

Clinical Standards and Efficacy

Quality of care is central to KDF operations. To ensure this, procedures and standards have been put in place to ensure consistent and high-quality service delivery across KDF dialysis centres and encourage the continual education of its nurses.



Annually, a competency check on dialysis procedures is conducted on centre nursing staff in collaboration with the charge nurse of each centre.



Continuous Quality Improvement

Under the guidance of KDF's Medical Director, a team comprising the centre charge nurse of the dialysis centres and KDF nursing personnel regularly monitors the indicators of dialysis adequacy (KT/V) to achieve a level of 1.2 or greater. For FY20/21, 95.91% of KDF patients achieved this. Nutritional performance indicators such as albumin, potassium and phosphate levels in the patients have also been closely monitored.

Infection Control Audits

All KDF dialysis centres conduct infection control audits twice a year to ensure that patients receive a high standard of care in a safe environment. This helps to reduce any incidences of infection, thereby increasing both patient and staff safety. For FY20/21, two rounds of audits were held at KDF's three dialysis centres in September 2020 and March 2021. All centres achieved a rating of above 85%.

Clinical Drills

Medical emergencies which could occur in a dialysis setting include cardiac arrest, air embolism, suspected pyrogenic reactions, profound hypotension or hypertension and significant blood loss. Clinical drills for such medical emergencies are conducted annually at KDF dialysis centres to ensure that all nursing staff are adequately prepared

to recognise and respond to emergent patient medical conditions. In FY20/21, clinical drills were conducted and assessed at all three dialysis centres.

Glucose Monitoring

All registered nurses at KDF dialysis centres are certified to be proficient in the use of a glucometer to monitor patients' blood glucose level. They are also trained on how to assess and react when there are complications. An annual recertification test on glucose monitoring is conducted by the centre charge nurse to maintain staff competency.

Intravenous (IV) Administration of Medicines

A recertification on the administration of specific intravenous medicines for all registered nurses at KDF dialysis centres is conducted yearly by KDF nursing personnel and endorsed by the Foundation's Medical Director. A register of the approved staff for administering intravenous medication is kept by KDF nursing personnel and the charge nurses of the dialysis centres.

Staff Competency Check

Annually, a competency check on dialysis procedures is conducted on centre nursing staff in collaboration with the charge nurse of each centre. This ensures that the standards of practice

across all KDF dialysis centres are maintained according to KDF's nursing protocol and guidelines.

In-Service Education

As the field of nursing is constantly changing rapidly, in-service education is imperative for nurses to maintain their competencies and keep abreast of the latest developments in nursing care. Nursing related in-service education is regulated by Singapore Nursing Board, which awards 'Continuing Professional Education' (CPE) points for participants, and this is taken into account for renewal of practicing certificates.

Preceptor Coaching

KDF receives students from Nanyang Polytechnic's Advanced Diploma in Nephro-Urology for their clinical placement at its Bishan dialysis centre. To facilitate and optimise the students' learning, clinical preceptors completed a coaching course held at the Institute of Technical Education (ITE). This course enabled our clinical preceptors to better support the students during their clinical practicum, and enrich the students' learning experience in a dialysis setting.

