

**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

| PRE-CONGRESS WORKSHOP DAY |          |  |   |  |   |  |
|---------------------------|----------|--|---|--|---|--|
| SATURDAY, JUNE 1, 2024    |          |  |   |  |   |  |
| Time Slot                 | Duration | ISLA MUJERES 1-2   | ISLA MUJERES 3-4  | TULUM 1-2  | VIRTUAL HALL A<br>(Workshops will be conducted virtually)<br>Times in GMT -5 time zone. | VIRTUAL HALL B<br>(Workshops will be conducted virtually)<br>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 | ISLA MUJERES 1-2  | ISLA MUJERES 3-4  | TULUM 1-2                                   | TULUM 3-4                               | COBA  | XCARET 1-2   | VIRTUAL HALL A<br>(Workshops will be conducted virtually)  | VIRTUAL HALL B<br>(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) | Latin American Symposium   | EMERGENCY AND CRITICAL SERVICES IN LOW- AND MIDDLE-INCOME COUNTRIES-MOVING BEYOND DISEASE PREVENTION | 09:00- 12:15 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   |   |   |   |   |  |  |   |
| HALL A (GRAN CANCUN F)    |          |   |   |   |   |   |  |  |   |
| 17:30 - 18:00             | 30 min   | Welcome Session   |   |   |   |   |  |  |   |
| 18:00 - 18:30             | 30 min   | <b>Plenary 1</b><br>Chair: Jeffrey Burns, Celia Johnston<br>Reducing health inequalities: Strategies for improving access to quality PICU care<br>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 (GRAN CANCUN F)   | HALL B (GRAN CANCUN 1)   | HALL C (GRAN CANCUN 2)  | HALL D (COZUMEL A)  | HALL E (COZUMEL B)  | ISLA MUJERES 1-2                              |
| 08:00 - 08:30        | 30 min   | <b>World Cafe 1</b><br>Ask the expert: Overload index: When is diuretic treatment enough?<br>Moderator: Manuel Enrique Soriano Aguilar<br>Experts: Satoshi Nakagawa, Akash Deep                              | <b>World Cafe 2</b><br>Ask the Living Legend: Research in pediatric intensive care, successes and gaps<br>Moderator: Joseph Manning<br>Experts: Martha A.Q. Curley, Jeffrey Burns                                  | <b>World Cafe 3</b><br>Ask the expert: The pearls and pitfalls of neuroprognosis<br>Moderator: Gustavo Costales<br>Experts: Michaela Waak, Juan David Roo Giraldo                                   | <b>World Cafe 4</b><br>Ask the expert: Managing neuroprotection after cardiac arrest and TBI<br>Moderator: Vanessa Neaves Ramirez<br>Experts: Barney Scholefield, Ryan Barbara                          | <b>World Cafe 5</b><br>Ask the expert: Resuscitation guidelines - where are we going in policy, practice and research?<br>Moderator: Lorena Acevedo<br>Experts: Vinay Nadkarni, Jesus López-Herce         |   |
| 08:30 - 08:40        | 10 min   | Break  |  |   |   |   |   |
| 08:40 - 09:50        | 80 min   | Plenaries  |  |   |   |   |   |
| 08:40 - 09:50        | 10 min   | Chair: Brenda Morrow, Manuel Enrique Soriano Aguilar   |  |   |   |   |   |
| 08:40 - 09:50        | 10 min   | Speakers Introduction  |  |   |   |   |   |
| 08:50 - 09:10        | 20 min   | <b>Plenary 2</b><br>The power of collaboration: Enhancing multidisciplinary teamwork in pediatric intensive care<br>Asya Aaulnik, USA  |  |   |   |   |   |
| 09:10 - 09:30        | 20 min   | <b>Plenary 3</b><br>The role of patients & families in the quality and safety mission: We are ON<br>Debbie Lona, Australia   |  |   |   |   |   |
| 09:30 - 09:50        | 20 min   | <b>Plenary 4</b><br>Conceptualizing post intensive care syndrome in children- The PICS-p framework<br>Joseph Mannina, UK   |  |   |   |   |   |
| 09:50 - 10:20        | 30 min   | Coffee Break & Poster Discussion Rounds  |  |   |   |   |   |
| 10:20 - 11:50        | 90 min   | <b>Parallel Session 1</b><br>The challenge of building a team<br>Co-Chairs: Emma Shkurka, Michele Luglio   | <b>Parallel Session 2</b><br>Advancing equity and inclusion in PICU<br>Co-Chairs: Laurie Lee, Raúl Cedillo Zaragoza  | <b>Parallel Session 3</b><br>Impact of critical care on the brain<br>Co-Chairs: Roberto Jabornitsky, Lorena Acevedo   | <b>Parallel Session 4</b><br>Low resources PICU<br>Co-Chairs: Lihnie de Almeida, Nils Casson  | <b>Parallel Session 5</b><br>The critical patient outside PICU<br>Co-Chairs: Orsola Gawronski, Heraldo Valladao   |   |
