

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

Cancun (GMT-5)	Duration	HALL 1	HALL 2	HALL 3	HALL 4	HALL 5		
<b>PRE-CONGRESS WORKSHOP DAY</b>								
<b>SATURDAY, JUNE 1, 2024</b>								
Time Slot	Cancun (GMT-5)	Duration	HALL 1	HALL 2	HALL 3	VIRTUAL HALL 1 (Workshops will be conducted virtually) Times in GMT -5 time zone.	VIRTUAL HALL 2 (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		THE SCCM REVIEWER ACADEMY	
10:00 - 10:15		15 min	COFFEE BREAK					
10:15 - 12:15		2 hours	Workshop Continue	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	Cancun (GMT-5)	Duration	HALL 1	HALL 2	HALL 3	HALL 4	HALL 5	HALL 6	VIRTUAL HALL 1 (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	GETTING STARTED IN RESEARCH? TOOLS TO TAKE YOU FROM CONCEPT TO COMPLETION IN CLINICAL RESEARCH	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
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
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 HEMODIATRIFILTRATION WORKSHOP CONTINUES FOR PEDIATRIC INTENSIVISTS	TRAINING THE TEAM: INTERACTIVE STRATEGIES TO IMPROVE KNOWLEDGE, SKILLS AND ABILITIES
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	Workshop Continue
17:00 - 17:30		30 min	BREAK						
17:30 - 18:00		30 min	Welcome Session						
18:00 - 18:30		30 min	Plenary 1						
			Reducing health inequalities: Strategies for improving access to quality PICU care Brenda Morrow, South Africa						
18:30 - 19:30		60 min	Welcome Reception						

MONDAY, JUNE 3, 2024						
Cancun (GMT-5)	Duration	HALL 1	HALL 2	HALL 3	HALL 4	HALL 5
08:00 - 08:30	30 min	<b>World Cafe 1</b> Ask the expert: Overload index: When is diuretic treatment enough? Moderator: Manuel Soriano	<b>World Cafe 2</b> Ask the Living Legend: Research in pediatric intensive care, successes and gaps Moderator: Joseph Manning	<b>World Cafe 3</b> Ask the expert: The pearls and pitfalls of neuroprognosis Moderator: Gustavo Costales	<b>World Cafe 4</b> Ask the expert: Managing neuroprotection after cardiac arrest and TBI Moderator: Vanessa Neves Ramirez	<b>World Cafe 5</b> Ask the expert: Resuscitation guidelines - where are we going in policy, practice and research? Moderator: Lorena Acevedo
08:00 - 08:30	10 min	Experts: Satoshi Nakagawa, Akash Deep	Experts: Martha A.Q. Curley, Jeffrey Burns	Experts: Michaela Waak, Debbie Long	Experts: Barney Scholefield, Ryan Barbara	Experts: Vinay Nadkarni, Jesus López-Herce
08:30 - 08:40	10 min	BREAK				
08:40 - 09:50	80 min	<b>Plenaries</b>				
08:40 - 08:50	10 min	Speakers Introduction				
08:50 - 09:10	20 min	<b>Plenary 2</b>				
		The power of collaboration: Enhancing multidisciplinary teamwork in pediatric intensive care Asya Agulnik, USA				
09:10 - 09:30	20 min	<b>Plenary 3</b>				
		The role of patients & families in the quality and safety mission: We are ON Debbie Long, Australia				
09:30 - 09:50	20 min	<b>Plenary 4</b>				
		Conceptualizing post intensive care syndrome in children-The PICS-p framework Joseph Manning, UK				

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09:50 - 10:20	30 min	BREAK				
10:20 - 11:50	90 min	<b>Parallel Session 1</b> <b>The challenge of building a team</b> <i>Do we need competent staff or experts in PICU? The challenge for teams</i> Neil Spenceley, UK	<b>Parallel Session 2</b> <b>Advancing equity and inclusion in PICU</b> <i>Gender equity and diversity in PICU</i> Janet Mattsson, Norway	<b>Parallel Session 3</b> <b>Impact of critical care on the brain</b> <i>Brain and ECMO: optimising long term outcomes</i> Ryan Barbaro, USA	<b>Parallel Session 4</b> <b>Low resources PICU</b> <i>How to implement the ABCDEF bundle in different settings</i> Karen Choong, Canada	<b>Parallel Session 5</b> <b>The critical patient outside PICU</b> <i>Cardiopulmonary resuscitation in children: Where are we and where do we go?</i> Vinay Nadkarni, USA
