



Workshop Title:

PEDIATRIC CARDIAC ARREST POST ROSC CARE

Workshop Date / Time:

June 2, 2024 / 12:45 - 17:00

Workshop Type:

In-person Half-Day Workshop

Workshop Organizer:

Jimena del Castillo

Workshop Facilitators:

Lissa Samudio (Paraguay), Orsola Gawronski (Italy), Beatriz Garrido (Spain)

Learning objectives:

To provide healthcare professionals with comprehensive knowledge and practical skills to improve the outcomes of pediatric patients who have experienced cardiac arrest.

Full knowledge of latest guidelines, evidence-based practices, and interdisciplinary approaches to post-resuscitation care while comparing and contrasting care in low-resource settings with high-resource settings.

Through interactive discussions, case studies, and practical exercises, attendees will gain a deeper understanding of the essential components of post-resuscitation care in diverse healthcare settings.

Workshop program

- I. **Introduction and Overview** (15 minutes)
 - Workshop objectives, agenda, and participant introductions.
 - Importance of post-resuscitation care in improving outcomes for pediatric cardiac arrest survivors.
 - Key concepts in pediatric resuscitation: time-sensitive interventions, chain of survival, and post-resuscitation phases.
- II. **Guidelines and Evidence-Based Practices:** interactive discussion (15 minutes)
 - Review of the most recent pediatric resuscitation guidelines
- III. **Challenges in Low-Resource Settings:** interactive discussion (20 minutes)
 - Identification of common challenges faced in providing post-resuscitation care in low-resource settings.
 - Lack of equipment, medications, and technology.
 - Shortage of skilled healthcare professionals.
 - Infrastructure limitations and logistical constraints.
 - Socioeconomic and cultural factors affecting care delivery.
- IV. **Innovative Approaches in Low-Resource Settings: hands on case management** (120 minutes)

2 cases will be developed. Participants will be divided in groups and will have to adapt the post-ROSC care plan to the resources provided. The scenario will be developed with simulation resources: mannequin, monitor, simulated medication and venous access. Special focus on team



communication and management of transfer between teams (ER and PICU or EMS and PICU) will be considered.

- Cases will include:
 1. Components of Comprehensive Post-Resuscitation Care
 - Hemodynamic stabilization and monitoring.
 - Respiratory support and management.
 - Neurological assessment and interventions.
 - Metabolic and nutritional considerations.
 - Psychological and social support for the patient and family.
 2. Managing Complications
 - Recognition and management of acute and delayed complications: cardiovascular respiratory, renal dysfunction and electrolyte disturbances, neurological sequelae.
 - Discussion will be focused in:
 - Showcasing successful models of post-resuscitation care in resource-constrained environments.
 - Adaptation of international guidelines to fit local contexts.
 - Task-shifting and role expansion to optimize resources.
 - Use of low-cost, high-impact interventions.
 - Collaboration and knowledge transfer between high-resource and low-resource settings.
 - Community engagement and involvement.
- V. **Tips from High-Resource Settings** (20 minutes): discussion of management of the same cases in high-resource settings.
- Examples of best practices from high-resource settings in pediatric post-resuscitation care.
 - Applicability of these practices in low-resource settings.
- VI. **Summary and Wrap-up** (10 minutes)
- Recap of key takeaways from the workshop.
 - Q&A session to address participants' queries.