| 10:20 - 10:40        | 20 min   | Do we need competent staff or experts in PICU? The challenge for teams<br>Neil Spenceley, UK   | Gender equity and diversity in PICU<br>Janet Mattsson, Norway  | Brain and ECMO: optimising long term outcomes<br>Ryan Barbaro, USA  | How to implement the ABCDEF bundle in different settings<br>Sapna Kudchadkar, USA   | Cardiopulmonary resuscitation in children: Where are we and where do we go?<br>Vinay Nadkarni, USA  |   |
| 10:40 - 11:00        | 20 min   | Physical and occupational therapy utilization in a pediatric intensive care unit<br>Adriano Conrado Rodrigues, USA   | Role of global collaborations for research & QI<br>Sebastian Gonzalez, Uruguay   | Is it possible to avoid delirium?<br>Roberta Esteves de Castro, Brazil  | Breaking barriers in pediatric respiratory care: A global perspective<br>Brenda Morrow, South Africa  | Multiple angles around critical deterioration/PEWS<br>Gerri Sefton, UK  |   |
| 11:00 - 11:20        | 20 min   | Promoting resilience through family-centered care: Leveraging resources for holistic support<br>Rujipat Samransamruajkit, Thailand   | Parental decision-making in the PICU<br>Sharon Irving, USA   | Decisions and adequacy of the therapeutic effort in the ICU<br>Jeffrey Burns, USA   | Training in pediatric trauma in resource-limited countries<br>Luis Augusto Moya Barquin, Guatemala  | Heart - Kidney Interaction: strategic negotiation in critical periods<br>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>   |   |
| 11:50 - 12:00        | 10 min   | Co-Chairs: Emma Shkurka, Michele Luglio  | Co-Chairs: Laurie Lee, Joan Stephanie Celis Jasso  | Co-Chairs: Roberto Jabornitsky, Verónica Rodríguez Martínez   | Co-Chairs: Lihnie de Almeida, Nils Casson   | Co-Chairs: Orsola Gawronski, Heraldo Valladao   |   |
| 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<br>Mukokinya Kalemia, Kenya  | The post-pandemic rsv surge: trends in pediatric hospitalizations and respiratory support modalities,<br>Melody Duvall, US   | Clinical characteristics and evolution of pediatric stroke,<br>Jesus Lopez-Herce, Spain   | Estimate of pediatric acute critical illness across resource-limited settings: the global paediatric acute critical illness point prevalence study,<br>Teresa Kortz, US                                 | Development of heart and respiratory rate percentile curves for hospitalised children in the united kingdom (the detect study),<br>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,<br>Lisa Schütze, US  | Multicenter variability in fluid management after neonatal cardiac surgery and associations of early diuresis with outcomes,<br>Nicole Stegmeier, US   | Blood-based neurologic biomarkers in pediatric cerebral malaria,<br>Madiha 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,<br>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),<br>Sunit Misra, US                                     |   |
| 12:10 - 12:20        | 10 min   | A decision-making grid for multiple clinical trials,<br>Laura Beth Kalvas, US  | Echocardiographic phenotypes in sepsis and multiple organ dysfunction,<br>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,<br>Debbie Long, Australia          | Hemoperfusion and hemodiafiltration in critically ill pediatric patients with multiple organ dysfunction in a limited resource setting,<br>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,<br>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,<br>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,<br>Sagar Tungel, India | Continuous cerebral autoregulation monitoring with cerebral oximetry index after neonatal cardiac surgery: preliminary data from an ongoing prospective observational study,<br>Stefano Pezzato, US | Role of lung ultrasound in bronchiolitis patients treated with high-flow nasal cannula,<br>Farah Thabet, Tunisia  | Nasal high-flow oxygen during pediatric emergency endotracheal intubation - a randomized trial,<br>Shane George, Australia  |   |
| 12:30 - 13:40        | 70 min   | Lunch Break & Poster Discussion Rounds   |  |   |   |   |   |
| 12:30 - 13:40        | 70 min   |  | 12:45 - 13:35<br>Integrated Emergency, Critical, and Operative Care: WHO's Approach<br>Lee Wallis, Melissa Campos Zamora, Rebecca Silvers Teresa Kortz, WHO  | 12:50 - 13:35<br>Industry Sponsored Session   |   | 12:50 - 13:35<br>Industry Sponsored Session 1   | 12:50 - 13:35<br>Industry Sponsored Session 2 |