10:20 - 10:40	20 min	<i>Physical and occupational therapy utilization in a pediatric intensive care unit</i> Adriano Conrado Rodrigues, USA	<i>Role of global collaborations for research &amp; QI</i> Sebastian Gonzalez, Uruguay	<i>Is it possible to avoid delirium?</i> Roberto Esteves de Castro, Brazil	<i>Breaking barriers in pediatric respiratory care: A global perspective</i> Brenda Morrow, South Africa	<i>Multiple angles around critical deterioration/PEWS</i> Gerri Sefton, UK
11:00 - 11:20	20 min	<i>Promoting resilience through family-centered care: Leveraging resources for holistic support</i> Rujipat Samransamruajkit, Thailand	<i>Parental decision-making in the PICU</i> Sharon Irving, USA	<i>Decisions and adequacy of the therapeutic effort in the ICU</i> Jeffrey Burns, USA	<i>Training in pediatric trauma in resource-limited countries</i> Luis Augusto Moya Barquin, Guatemala	<i>Heart - Kidney interaction: strategic negotiation in critical periods</i> Juan Carlos Iglesias Castillo, Mexico
11:20 - 11:50	30 min	Discussion				
11:50 - 12:30	40 min	<b>Oral Presentations 1</b> <i>The first pediatric emergency and critical care fellowship in sub-saharan africa – outputs and lessons learned after four years.</i> Mukokinya Kallema, Kenya	<b>Oral Presentations 2</b> <i>The post-pandemic rsv surge: trends in pediatric hospitalizations and respiratory support modalities.</i> Melody Duvall, US	<b>Oral Presentations 3</b> <i>Clinical characteristics and evolution of pediatric stroke.</i> Jesus Lopez-Herce, Spain	<b>Oral Presentations 4</b> <i>Estimate of pediatric acute critical illness across resource-limited settings: the global paediatric acute critical illness point prevalence study.</i> Teresa Kortz, US	<b>Oral Presentations 5</b> <i>Development of heart and respiratory rate percentile curves for hospitalised children in the united kingdom (the detect study).</i> Abbey Bracken, UK
12:00 - 12:10	10 min	<i>Insights into pediatric mechanical ventilation simulation training: a data-driven analysis of learning patterns and behaviors of residents.</i> Lisa Schütze, US	<i>Multicenter variability in fluid management after neonatal cardiac surgery and associations of early diuresis with outcomes.</i> Nicole Stegmeier, US	<i>Blood-based neurologic biomarkers in pediatric cerebral malaria.</i> Madhira Q. Raees, US	<i>'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.</i> Vanessa Denny, US	<i>No effect of high-dose vs. standard-dose systemic corticosteroids on length of stay (LOS) in critically ill children with status asthmaticus (SA).</i> Sunit Misra, US
12:10 - 12:20	10 min	<i>A decision-making grid for multiple clinical trials.</i> Laura Beth Kalvas, US	<i>Echocardiographic phenotypes in sepsis and multiple organ dysfunction.</i> Stella Barbagelata, Chile	<i>Neurodevelopment and quality of life in infants one year after open heart surgery for congenital heart defect: a rect of nitric oxide via cardiopulmonary bypass.</i> Debbie Long, Australia	<i>Hemoperfusion and hemodiafiltration in critically ill pediatric patients with multiple organ dysfunction in a limited resource setting.</i> Sergio Valle, El Salvador	<i>Systemic corticosteroid use in children intubated for lower respiratory tract infections (LRTI): results from the bronchiolitis and codetection (bacon) study, a multinational cohort.</i> Gertz Shira, US
