C Spinello, Marianne E Nellis
08:30 - 08:40	10 min	Break				
08:40 - 09:50	80 min	<b>Plenaries</b> Co-Chairs: Satoshi Nakaawa Speakers Introduction <b>Plenary 10</b> Future horizons: Exploring the potential of artificial intelligence in pediatric ICU settings Nelson Sanchez Pinto, USA <b>Plenary 11</b> Progress in pediatric critical care in the Latin America Werther Brunow de Carvalho, Brazil <b>Plenary 12</b> Enhancing access to essential pediatric critical care in low-resource contexts through climate-resilient health facilities Hans-Jörg Lang, Senegal				
09:00 - 09:30	20 min	Coffee Break				
09:50 - 10:20	30 min	Coffee Break				
10:20 - 11:50	90 min	<b>Parallel Session 21</b>  <b>Intelligent PICU</b>  Co-Chairs: Gerri Sefton, Emmanuel Fernandez Vera	<b>Parallel Session 22</b>  <b>Climate resilient health facilities and improvement of access to essential paediatric emergency and critical care in low-resource contexts</b>  Co-Chairs: Hans Jörg Lang, Luis Moya Barquin	<b>Parallel Session 23</b>  <b>Individualizing the care</b>  Co-Chairs: Rujapat Samransamruajkit, Daniel Luque Fernandez	<b>Parallel Session 24</b>  <b>Patient comfort</b>  Co-Chairs: David Zorko, Julia Acuña	<b>Parallel Session 25</b>  <b>Lessons from the past</b>  Co-Chairs: Peirre Tissieres, Shayl Zamira Chacon Tapia
10:20 - 10:40	20 min	Pediatric critical care unleashed: Navigating advancements and collaboration through social media Jackie Ong, Singapore	Essential paediatric critical care – implementation and training in a large paediatric hospital in Freetown (Sierra Leone). Urban scenario – unreliable electricity grid Nellie Bell, Sierra Leone	Individualized and contextualized approach to pediatric critical care patient Lauren Sorce, USA	Analgesation for pediatric procedures Sapna Kudchadkar, USA	Family presence in the PICU - lessons learned from the COVID 19 restricted visitation policies Laurie Lee, Canada
10:40 - 11:00	20 min	Clinical trials in low and middle income countries Sebastian Gonzalez, Uruguay	Essential paediatric critical care – climate health, insights and solutions from the MDT Michael Pienaar, South Africa	Optimizing individualised developmental care Alexandra Ferguson, Australia	Palliative care in the ICU: What is the role of the pharmacist? Maria Busqueta Mendoza (TBC), Mexico	Treatment-related mortality for haem-onc paediatric patients in low and middle income countries Asya Aquilnik, USA
11:00 - 11:20	20 min	Use of generative AI in pediatric critical care Philippe Jouvet, Canada	Engineering solution attempts: renewable energy solution for health facilities, responding to requirement of essential paediatric critical care Walter Commerell, Germany	When is it valid to start neuroprognosis in TBI? Barney Scholefield, Canada	Developmental care as a mitigator to PICU-acquired brain injury Gustavo Costales, Argentina	Staff wellbeing Gillian Colville, UK
11:20 - 11:50	30 min	Discussion	Discussion	Discussion	Discussion	Discussion
11:50 - 12:30	40 min	<b>Oral Presentations 11</b>	<b>Oral Presentations 12</b>	<b>Oral Presentations 13</b>	<b>Oral Presentations 14</b>	<b>Oral Presentations 15</b>
11:50 - 12:00	10 min	Impala project: revolutionizing pediatric critical care in low-resource settings with predictive monitoring, Job Calis, Netherlands	Lesotho national oxygen dashboard for real-time monitoring and forecasting of hospital oxygen supply and demand, Nicole Shilkofski, US	Automatic recruitment maneuvers detection in mechanically ventilated pediatric patient, Francis Olivier Beauchamp, Canada	Unplanned inpatient transfers to the pediatric intensive care unit: a qualitative descriptive study of parental experiences, Molly Ryan, Canada	Pediatric acute respiratory failure in severe Covid-19: drive pressure is associated with mortality, Emmerson CF de Farias, Brazil
12:00 - 12:10	10 min	Impala project: comparing and improving existing risk score for pediatric critical care monitoring, Job Calis, Netherlands	Predictors of deterioration in children admitted to the high dependency unit (hdu) in 2 hospitals in Malawi with machine learning, William Nkhono, Netherlands	MTHFR gene polymorphism induce endothelial-macrophage hyperinflammation activation syndrome and thrombosis in children with Sars-Cov 2: case series and literature review, Cristina Manjaja, Brazil	Sleep disruption and pediatric delirium in the restore resilience clinical trial, Laura Beth Kalvas, US	Comparative analysis of severe adenovirus and respiratory syncytial virus infections in pediatric patients with acute respiratory failure in Latin America, Sebastián González-Dambrauskas, Colombia
