

Myocardial Protection During Cardiac Surgery; Knowledge and Practices

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ABSTRACT

Objective: The aim of the study is to evaluate the Knowledge and practices program toward myocardial protection during cardiopulmonary bypass.

Material: A pre-experimental design (one group pretest- posttest design) was used to carry out this study in three governmental hospitals in Baghdad (Iraqi Centre for Heart Diseases , Ibn – Albitar Centre for Cardiac Surgery and Ibn – Alnafees Centre for Cardiothoracic and Vascular Surgery) for the period from 15th of January 2022 into 20th of March 2023. The construction and development of the program and instruments had carry out by the researcher to measure the purposes of the study , twenty two nurses was purposively assigned for the study group . The study instrument consisted from three parts, socio – demographic data that consist from (4) items, knowledge part that consist from (9) items , and observational checklist for practices part that consist from (4) items . Descriptive and inferential statistics was used to analyze the study data.

Results: The results of the study presented that highly significant level between pretest and posttest related to knowledge and practices program toward myocardial protection during cardiopulmonary bypass

Conclusion: Perfusionist knowledge and practices toward myocardial protection had been improved after applying the program.

Key words: DelNido cardioplegia, Myocardial protection, Cardiac surgery.

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