12:20 - 12:30	10 min	<i>Adherence to lung protective mechanical ventilation strategies in pediatric acute respiratory distress syndrome improves outcomes: an international multicenter study.</i> Rujipat Samransamruajkit, Thailand	<i>Ketamine-midazolam vs fentanyl-midazolam combination as induction agents for tracheal intubation in critically ill children: a pilot, feasibility, open label, randomized controlled trial.</i> Tungal Sagar, India	<i>Continuous cerebral autoregulation monitoring with cerebral oximetry index after neonatal cardiac surgery: preliminary data from an ongoing prospective observational study.</i> Pezrato Stefano, US	<i>Role of lung ultrasound in bronchiolitis patients treated with high-flow nasal cannula.</i> Farah Thabet, Tunisia	<i>Nasal high-flow oxygen during pediatric emergency endotracheal intubation - a randomized trial.</i> Shane George, Australia
12:30 - 13:40	70 min	Lunch Break & Industry Sessions (45 min) & Poster Viewing				
					12:50 - 13:35 Industry Sponsored Session	12:50 - 13:35 Industry Sponsored Session
13:40 - 15:10	90 min	<b>Parallel Session 6</b> <b>Problems affecting PICU daily work</b> <i>Simulation to solve problems effecting PICU daily work</i> Carlos Roman, Mexico	<b>Parallel Session 7</b> <b>Daily goals setting in the PICU</b> <i>Metabolic and nutrient alterations in the critically ill patient</i> Jacinta Winderlich, Australia	<b>Parallel Session 8</b> <b>The critical patient in ED</b> <i>Multiple electrolyte solution vs normal saline for fluid resuscitation</i> Jayashree Muralidharan, India	<b>Parallel Session 9</b> <b>Survive and thrive through the PICU</b> <i>A core outcome set for pediatric critical care</i> Ericka Fink, USA	<b>Parallel Session 10</b> <b>Daily bedside decisions</b> <i>Neuromonitoring in acute injury</i> Michaela Waak, Australia
13:40 - 14:00	20 min	<i>PICU metrics vs PICU reality; How we can achieve standards in our unit?</i> Luis Pedraza, Uruguay	<i>Supporting the diverse needs of families in the PICU/CICU: what is comprehensive care in 2024</i> Daniel Garros, Canada	<i>Emergency and critical care without walls: global goals</i> Hans Jörg Lang, Senegal	<i>Post-ICU syndrome: Rescuing the undiagnosed</i> Joseph Manning, UK	<i>Acute kidney injury (aki): from perfusion optimization to replacement therapy</i> Akash Deep, UK
14:00 - 14:20	20 min	<i>The medically complex patient</i> Silvia Torres, Argentina	<i>PICU's outcomes from different resources. How to fill the gap?</i> Satoshi Nakagawa, Japan	<i>Severe acute asthma exacerbations in emergency department. New horizons</i> Ricardo Iramain, Paraguay	<i>Strategies for surviving and thriving as parents in the PICU</i> Florenca Krall, Uruguay	<i>Leveraging resources for optimal patient care for children with cardiac disease in LMIC: The IQIC experience</i> Kathy Jenkins, USA
14:40 - 15:10	30 min	Discussion				
15:10 - 15:30	20 min	Coffee Break				
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>
15:30 - 15:45	15 min	<i>Prolonged picu admission, challenges in diagnosis and treatment in a child with hyper igm syndrome in a tertiary hospital in tanzania: a case report.</i> Alka Abia Shoo, Tanzania	<i>Awake veno-venous extracorporeal life support in a pediatric patient: use of picustars liberation bundle to achieve early mobility.</i> Alexandra Ferguson, Australia	<i>Pediatric ARDS after CAR-T therapy.</i> Long Xiang, China	<i>An unlikely storm: a multi-disciplinary approach to cytokine storm and acute heart failure in an adolescent with coxsackie virus.</i> Elena Insley, US	<i>Early cardiac catheterization during extracorporeal membrane oxygenation after congenital cardiac surgery.</i> Silvia Torres, Argentina
