

Case Study on Exploration of Pediatric Cardiopulmonary Resuscitation among Involved Team Members in Pediatric Intensive Care Unit Institut Jantung Negara

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Abstract : Background: Compared to adult cardiopulmonary resuscitation (CPR), high-quality research and evidence on pediatric CPR remain relatively scarce. This knowledge gap hinders the development of optimal guidelines and best practices for resuscitating children. Objectives: To explore pediatric intensive care unit (PICU) CPR current practices in PICU of Institut Jantung Negara (IJN) Malaysia. Method: The research employed a qualitative approach, utilising case study research design. The data collection process involved in-depth interviews and reviewing the Resuscitation Feedback Form. Purposive sampling was used to select two cases consisting of 14 participants. The study participants comprised a cardiologist, one anaesthetist, and twelve nurses. The data collected were transcribed and entered into NVivo software to facilitate theme development. Subsequently, thematic analysis was conducted to analyse the data. Findings: The study yielded key findings regarding the enhancement of PICU CPR practices. These findings are categorised into four themes, namely routine procedures, resuscitation techniques, team dynamics, and individual contributions. Establishment of cohesive team is crucial in facilitating the effectiveness of resuscitation. According to participants, lack of confidence, skills and knowledge presents significant obstacles to effective PICU CPR. Conclusion: The findings of this study indicate that the participants express satisfaction with the current practices of PICU CPR. However, the research also highlights the need for enhancements in various areas, including routine procedures, resuscitation techniques, as well as team and individual factors. Furthermore, it was suggested that additional training be conducted on the resuscitation process to enhance the preparedness of the medical team.

Keywords : cardiopulmonary resuscitation, feedback, nurses, pediatric intensive care unit

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