**Industry Sponsored Workshop**  
  
(Limited spaces available, registration required)

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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>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: Fenella Gill, Aric Araujo  | Co-Chairs: Susan Khanna, Evelyn Obando   | Co-Chairs: John Adabie Appiah, Juan David Bustos   | Co-Chairs: Chani Traube, Santiago Campos  | Co-Chairs: Barney Scholefield, Laura Lidia González García   |                  |                  |
| 13:40 - 14:00        | 20 min   | Simulation to solve problems effecting PICU daily work<br><b>Carlos Roman, Mexico</b>   | Metabolic and nutrient alterations in the critically ill patient<br><b>Jacinta Winderlich, Australia</b>   | Multiple electrolyte solution vs normal saline for fluid resuscitation<br><b>Jayashree Muralidharan, India</b> | A core outcome set for pediatric critical care<br><b>Ericka Fink, USA</b>   | Neuromonitoring in acute injury<br><b>Michaela Waak, Australia</b>   |                  |                  |
| 14:00 - 14:20        | 20 min   | PICU metrics vs PICU reality; How we can achieve standards in our unit?<br><b>Luis Pedraza, Uruguay</b>   | Supporting the diverse needs of families in the PICU/CICU: what is comprehensive care in 2024<br><b>Daniel Garros, Canada</b>  | Emergency and critical care without walls: global goals<br><b>Hans Jörg Lang, Senegal</b>                      | Post-ICU syndrome: Rescuing the undiagnosed<br><b>Joseph Manning, UK</b>  | Acute kidney injury (aki): from perfusion optimization to replacement therapy<br><b>Akash Deep, UK</b>                                     |                  |                  |
| 14:20 - 14:40        | 20 min   | The medically complex patient<br><b>Silvio Torres, Argentina</b>  | PICU's outcomes from different resources. How to fill the gap?<br><b>Satoshi Nakagawa, Japan</b>   | Severe acute asthma exacerbations in emergency department. New horizons<br><b>Ricardo Iramain, Paraguay</b>    | Strategies for surviving and thriving as parents in the PICU<br><b>Florencia Krall, Uruguay</b>   | Leveraging resources for optimal patient care for children with cardiac disease in LMIC: The IQIC experience<br><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, Aric Araujo  | Co-Chairs: Gerri Sefton, Evelyn Obando   | Co-Chairs: Pierre Tissieres, Juan David Bustos   | Co-Chairs: Lihinie de Almeida, Santiago Campos  | Co-Chairs: Claire Procter, Laura Lidia González García   |                  |                  |
| 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, Lorena Acevedo  |  |  |   |  |                  |                  |
|                      |          | New horizons in pediatric ARDS: Translating research into practice<br><b>Robinder Khemani, USA</b>  |  |  |   |  |                  |                  |

**Industry Sponsored Workshop (continue)**  
  
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| Cancun (GMT-5)        | Duration | HALL A (GRAN CANCUN F)   | HALL B (GRAN CANCUN 1)  | HALL C (GRAN CANCUN 2)  | HALL D (COZUMEL A)  | HALL E (COZUMEL B)   |
| 08:00 - 08:30         | 30 min   | <b>World Cafe 6</b><br><i>Ask the expert: Do we define chronic critical illness in children, or I know it when I see it?</i><br>Moderator: Silvia Torres, Alexandra Ferguson<br>Experts: Lauren Sorce, Jimena del Castillo | <b>World Cafe 7</b><br><i>Ask the expert: HFC: pros and cons in acute bronchitis</i><br>Moderator: Brenda Morrow, Sheila Yadira Gómez Murillo<br>Experts: Daniel Garros, Alberto Medina | <b>World Cafe 8</b><br><i>Ask the expert: Managing ventilation in PARDS</i><br>Moderator: Yolanda Lopez Fernandez<br>Experts: Analia Fernández, Robinder Khemani                              | <b>World Cafe 9</b><br><i>Ask the expert: How to provide optimal nutrition to critically unwell children in the PICU?</i><br>Moderator: Juan Carlos Iglesias Castillo<br>Experts: Santiago Campos, Jacinta Winderlich | <b>World Cafe 10</b><br><i>Ask the expert: Managing delirium in the PICU</i><br>Moderator: Joseph Manning, Julia Acuña Appleyard<br>Experts: Debbie Long, Chani Traube |
| 08:30 - 08:40         | 10 min   | Break  |   |   |   |  |
| 08:40 - 09:50         | 80 min   | Break  |   |   |   |  |