15:45 - 16:00	15 min	<i>Pyroglutamic acid: an unusual cause of pediatric anion gap acidosis.</i> Jillian Olsen, US	<i>Extracorporeal cardiopulmonary resuscitation for pediatric massive pulmonary embolism with crohn's disease.</i> Tadahito Kato, Japan	<i>Prehospital advanced resuscitative care for penetrating trauma with severe hemorrhage.</i> Mark Plehl, US	<i>Successful subdural empyema evacuation in a pediatric patient on veno-venous extracorporeal membrane oxygenation.</i> Manasa Kanukurthy, US	<i>Virtually guided echocardiography to refine cardiac care in limited resource settings: a case discussion.</i> Alexia Santos, US
16:00 - 16:05	5 min	BREAK				
16:05 - 16:25	20 min	<b>Plenary 5</b> <i>New horizons in pediatric ARDS: Translating research into practice</i> Robinder Khemani, USA				

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<b>TUESDAY, JUNE 4, 2024</b>						
		<b>World Cafe 6</b>	<b>World Cafe 7</b>	<b>World Cafe 8</b>	<b>World Cafe 9</b>	<b>World Cafe 10</b>
08:00 - 08:30	30 min	Ask the expert: Do we define chronic critical illness in children, or I know it when I see it? <b>Moderator:</b> Silvio Torres, Alexandra Ferguson	Ask the expert: HFC: pros and cons in acute bronchiolitis <b>Moderator:</b> Brenda Morrow, Sheila Yadira Gómez Murillo	Ask the expert: Managing ventilation in PARDS <b>Moderator:</b> Yolanda Lopez Fernandez	Ask the expert: How to provide optimal nutrition to critically unwell children in the PICU? <b>Moderator:</b> Juan Carlos Iglesias Castillo	Ask the expert: Managing delirium in the PICU <b>Moderator:</b> Joseph Manning, Julia Acuña Appleyard
08:00 - 08:30	30 min	<b>Experts:</b> <b>Lauren Sorce</b> , Jimena del Castillo	<b>Experts:</b> Daniel Garros, Alberto Medina	<b>Experts:</b> Martin Kneyber, Robinder Khemani	<b>Santiago Campos</b> , Jacinta Winderlich	<b>Experts:</b> Debbie Long, Chani Traube
08:30 - 08:40	10 min	BREAK				
08:40 - 09:50	80 min	<b>Plenaries</b>				
08:40 - 08:50	10 min	Speakers Introduction				
08:50 - 09:10	20 min	<b>Plenary 6</b>				
		Fluids in pediatric sepsis - what is the fuss? Restricted, liberal or cautious? <b>J Fernandez Sarmiento</b> , Colombia				
09:10 - 09:30	20 min	<b>Plenary 7</b>				
		Innovations in pediatric renal patient management: Harnessing research and technological resources <b>Mignon McCulloch</b> , South Africa				
09:30 - 09:50	20 min	<b>Plenary 8</b>				
		Pediatric cardiac intensive care: Reflections and lessons through the decades <b>Lara Shekerdemian</b> , USA				
09:50 - 10:20	30 min	BREAK				
10:20 - 11:50	90 min	<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>
10:20 - 10:40	20 min	Heart-Lung interactions in the ICU. When should we extubate? <b>Lara Shekerdemian</b> , USA	Multidisciplinary ICU care to optimize outcomes for children undergoing cardiac surgery <b>Patricia Bastero</b> , USA	A physiological approach to understand the role of respiratory effort in the progression of lung injury <b>Pablo Cruces</b> , Chile	New definitions for brain death <b>Jesus López-Herce</b> , Spain	Post-resuscitation care after ECMO to support CPR - what is important? <b>Ravi Thiagarajan</b> , USA
10:40 - 11:00	20 min	Interaction between heart, lung, brain and kidney <b>Pierre Tissieres</b> , France	Global clinical challenges in pediatric ventilation liberation <b>Robinder Khemani</b> , USA	NIV and HFNC as a first line of management of respiratory management of respiratory failure in pediatrics <b>Alberto Medina</b> , Spain & <b>Alexandre Rotta</b> , USA	Supporting neuro-developmental outcomes post resuscitation <b>Debbie Long</b> , Australia	Anticoagulation challenges in ECMO <b>Rene Gomez</b> , Mexico & <b>Heidi Dalton</b> , USA
