

Relationship between Nurses' Knowledge about Apheresis Component of Blood Therapy and Nurses' Characteristics

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ABSTRACT

Objective: Nurses in Hematology provide nursing care and management for patients with hematological illnesses and prepare patients for therapeutic apheresis procedures. The purpose of this study is to assess nurses' knowledge about apheresis procedure and to identify the relationship between the nurses' knowledge about apheresis and their characteristics. It is expected to help reduce deaths, survive patients' life and prevent complication during and after apheresis by providing good knowledge about apheresis to nurses who working at hematology center.

Methodology: Descriptive design study, using one group test-retest approach, is carried throughout at Hematological Center in Medical City Directorate for the period of November 25th 2022 through April 29th 2023. A non-probability purposive sample of (30) nurse who are providing nursing care for patients in hematological center in Baghdad Medical Directorate, the knowledge question was constructed according to apheresis procedure, which was contained of (30) item as they were classified into four domains of priority care, indication, replacement fluid in apheresis, complications and nursing care, descriptive and inferential data were analyzed by using: frequency, percentage, mean of score, standard deviation and paired t test.

Results: The present study indicates that correct response of nurses' knowledge about apheresis was (19.90%), The results revealed that there is no a significant relationship between the nurse's knowledge and their level of education, year of experiences in nursing, and year of experiences in hematological at $P \geq 0.05$.

Conclusions: Based on the study findings, the study concludes that Nurses' knowledge about apheresis was poor.

Keywords: Nurses' Knowledge, Apheresis Component of Blood Therapy, Hematology center, Nurses' Characteristics

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