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Evaluation of physician's awareness toward acute kidney injury management according to KDIGO guidelines in Khartoum state-Sudan

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Acute kidney injury (AKI) is a common disease which has chronic complications and carries a high risk of mortality in Sudan. Despite enhanced education about AKI has been recommended to improve its management, till now no study has determined the gaps in knowledge or practice in Sudan. This study is one of the few studies that reflect the orientation of AKI management in developing countries. Study purpose: To evaluate the awareness among physicians toward management of AKI according to KDIGO guidelines. Methodology & Theoretical Orientation: Descriptive cross-sectional questionnaire survey of 263 physicians via questionnaires sheets with face-to-face interviews, obtained from three main hospitals in Khartoum state, data were collected from May to September, 2016. All physicians' professional degrees were included and the majority of them were females (54.75%). Findings: The Awareness among physicians toward management of AKI according to KDIGO guidelines expressed as score is found to be (57.85±14.04%, mean score ± Standard Deviation).

Conclusion & Significance: The awareness among physicians toward AKI management is found to be suboptimal and there is substantial requirement to improve their knowledge. There is significant relationship between physician's knowledge with continuous education (P= 0.005) and professional degree (P=0.013), while gender is not significantly related (P=0.480). There is a strong relation between hospital and knowledge of physicians (P=0.005), specialized hospital physicians get higher scores. Recommendations: we recommend to perform Continuous education programs to improve the awareness and consequently AKI management. And to direct more studies and research toward AKI issue to improve its management and outcomes.

Biography

Qusay Osman Mohamed Abdalla is a young researcher, has received his Bachelor of Pharmacy with emphasis in Clinical Pharmacy from Omdurman Islamic University in 2016. He is working as attached teacher assistant at Clinical Pharmacy department at Omdurman Islamic University, he is attached researcher assistant at the National Center for Research.

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