11:00 - 11:20	20 min	Indications for KRT in acute renal failure in the ICU <b>Stuart Goldstein</b> , USA	Protecting children in disasters <b>Manu Sundaram</b> , Qatar	Should we let our patient spontaneously breathe? <b>Rodrigo Sebastian Adasme Jeria</b> , Chile	Quality of life in post pediatric cardiopulmonary resuscitation <b>Jimena del Castillo</b> , Spain	Early rehabilitation and mobilisation on ECMO: Friend or enemy? <b>Emma Shkurka</b> , 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	Validation and applicability of the phoenix sepsis score in low-resource settings, <b>Raul Rafael Copana Olmos</b> , Bolivia	NICU to PICU transfers in the united states: a survey of critical care physicians, <b>Phillip D. Cohen</b> , US	Pediatric non-invasive respiratory support failure: risk factors & outcomes in Latin America, <b>Monica Decia</b> , Colombia	Utilizing SPO2/FIO2 to predict need for escalation of respiratory support and length of stay in the pediatric intensive care unit, <b>Jessica Serventi-Gleeson</b> , US	Pediatric extracorporeal membrane oxygenation anticoagulation collaborative (PEACE) consensus conference, <b>Peta Alexander</b> , US
12:00 - 12:10	10 min	Relationship between use of inodilators and changes in microvascular flow and endothelium in children with sepsis, <b>Jaime Fernandez</b> , Colombia	Socioeconomic deprivation and pediatric intensive care unit (PICU) admission and outcomes in Alberta, <b>Laurie A. Lee</b> , Canada	Rapid weaning protocol for high-flow nasal cannula in pediatric intensive care: impact on support times, <b>Pablo Vasquez Hoyos</b> , Colombia	Improving outcomes for critically ill pediatric cancer patients in argentina using proactive as a quality tool, <b>Silvio Torres</b> , Argentina	Mobilization of pediatric extracorporeal membrane oxygenation patients: a feasibility study, <b>Zanen - van den Adel Tabitha</b> , Netherlands
12:10 - 12:20	10 min	Association between the lactate-albumin ratio and changes in microcirculation in pediatric septic patients, <b>Maria Camila Perez</b> , Colombia	Characterization of Canadian picu infrastructure design and renovations: a national cross-sectional study, <b>Tanille Johnson</b> , Canada	Protective mechanisms of cpap on lungs and diaphragm in experimental patient self-inflicted lung injury, <b>Pablo Cruces</b> , Chile	Early mobilization in critically ill children: a quality improvement study, <b>Lahfaja Anissa</b> , Canada	Critical hematology oncology referral pathway for extracorporeal membrane oxygenation (CHORPE): Improving access and outcomes, <b>Hitesh Sandhu</b> , US
12:20 - 12:30	10 min	Diagnosing sepsis in children with cancer using a machine learning algorithm extensible to bedside, <b>Carolina Oberg Ribeiro</b> , Brazil	A closer look into the nutritional support of overweight and obese children admitted to the picu, <b>Nicole Knebusch</b> , US	Lung protective mechanical ventilation protocol vs. standard care in pediatric acute respiratory distress syndrome: a before-and-after international study, <b>Kurosawa Hiroshi</b> , Japan	Extubation failure and length of respiratory support post extubation in children admitted to intensive care, <b>Schibler Andreas</b> , Australia	Lung-protective vs ultra-lung-protective ventilation in children with ECMO support, <b>Lorena Acevedo</b> , Colombia
12:30 - 13:40	70 min	12:45 - 13:35 Mindfulness Session <b>Rahul Joshi</b> , Australia		Lunch Break & Industry Sessions (45 min) & Poster Viewing		
				12:50 - 13:35 Industry Sponsored Session		
13:40 - 15:10	90 min	<b>Parallel Session 16</b>	<b>Parallel Session 17</b>	<b>Parallel Session 18</b>	<b>Parallel Session 19</b>	<b>Parallel Session 20</b>