| 08:40 - 08:50         | 10 min   | <b>Plenaries</b><br>Co-Chairs: Alexandra Ferguson, Juan Carlos Iglesias Castillo<br>Speakers Introduction  |   |   |   |  |
| 08:50 - 09:10         | 20 min   | <b>Plenary 6</b><br><i>Fluids in pediatric sepsis - what is the fuss? Restricted, liberal or cautious?</i><br>Jaime Fernandez Sarmiento, Colombia  |   |   |   |  |
| 09:10 - 09:30         | 20 min   | <b>Plenary 7</b><br><i>Innovations in pediatric renal patient management: Harnessing research and technological resources</i><br>Mianan McCulloch, South Africa  |   |   |   |  |
| 09:30 - 09:50         | 20 min   | <b>Plenary 8</b><br><i>Pediatric cardiac intensive care: Reflections and lessons through the decades</i><br>Patricia Bastero, USA  |   |   |   |  |
| 09:50 - 10:20         | 30 min   | Coffee Break & Poster Discussion Rounds  |   |   |   |  |
| 10:20 - 11:50         | 90 min   | <b>Parallel Session 11</b><br><b>Heart - lung - brain - kidney cross talk</b><br>Co-Chairs: Jacqueline Ong, Carlos Jesús Barrera Alonzo  | <b>Parallel Session 12</b><br><b>Global problems</b><br>Co-Chairs: Martí Pons Odena, Jesús Néstor Pulido Barba  | <b>Parallel Session 13</b><br><b>Mechanical ventilation: p-SILI or VILI?</b><br>Co-Chairs: Yolanda M López-Fernández, Jorge Néstor Soriano Martínez   | <b>Parallel Session 14</b><br><b>Post resuscitated patient in different contexts</b><br>Co-Chairs: Claire Procter, Gabriela Ruiz Quillonez  | <b>Parallel Session 15</b><br><b>ECMO Opportunities, controversies, and challenges</b><br>Co-Chairs: Veronica Rodriguez Martinez, Aarón Rodríguez Sánchez              |
| 10:20 - 10:40         | 20 min   | <i>Heart-Lung interactions in the CICU. When should we extubate?</i><br>Juan Carlos Iglesias Castillo, Mexico  | <i>Multidisciplinary ICU care to optimize outcomes for children undergoing cardiac surgery</i><br>Patricia Bastero, USA   | <i>A physiological approach to understand the role of respiratory effort in the progression of lung injury</i><br>Pablo Cruces, Chile   | <i>New definitions for brain death</i><br>Jesus López-Herce, Spain  | <i>Post-resuscitation care after ECMO to support CPR - what is important?</i><br>Ravi Thiagarajan, USA   |
| 10:40 - 11:00         | 20 min   | <i>Interaction between heart, lung, brain and kidney</i><br>Pierre Tissieres, France   | <i>Global clinical challenges in pediatric ventilation liberation</i><br>Robinder Khemani, USA  | <i>NIV and HFNC as a first line of management of respiratory management of respiratory failure in pediatrics</i><br>Alberto Medina, Spain & Alexandre Rotta, USA                              | <i>Supporting neuro-developmental outcomes post resuscitation</i><br>Debbie Long, Australia   | <i>Anticoagulation challenges in ECMO</i><br>Rene Gomez, Mexico & Heidi Dalton, USA  |
| 11:00 - 11:20         | 20 min   | <i>Indications for KRT in acute renal failure in the ICU</i><br>Stuart Goldstein, USA  | <i>Protecting children in disasters</i><br>Manu Sundaram, Qatar   | <i>Should we let our patient spontaneously breathe?</i><br>Rodrigo Sebastian Adasme Jeria, Chile  | <i>Quality of life in post pediatric cardiopulmonary resuscitation</i><br>Jimena del Castillo, Spain  | <i>Early rehabilitation and mobilization on ECMO: Friend or enemy?</i><br>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><br>Co-Chairs: Jacqueline Ong, Carlos Jesús Barrera Alonzo  | <b>Oral Presentations 7</b><br>Co-Chairs: Martí Pons Odena, Silvio Torres   | <b>Oral Presentations 8</b><br>Co-Chairs: Yolanda M López-Fernández, Jorge Néstor Soriano Martínez  | <b>Oral Presentations 9</b><br>Co-Chairs: Claire Procter, Natalia Estefanía López Nogales   | <b>Oral Presentations 10</b><br>Co-Chairs: TBC, Aarón Rodríguez Sánchez  |
| 11:50 - 12:00         | 10 min   | <i>Validation and applicability of the phoenix sepsis score in low-resource settings,</i><br>Raul Rafael Copana Olmos, Bolivia   | <i>NICU to PICU transfers in the United States: a survey of critical care physicians,</i><br>Phillip D. Cohen, US   | <i>Pediatric non-invasive respiratory support failure: risk factors &amp; outcomes in Latin America,</i><br>Monica Deca, Colombia   | <i>Utilizing SP02/FiO2 to predict need for escalation of respiratory support and length of stay in the pediatric intensive care unit,</i><br>Jessica Serventi-Gleeson, US   | <i>Pediatric extracorporeal membrane oxygenation anticoagulation