12:10 - 12:20	10 min	The impact of a proactive care transition using technology in a low resource setting: the experience of St Luke's hospital in Malawi, Africa, Margon Rakers, Netherlands	Validity of various pediatric early warning scores (PEWS) in malnourished children in the emergency room, Arun Bansal, India	Factors associated with early death provides insights into patient selection for extracorporeal life support, Sam Hickey, US	Sound levels and anxiety scores in critically ill children: a case series, Karin Reuter-Rice, US	Relationship between prolonged capillary refill time and microvascular changes in children with sepsis, Shirley Vanessa Lamprea, Colombia
12:20 - 12:30	10 min	Command center in a pediatric cardiac intensive care unit. A novel strategy to prevent cardiac arrest? Alejandro Lopez Magallon, US	The impact of limited resources on the triage and outcomes of critically ill infants in a war zone, Elizabeth Espinoza, US	Risk factors for dialysis dependence in critically ill children requiring continuous kidney replacement therapy for acute kidney injury, Yusuke Tokuda, Japan	An electroencephalography-based sleep index and supervised machine learning as a suitable tool for automated sleep classification in children, Eris van Twist, Netherlands	Characterisation of paediatric sepsis mortality in Queensland 2004-2021: the Queensland paediatric sepsis mortality study, Paula Lister, Australia
12:30 - 13:40	70 min	Lunch Break & Poster Viewing				

**WFPICCS 2024 - 12th Congress of the World Federation of Pediatric Intensive & Critical Care Societies**  
**PRE-CONGRESS WORKSHOP PROGRAM**  
 June 1-5, 2024, Cancun Center, Cancun, Mexico

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Cancun (GMT-5)	Duration	HALL A	HALL B	HALL C	HALL D	HALL E
13:40 - 15:10	90 min	<b>Parallel Session 26</b> <b>Restoring organ function</b>	<b>Parallel Session 27</b> <b>Going to the future</b>	<b>Parallel Session 28</b> <b>Going through the storm</b>	<b>Parallel Session 29</b> <b>Developing PICU's future workforce</b>	<b>Parallel Session 30</b> <b>PICU's collaboration</b>
		Co-Chairs: Arun Bansal, Carlos Acuña	Co-Chairs: Yolanda M López-Fernández, Diego Gustavo Garay Carmona	Co-Chairs: Debbie Long, Luis Pedraza	Co-Chairs: Andrew Argent, Joan Stephanie Cells Jasso	Co-Chairs: Anne-Sylvie Ramelet, Jesus Dominguez
13:40 - 14:00	20 min	<i>The role of CRRT/plasmapheresis in acute liver failure</i> <b>Paloma Dorao, Spain</b>	<i>Drug dosing in PICU: One size does not fit all</i> <b>Michele Cree, Australia</b>	<i>Activation - integration - collaboration: Families as partners in the team</i> <b>Fenelia Gill, Australia</b>	<i>Developing the blueprint in pediatric intensive training in americas</i> <b>Analia Fernandez, Argentina</b>	<i>Facing the death of a patient in PICU</i> <b>Ashleigh Butler, Australia</b>
14:00 - 14:20	20 min	<i>Early BRT in patients with renal failure pro vs. Con</i> <b>Xavier Flores, USA &amp; Manuel Enrique Soriano Aguilar, Mexico</b>	<i>Challenges with post-operative care and discharge planning of children with single ventricle CHD in the ICU and beyond</i> <b>Sandra Staveski, USA</b>	<i>Family - professional conflict in the PICU: when things go really wrong</i> <b>Santiago Mendia, Spain</b>	<i>Clinical simulation as a tool for multi-disciplinary education</i> <b>Orsola Gawronski, Italy</b>	<i>Working with families to ensure best interest of the child - conflict</i> <b>Susan Khanna, Australia</b>
14:20 - 14:40	20 min	<i>Pediatric pre- and post-transplant rehabilitation - considerations and implementation</i> <b>Emma Shkurka, UK</b>	<i>The role of technology to improve transport of critically ill children</i> <b>Padmanabhan Ramnarayan, UK</b>	<i>Safety begins with teamwork</i> <b>Lorena Acevedo, Colombia</b>	<i>Next PICU generations: is the quality of personal life more important than the quality of training and education?</i> <b>Derek S. Wheeler, USA</b>	<i>Deconditioning in the PICU: the role of the bedside nurse</i> <b>Mallory Perry-Eaddy, USA</b>
14:40 - 15:10	30 min	Discussion	Discussion	Discussion	Discussion	Discussion
15:10 - 15:30	20 min	<b>Coffee Break</b>				
15:30 - 15:50	20 min	<b>Closing ceremony</b>				
15:50 - 16:10	20 min	<b>Plenary 13</b>				
		Chair: Brenda Marrow				
		Omics in PICU: How can we "Split" after we "Lump"				
		<b>Heidi Flori, USA</b>				
16:10 - 16:25	15 min	<b>Handover ceremony</b>				