		<b>Sepsis definition</b>	<b>Less is more</b>	<b>The unstable PICU patient</b>	<b>The acute PICU patient</b>	<b>Applying physiology to practice</b>
13:40 - 14:00	20 min	Paediatric sepsis criteria - an historical perspective <b>Lauren Sorce</b> , USA	Mechanical power and its use in the paediatric critical care setting <b>Martin Kneyber</b> , Netherlands	Hemodynamic monitoring of the critically ill pediatric patient: a global perspective <b>Suchitra Ranjit</b> , India	POCUS blood volume and fluid overload <b>Saul Flores</b> , USA	Oxygen in the PICU - how much is too much? <b>Mark Peters</b> , UK
14:00 - 14:20	20 min	The new sepsis definition <b>Daniela de Souza</b> , Brazil	Precision medicine in fluid resuscitation, is the way? <b>Jaime Fernandez</b> , Colombia	Hemorrhage control, hemodynamic and hemostatic resuscitation in polytraumatized patients <b>Phillip C Spinello</b> , USA	Advancing clinical decision-making: Machine learning applications in the PICU <b>Neel Shah</b> , USA	Albumin in burn shock resuscitation - yes or no? <b>W Brunow de Carvalho</b> , Brazil
14:20 - 14:40	20 min	Sepsis definition into practice: Think globally, act locally <b>Andrew Argent</b> , South Africa	Having hugs instead of drugs for sedation. Non pharmacological management <b>Anne-Sylvie Ramelet</b> , Switzerland	Priorities for research and practice in the transport of critically ill <b>Arun Bansal</b> , India	Early mobilization in LMIC countries: recommendations adjusted to reality <b>Cintia Johnston</b> , Brazil	Current debates on PICU anticoagulation <b>Marianne Nellis</b> , USA
14:40 - 15:10	30 min	Discussion	Discussion	Discussion	Discussion	Discussion

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15:10 - 15:30	20 min	Coffee Break				
15:30 - 16:00	30 min	<b>Cases 6</b>	<b>Cases 7</b>	<b>Cases 8</b>	<b>Cases 9</b>	<b>Cases 10</b>
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 Silvero, 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 perc 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 Dexeus Gabriel, Mexico</b>	Complex cardiac arrhythmia management in the icu for an adolescent with friedreich's ataxia: a case report, <b>Oluwatomi Fashina, US</b>
16:00 - 16:05	5 min	Break				
16:05 - 16:25	20 min	<b>Plenary 9</b> Reflections on clinical research in pediatric critical care – priorities going forward <b>Martha A.Q. Carley, USA</b>				

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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	<b>World Cafe 12</b> Ask the expert: Difficult to sedate - what to do? Moderator: Analia Fernandez	<b>World Cafe 13</b> Ask the expert: How do I manage Non Invasive Ventilation and P-SILI? Moderator: Cintia Johnston	<b>World Cafe 14</b> Ask the expert: Can I use ChatGPT in PICU? Moderator: Sebastian Gonzalez	<b>World Cafe 15</b> Ask the expert: Transfusion medicine in the PICU Moderator: Patricia Bastero
08:00 - 08:30	30 min	Experts: Sapna Kudchnadkar, Karen Choong	Experts: Anne-Sylvie Ramelet, Santiago Mencia	Experts: Pablo Cruces, Yolanda M Lopez Fernandez	Experts: Philippe Jouvet, Jackie Ong	Experts: Philip C Spinella, Marianne E Nellis
08:30 - 08:40	10 min	BREAK				
08:40 - 09:50	80 min	<b>Plenaries</b>				
08:40 - 08:50	10 min	Speakers Introduction				
08:50 - 09:10	20 min	<b>Plenary 10</b> Future horizons: Exploring the potential of artificial intelligence in pediatric ICU settings <b>Nelson Sanchez Pinto, USA</b>				
09:10 - 09:30	20 min	<b>Plenary 11</b> Progress in pediatric critical care in the Latin America <b>Werther Brunow de Carvalho, Brazil</b>				
