Assessment of Nurses Knowledge about Medical Waste Management

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ABSTRACT

Waste management is a comprehensive process involving the collection, treatment, and disposal of waste materials, aiming to reduce their impact on the environment and human health. Assess level of nurse's knowledge towards medical waste management. Non-probability, cross-sectional "convenience" sample technique that utilized in selected (318) nurses were included in the present study to determine nurses' knowledge medical waste management at Al-Imam Al-Hussein Medical City in Kerbala City during the period 1st October 2024 to 31th July 2025. The descriptive (Frequency, Mean of Score) and inferential method (Independent Sample t-test) was use to analyze the results by SPSS 26. Most of nurses are young fall within age group of 20 – 29 years, the highest percentage refers to bachelor degree in nursing among 49.7%, that nearly half of the nurses (46.5%) demonstrated a "Fair" level of knowledge about medical waste management. While 30.8% exhibited "Good" knowledge, a concerning 22.6% displayed "Poor" knowledge. The study concluded that the study sample have a moderate level of knowledge about medical waste management.

Keywords: Nurses Knowledge, Waste Management.

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