

Quality of healthcare for hemodialysis patients in various health sectors in Jeddah, Saudi Arabia

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Background & Objective: We compared the adequacy of the management of hemodialysis patients in different health sectors in a major city in Saudi Arabia.

Design & Setting: Cross-sectional analytic study conducted in three different health sectors in Jeddah, Saudi Arabia.

Methods: Data was collected from nine hemodialysis centers, which represent three sectors: Ministry of Health, governmental (but not health ministry) hospitals, and charity centers. A simple random sampling technique was employed for gathering data from the participating centers. Medical records were reviewed, and all the relevant data were retrieved using a pre-designed form.

Results: In the 587 subjects, hypertension, diabetes mellitus and an idiopathic etiology accounted for 85.3% of end-stage renal disease. Only 25.4% of the patients had a hemoglobin level of 110-120g/L and 12.1% achieved target levels of ferritin and transferrin saturation. The percentage of patients


meeting targeted levels of calcium (2.1-2.38mmol/L), phosphorous (1.13-1.78mmol/L) and albumin (\geq 40g/L) were 54.2%, 38.7% and 23.5%, respectively. The variation between different health sectors was statistically significant ($P<0.001$). Arteriovenous fistula was used for 84% of the patients and catheter for 15.7%.

Conclusion: The quality of healthcare for hemodialysis patients in Jeddah needs improvement to meet the recommendations of the kidney disease outcomes quality initiative guidelines.

Speaker Biography

Marwan A Bakarman is an Associate Professor. He has completed his MBBS from King Abdulaziz University and Postdoctoral studies from King Faisal University, School of Medicine. He is the Chairman of Family and Community Medicine Department, Rabigh Faculty of Medicine. He has published more than 32 papers in reputed journals and has been serving as an Editorial Board Member of reputed journals. His research interests lies in obesity, chronic diseases and epidemiology.

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