09:30 - 09:50	20 min	<b>Plenary 12</b> Enhancing access to essential pediatric critical care in low-resource contexts through climate-resilient health facilities <b>Hans-Jörg Lang, Senegal</b>				
09:50 - 10:20	30 min	BREAK				
10:20 - 11:50	90 min	<b>Parallel Session 21</b>  <b>Intelligent PICU</b>	<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>	<b>Parallel Session 23</b>  <b>Individualizing the care</b>	<b>Parallel Session 24</b>  <b>Patient comfort</b>	<b>Parallel Session 25</b>  <b>Lessons from the past</b>
			Chair: Hans Jörg Lang			
10:20 - 10:40	20 min	Pediatric critical care unleashed: Navigating advancements and collaboration through social media <b>Jackie Ong, Singapore</b>	Essential paediatric critical care – implementation and training in a large paediatric hospital in Freetown (Sierra Leone). Urban scenario – unreliable electricity grid <b>Nellie Bell, Sierra Leone</b>	Individualized and contextualized approach to pediatric critical care patient <b>Lauren Sorce, USA</b>	Analgesation for pediatric procedures <b>Sapna Kudchnadkar, USA</b>	Family presence in the PICU - lessons learned from the COVID 19 restricted visitation policies <b>Laurie Lee, Canada</b>
10:40 - 11:00	20 min	Clinical trials in low and middle income countries <b>Sebastian Gonzalez, Uruguay</b>	Essential paediatric critical care – climate health, insights and solutions from the MDT <b>Michael Pienaar, South Africa</b>	Optimizing individualised developmental care <b>Alexandra Ferguson, Australia</b>	Palliative care in the ICU: What is the role of the pharmacist? <b>Ana Cristina Dos Santos Machado, Brazil</b>	Treatment-related mortality for haem-onc paediatric patients in low and middle income countries <b>Asya Agulnik, USA</b>
11:00 - 11:20	20 min	Use of generative AI in pediatric critical care <b>Philippe Jouvet, Canada</b>	Engineering solution attempts: renewable energy solution for health facilities, responding to requirement of essential paediatric critical care <b>Walter Commerell, Germany</b>	When is it valid to start neuroprognosis in TBI? <b>Barney Scholefield, Canada</b>	Developmental care as a mitigator to PICU-acquired brain injury <b>Gustavo Costales, Argentina</b>	Staff wellbeing <b>Gillian Colville, UK</b>
11:20 - 11:50	30 min	Discussion	Discussion	Discussion	Discussion	Discussion

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

Cancun (GMT-5)	Duration	HALL 1	HALL 2	HALL 3	HALL 4	HALL 5
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. <i>Job Cals, Netherlands</i>	Lesotho national oxygen dashboard for real-time monitoring and forecasting of hospital oxygen supply and demand. <i>Nicole Shikofski, US</i>	Automatic recruitment maneuvers detection in mechanically ventilated pediatric patient. <i>Francis Olivier Beauchamp, Canada</i>	Unplanned inpatient transfers to the pediatric intensive care unit: a qualitative descriptive study of parental experiences. <i>Molly Ryan, Canada</i>	Pediatric acute respiratory failure in severe Covid-19: drive pressure is associated with mortality. <i>Emmerson CF de Farias, Brazil</i>
12:00 - 12:10	10 min	Impala project: comparing and improving existing risk score for pediatric critical care monitoring. <i>Job Cals, Netherlands</i>	Predictors of deterioration in children admitted to the high dependency unit (Hdu) in 2 hospitals in Malawi with machine learning. <i>William Nkhono, Netherlands</i>	MTHFR gene polymorphism induce endothelial-macrophage hyperinflammation activation syndrome and thrombosis in children with Sars-Cov 2: case series and literature review. <i>Cristina Mangia, Brazil</i>	Sleep disruption and pediatric delirium in the restore resilience clinical trial. <i>Laura Beth Kalvas, US</i>	