collaborative (PEACE) consensus conference,</i><br>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><br>Jaime Fernandez, Colombia   | <i>Socioeconomic deprivation and pediatric intensive care unit (PICU) admission and outcomes in Alberta,</i><br>Laurie A. Lee, Canada   | <i>Rapid weaning protocol for high-flow nasal cannula in pediatric intensive care: impact on support times,</i><br>Pablo Vasquez Hoyos, Colombia  | <i>Improving outcomes for critically ill pediatric cancer patients in argentina using proactive as a quality tool,</i><br>Silvia Torres, Argentina  | <i>Mobilization of pediatric extracorporeal membrane oxygenation patients: a feasibility study,</i><br>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><br>Maria Camila Perez, Colombia   | <i>Characterization of Canadian PICU infrastructure design and renovations: a national cross-sectional study,</i><br>Taneille Johnson, Canada   | <i>Protective mechanisms of CPAP on lungs and diaphragm in experimental patient self-inflicted lung injury,</i><br>Pablo Cruces, Chile  | <i>Early mobilization in critically ill children: a quality improvement study,</i><br>Anissa Lahfafa, Canada  | <i>Critical hematology oncology referral pathway for extracorporeal membrane oxygenation (CHORPE): Improving access and outcomes,</i><br>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><br>Carolina Oberg Ribeiro, Brazil   | <i>A closer look into the nutritional support of overweight and obese children admitted to the PICU,</i><br>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><br>Hiroshi Kurawawa, Japan | <i>Extubation failure and length of respiratory support post extubation in children admitted to intensive care,</i><br>Andreas Schibler, Australia  | <i>Lung-protective vs ultra-lung-protective ventilation in children with ECMO support,</i><br>Lorena Acevedo, Colombia   |
| 12:30 - 13:40         | 70 min   | Lunch Break & Poster Discussion Rounds<br>12:45 - 13:35<br>Mindfulness Session<br>Rahul Joshi, Australia   |   |   | 12:30 - 13:35<br>Industry Sponsored Session 3   |  |

**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

| TUESDAY, JUNE 4, 2024 |          |  |   |   |   |  |
|-----------------------|----------|--|---|---|---|--|
| Cancun (GMT-5)        | Duration | HALL A (GRAN CANCUN F)   | HALL B (GRAN CANCUN 1)  | HALL C (GRAN CANCUN 2)  | HALL D (COZUMEL A)  | HALL E (COZUMEL B)   |
| 13:40 - 15:10         | 90 min   | <b>Parallel Session 16</b><br><b>Sepsis definition</b><br><i>Co-Chairs: Pierre Tissieres, Raúl Cedillo Zaragoza</i>  | <b>Parallel Session 17</b><br><b>Less is more</b><br><i>Co-Chairs: Michaela Waak, Carlos Acuña</i>  | <b>Parallel Session 18</b><br><b>The unstable PICU patient</b><br><i>Co-Chairs: Barney Scholefield, Laura Lidia González García</i>   | <b>Parallel Session 19</b><br><b>The acute PICU patient</b><br><i>Co-Chairs: Alexandra Ferguson, Claudia Lopez Reyes</i>  | <b>Parallel Session 20</b><br><b>Applying physiology to practice</b><br><i>Co-Chairs: Michele Luglio, Gabriela Ruiz Quiñonez</i>   |
| 13:40 - 14:00         | 20 min   | Paediatric sepsis criteria – an historical perspective<br><b>Lauren Sorce, USA</b>   | Mechanical power and its use in the paediatric critical care setting<br><b>Alberto Medina, Spain</b>  | Hemodynamic monitoring of the critically ill pediatric patient: a global perspective<br><b>Suchitra Ranjit, India</b>   | POCUS blood volume and fluid overload<br><b>Saul Flores, USA</b>  | Oxygen in the PICU- how much is too much?<br><b>Mark Peters, UK</b>  |
| 14:00 - 14:20         | 20 min   | The new sepsis definition<br><b>Daniela de Souza, Brazil</b>   | Precision medicine in fluid resuscitation, is the way?<br><b>Jaime Fernández, Colombia</b>  | Hemorrhage control, hemodynamic and hemostatic resuscitation in polytraumatized patients<br><b>Philip C Spinella, USA</b>   | Advancing clinical decision-making: Machine learning applications in the PICU<br><b>Neel Shah, USA</b>  | Albumin in burn shock resuscitation - yes or no?<br><b>W Brunow de Carvalho, Brazil</b>  |
| 14:20 - 14:40         | 20 min   | Sepsis definition into practice: Think globally, act locally<br><b>Andrew Argent, South Africa</b>   | Having hugs instead of drugs for sedation. Non pharmacological management<br><b>Anne-Sylvie Ramelet, Switzerland</b>  | Priorities for research and practice in the transport of critically ill<br><b>Arun Bansal, India</b>  | Early mobilization in LMIC countries: recommendations adjusted to reality<br><b>Cintia Johnston, Brazil</b>   | Current debates on PICU anticoagulation<br><b>Marianne Nellis, USA</b>   |
