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Title of Thesis : Impact of Nursing Management Protocol on Selected Postoperative Outcomes Among Children with Open Heart Surgery at Cairo University Specialized Pediatric Hospital

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Abstract : Open-heart surgery is a common medical procedure that can save lives and improve the quality of heart. The current study was conducted to evaluate the impact of nursing management protocol on selected postoperative outcomes among children with open heart surgery at Cairo University Specialized Pediatric Hospital. The study utilized a pre- post-test quasi-experimental research design. A total sample of 70 children who were undergoing open heart surgery was selected from the surgical unit. Data required for the study were collected through the use of three data collection tools developed by the researcher. The first one is structured interview schedule which includes the sociodemographic data about children and their families it also involve history of child's illness. The second one was the postoperative assessment data sheet to assess the children during postoperative phase. It includes established child postoperative outcomes criteria related to: (1) respiratory functions;(2) wound condition; (3) renal functions and characteristics of urine; (4) chest tubes drainage system. And the third one was the nursing management protocol. It is apparent from the current study's results that, there were highly statistically significant differences between the pre and post application of the nursing management protocol at first and second days after surgery regarding respiratory rate, pulse, temperature and others. As well as, there were highly statistically significant differences between pre and post application of the nursing management protocol at first and second days after surgery as regards the means of oxygen saturation, PaO₂, PcO₂, and others. The study results concluded that, the effectiveness of the designed nursing management protocol on improving postoperative outcomes among children who participated in the current study. The study recommended the integration of the designed nursing management protocol in the care of children undergoing open heart surgeries in PCICU. **Keywords:** Congenital heart disease; Open heart surgery; Nursing management protocol.