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. <i>Margon Rakers, Netherlands</i>	Validity of various pediatric early warning scores (PEWS) in malnourished children in the emergency room. <i>Bansal Arun, India</i>	Factors associated with early death provides insights into patient selection for extracorporeal life support. <i>Sam Hickey, US</i>	Sound levels and anxiety scores in critically ill children: a case series. <i>Karin Reuter-Rice, US</i>	Comparative analysis of severe adenovirus and respiratory syncytial virus infections in pediatric patients with acute respiratory failure in Latin America. <i>Sebastián González-Dambrauskas, Colombia</i>
12:20 - 12:30	10 min	Command center in a pediatric cardiac intensive care unit. A novel strategy to prevent cardiac arrest? <i>Alejandro Lopez Magallon, US</i>	The impact of limited resources on the triage and outcomes of critically ill infants in a war zone. <i>Elizabeth Espinoza, US</i>	Risk factors for dialysis dependence in critically ill children requiring continuous kidney replacement therapy for acute kidney injury. <i>Yusuke Tokuda, Japan</i>	An electroencephalography-based sleep index and supervised machine learning as a suitable tool for automated sleep classification in children. <i>Eris van Twist, Netherlands</i>	Delirium in European paediatric intensive care units (PICU): a point prevalence study. <i>Blackwood Branagh, UK</i>
12:30 - 13:40	70 min	Lunch Break & Industry Sessions (45 min) & Poster Viewing				
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>
13:40 - 14:00	20 min	<i>The role of CRRT/ plasmapheresis in acute liver failure</i> <i>Paloma Dorao, Spain</i>	<i>Drug dosing in PICU: One size does not fit all</i> <i>Michele Cree, Australia</i>	<i>Activation - Integration - collaboration: Families as partners in the team</i> <i>Fenella Gill, Australia</i>	<i>Developing the blueprint in pediatric intensive training in americas</i> <i>Analia Fernandez, Argentina</i>	<i>Facing the death of a patient in PICU</i> <i>Ashleigh Butler, Australia</i>
14:00 - 14:20	20 min	<i>Early RRT in patients with renal failure pro vs. Con</i> <i>Xavier Flores, USA &amp; Manuel Enrique Soriano Aguilar, Mexico</i>	<i>Challenges with post-operative care and discharge planning of children with single ventricle CHD in the ICU and beyond</i> <i>Sandra Staveski, USA</i>	<i>Family - professional conflict in the PICU: when things go really wrong</i> <i>Santiago Mencia, Spain</i>	<i>Clinical simulation as a tool for multi-disciplinary education</i> <i>Orsola Gawronski, Italy</i>	<i>Working with families to ensure best interest of the child- conflict</i> <i>Susan Khanna, Australia</i>
14:20 - 14:40	20 min	<i>Pediatric pre- and post-transplant rehabilitation - considerations and implementation</i> <i>Emma Shkurka, UK</i>	<i>The role of technology to improve transport of critically ill children</i> <i>Padmanabhan Ramnarayan, UK</i>	<i>Safety begins with teamwork</i> <i>Lorena Acevedo, Colombia</i>	<i>Next PICU generations: Is the quality of personal life more important than the quality of training and education?</i> <i>Derek S. Wheeler, USA</i>	<i>Deconditioning in the PICU: the role of the bedside nurse</i> <i>Mallory Perry-Eddy, USA</i>
14:40 - 15:10	30 min	Discussion	Discussion	Discussion	Discussion	Discussion
15:10 - 15:30	20 min	Coffee Break				
15:30 - 15:50	20 min	<b>Closing ceremony</b>				
15:50 - 16:10	20 min	<b>Plenary 13</b>				
		<i>Omics in PICU: How can we "Split" after we "Lump"</i> <i>Heidi Flori, USA</i>				
16:10 - 16:25	15 min	<b>Handover ceremony</b>				