| 14:40 - 15:10         | 30 min   | Discussion   | Discussion  | Discussion  | Discussion  | Discussion   |
| 15:10 - 15:30         | 20 min   | Discussion   | Discussion  | Discussion  | Discussion  | Discussion   |
| 15:30 - 16:00         | 30 min   | <b>Cases 6</b><br><i>Co-Chairs: Roberto Jabornisky, Raúl Cedillo Zaragoza</i>  | <b>Cases 7</b><br><i>Co-Chairs: Laurie Lee, Carlos Acuña</i>  | <b>Cases 8</b><br><i>Co-Chairs: Jackie Ong, Laura Lidia González García</i>   | <b>Cases 9</b><br><i>Co-Chairs: Emma Shkurko, Claudia Lopez Reyes</i>   | <b>Cases 10</b><br><i>Co-Chairs: Michele Luglio, Gabriela Ruiz Quiñonez</i>  |
| 15:30 - 15:45         | 15 min   | Empyema necessitatis caused by prevotella melaninogenica and dialister pneumosintes resolved with the vac system: case report,<br><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,<br><b>Keyla Meneses Silvera, Colombia</b> | Refractory hyperlactatemia despite extracorporeal membrane oxygenation (ECMO) in a pediatric patient with intestinal failure – think about thiamine deficiency!<br><b>Paige Burgess, Canada</b> | Clippers syndrome: an emerging diagnostic challenge,<br><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,<br><b>Bedagshu Saikia, UK</b> |
| 15:45 - 16:00         | 15 min   | Successful endovascular thrombectomy for basilar artery in a pediatric patient with Fontan physiology,<br><b>Dipti Padhya, USA</b>   | Marathon unveils a pathogenic lq11-causing variant managed by cardiac sympathetic denervation in teenager,<br><b>Ruchi Sahota, US</b>   | Effective use of pegaso <sup>®</sup> a-cough perc in the intubated child,<br><b>Alexandra Ferguson, Australia</b>   | Tetanus experience in a single critical care unit of middle incomes and limited resources in Acapulco Guerrero Mexico,<br><b>Emmanuelle Dexeus Gabriel Fernandez Vero, Mexico</b> | Complex cardiac arrhythmia management in the icu for an adolescent with friedreich's ataxia: a case report,<br><b>Oluwatamini Fashina, US</b>  |
| 16:00 - 16:05         | 5 min    |  |   | Break   |   |  |
| 16:05 - 16:25         | 20 min   | <b>Plenary 9</b><br><i>Co-Chairs: Lauren R Sorce, Vanessa Neaves Ramirez</i><br>Reflections on clinical research in pediatric critical care – priorities going forward<br><b>Martha A.Q. Curley, USA</b> |   |   |   |  |

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|-------------------------|----------|---|---|---|---|---|
| Cancun (GMT-5)          | Duration | HALL A (GRAN CANCUN F)  | HALL B (GRAN CANCUN 1)  | HALL C (GRAN CANCUN 2)  | HALL D (COZUMEL A)  | HALL E (COZUMEL B)  |
| 08:00 - 08:30           | 30 min   | <b>World Cafe 11</b><br>Ask the expert: Early mobilization in intubated patient? Let's take the patient out of bed<br>Moderator: Matteo Di Nardo  | <b>World Cafe 12</b><br>Ask the expert: Difficult to sedate - what to do?<br>Moderator: Analia Fernandez  | <b>World Cafe 13</b><br>Ask the expert: How do I manage Non Invasive Ventilation and P-SILI?<br>Moderator: Cintia Johnston  | <b>World Cafe 14</b><br>Ask the expert: Can I use ChatGPT in PICU?<br>Moderator: Sebastian Gonzalez   | <b>World Cafe 15</b><br>Ask the expert: Transfusion medicine in the PICU<br>Moderator: Patricia Bastero   |
| 08:30 - 08:40           | 10 min   | Experts: Sapna Kudchadkar, Cintia Johnston  | Experts: Anne-Sylvie Ramelet, Santiago Mencia   | Experts: Pablo Cruces, Yolanda M Lopez Fernandez  | Experts: Philippe Jauvet, Jackie Ong  | Experts: Philip C Spinello, Marianne E Nellis   |
| 08:40 - 09:50           | 80 min   | Break   |   |   |   |   |
| 08:40 - 09:50           | 80 min   | <b>Plenaries</b><br>Co-Chairs: Satoshi Nakaawawa, Carlos Acuña<br>Speakers Introduction<br><b>Plenary 10</b><br>Future horizons: Exploring the potential of artificial intelligence in pediatric ICU settings<br>Nelson Sanchez Pinto, USA<br><b>Plenary 11</b><br>Progress in pediatric critical care in the Latin America<br>Werther Brunow de Carvalho, Brazil<br><b>Plenary 12</b><br>Enhancing access to essential pediatric critical care in low-resource contexts through climate-resilient health facilities<br>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><br><br><b>Intelligent PICU</b>   | <b>Parallel Session 22</b><br><br><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><br><br><b>Individualizing the care</b>   | <b>Parallel Session 24</b><br><br><b>Patient comfort</b>  | <b>Parallel Session 25</b><br><br><b>Lessons from the past</b>  |
|                         |          | Co-Chairs: Gerri Sefton, Emmanuel Fernandez Vera  | Co-Chairs: Hans Jörg Lang, Luis Moya Barquin  | Co-Chairs: Rujapat Samransamruajkit, Daniel Luque Fernández   | Co-Chairs: David Zorko, Julia Acuña   | 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<br>Jackie Ong, Singapore  | Essential paediatric critical care – implementation and training in a large paediatric hospital in Freetown (Sierra Leone). Urban scenario – unreliable electricity grid<br>Nellie Bell, Sierra Leone | Individualized and contextualized approach to pediatric critical care patient<br>Lauren Sorce, USA  | Analgesation for pediatric procedures<br>Sapna Kudchadkar, USA  | Family presence in the PICU - lessons learned from the COVID 19 restricted visitation policies<br>Laurie Lee, Canada  |
| 10:40 - 11:00           | 20 min   | Clinical trials in low and middle income countries<br>Sebastian Gonzalez, Uruguay   | Essential paediatric critical care – Challenges in the Sahel Region and the impact of climate change on health<br>Hans Jörg Lang, Senegal   | Optimizing individualized developmental care<br>Alexandra Ferguson, Australia   | Non-pharmacological measures for pain<br>Rubén Eduardo Lasso Palomino, Colombia   | Treatment-related mortality for haem-onc paediatric patients in low and middle income countries<br>Asya Aquilnik, USA   |
| 11:00 - 11:20           | 20 min   | Use of generative AI in pediatric critical care<br>Philippe Jauvet, Canada  | Engineering solution attempts: renewable energy solution for health facilities, responding to requirement of essential paediatric critical care<br>Walter Commerell, Germany                          | When is it valid to start neuroprognosis in TBI?<br>Barney Scholefield, Canada  | Developmental care as a mitigator to PICU-acquired brain injury<br>Gustavo Costales, Argentina  | Staff wellbeing<br>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>  |
|                         |          | Co-Chairs: Gerri Sefton, Emmanuel Fernandez Vera  | Co-Chairs: Hans Jörg Lang, Luis Moya Barquin  | Co-Chairs: Rujapat Samransamruajkit, Daniel Luque Fernández   | Co-Chairs: David Zorko, Julia Acuña   | Co-Chairs: Peirre Tissieres, Shayl Zamira Chacon Tapia  |
| 11:50 - 12:00           | 10 min   | Impala project: revolutionizing pediatric critical care in low-resource settings with predictive monitoring,<br>Job Calis, Netherlands  | Lesotho national oxygen dashboard for real-time monitoring and forecasting of hospital oxygen supply and demand,<br>Nicole Shilkofski, US   | Automatic recruitment maneuvers detection in mechanically ventilated pediatric patient,<br>Francis Olivier Beauchamp, Canada  | Unplanned inpatient transfers to the pediatric intensive care unit: a qualitative descriptive study of parental experiences,<br>Molly Ryan, Canada                            | Pediatric acute respiratory failure in severe Covid-19: drive pressure is associated with mortality,<br>Emmerson CF de Farias, Brazil   |
| 12:00 - 12:10           | 10 min   | Impala project: comparing and improving existing risk score for pediatric critical care monitoring,<br>Job Calis, Netherlands   | Predictors of deterioration in children admitted to the high dependency unit (hdu) in 2 hospitals in Malawi with machine learning,<br>William Mkhono, Netherlands                                     | MTHFR gene polymorphism induce endothelial-macrophage hyperinflammation activation syndrome and thrombosis in children with Sars-Cov 2: case series and literature review,<br>Cristina Mangia, Brazil | Sleep disruption and pediatric delirium in the restore resilience clinical trial,<br>Laura Beth Kalvas, US  | Comparative analysis of severe adenovirus and respiratory syncytial virus infections in pediatric patients with acute respiratory failure in Latin America,<br>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,<br>Margon Rakers, Netherlands   | Validity of various pediatric early warning scores (PEWS) in malnourished children in the emergency room,<br>Arun Bansal, India   | Factors associated with early death provides insights into patient selection for extracorporeal life support,<br>Sam Hickey, US   | Sound levels and anxiety scores in critically ill children: a case series,<br>Karin Reuter-Rice, US   | Relationship between prolonged capillary refill time and microvascular changes in children with sepsis,<br>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?<br>Alejandro Lopez Magallon, US  | The impact of limited resources on the triage and outcomes of critically ill infants in a war zone,<br>Elizabeth Espinosa, US   | Risk factors for dialysis dependence in critically ill children requiring continuous kidney replacement therapy for acute kidney injury,<br>Yusuke Tokuda, Japan                                      | An electroencephalography-based sleep index and supervised machine learning as a suitable tool for automated sleep classification in children,<br>Eris van Twist, Netherlands | Characterisation of paediatric sepsis mortality in Queensland 2004-2021: the Queensland paediatric sepsis mortality study,<br>Paula Lister, Australia   |
| 12:30 - 13:40           | 70 min   | Lunch Break & Poster Viewing  |   |   |   |   |

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|-------------------------|----------|---|--|---|--|---|
| Cancun (GMT-5)          | Duration | HALL A (GRAN CANCUN F)  | HALL B (GRAN CANCUN 1)   | HALL C (GRAN CANCUN 2)  | HALL D (COZUMEL A)   | HALL E (COZUMEL B)  |
| 13:40 - 15:10           | 90 min   | <b>Parallel Session 26</b><br><b>Restoring organ function</b><br><i>Co-Chairs: Arun Bansal, Carlos Acuña</i>                          | <b>Parallel Session 27</b><br><b>Going to the future</b><br><i>Co-Chairs: Yolanda M López-Ferrández, Diego Gustavo Garay Carmona</i>                         | <b>Parallel Session 28</b><br><b>Going through the storm</b><br><i>Co-Chairs: Debbie Long, Luis Pedraza</i>         | <b>Parallel Session 29</b><br><b>Developing PICU's future workforce</b><br><i>Co-Chairs: Andrew Argent, Joan Stephanie Cells Jasso</i>                   | <b>Parallel Session 30</b><br><b>PICU's collaboration</b><br><i>Co-Chairs: Anne-Sylvie Ramelet, Jesus Dominguez</i> |
| 13:40 - 14:00           | 20 min   | <i>The role of CRRT/plasmapheresis in acute liver failure</i><br><b>Paloma Dorao, Spain</b>   | <i>Drug dosing in PICU: One size does not fit all</i><br><b>Michele Cree, Australia</b>  | <i>Activation - integration - collaboration: Families as partners in the team</i><br><b>Fenella Gill, Australia</b> | <i>Developing the blueprint in pediatric intensive training in Americas</i><br><b>Analia Fernandez, Argentina</b>  | <i>Facing the death of a patient in PICU</i><br><b>Ashleigh Butler, Australia</b>                                   |
| 14:00 - 14:20           | 20 min   | <i>Early RRT in patients with renal failure pro vs. Con</i><br><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><br><b>Sandra Staveski, USA</b> | <i>Family - professional conflict in the PICU: when things go really wrong</i><br><b>Santiago Menica, Spain</b>     | <i>Clinical simulation as a tool for multi-disciplinary education</i><br><b>Orsola Gawronski, Italy</b>  | <i>Working with families to ensure best interest of the child-conflict</i><br><b>Susan Khanna, Australia</b>        |
| 14:20 - 14:40           | 20 min   | <i>Pediatric pre- and post-transplant rehabilitation - considerations and implementation</i><br><b>Emma Shkurka, UK</b>               | <i>The role of technology to improve transport of critically ill children</i><br><b>Padmanabhan Ramnarayan, UK</b>   | <i>Safety begins with teamwork</i><br><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><br><b>Derek S. Wheeler, USA</b> | <i>Deconditioning in the PICU: the role of the bedside nurse</i><br><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>   |  |   |  |   |
|                         |          | <i>Chair: Brenda Marrow, Roberto Jabornisky</i>   |  |   |  |   |
|                         |          | <i>Omics in PICU: How can we "Split" after we "Lump"</i>  |  |   |  |   |
|                         |          | <b>Heidi Flori, USA</b>   |  |   |  |   |
| 16:10 - 16:25           | 15 min   | <b>Handover ceremony</b>  |  |   |  |   |