قرار وزاري رقم (195) لسنة 2025 م

في شأن اعتماد نطاق عمل تقني وفني غسيل الكلى على المستوى الوطني

وزير الصحة ووقاية المجتمع:

بعد الاطلاع:

على القانون الاتحادي رقم (1) لسنة 1972 م بشأن اختصاصات الوزارات وصلاحيات الوزراء وتعديلاته،

وعلى القانون الاتحادي رقم (4) لسنة 2015 م في شأن المنشآت الصحية الخاصة وتعديلاته ولائحته التنفيذية،

وعلى القانون الاتحادي رقم (5) لسنة 2019 م في شأن تنظيم مزاولة مهنة الطب البشري ولائحته التنفيذية،

وعلى القانون الاتحادي رقم (6) لسنة 2023 م بشأن مزاولة غير الأطباء والصيادلة لبعض المهن الصحية،

وعلى المرسوم بقانون اتحادي رقم (4) لسنة 2016 م بشأن المسؤولية الطبية، وتعديلاته ولائحته التنفيذية،

وعلى قرار مجلس الوزراء رقم (20) لسنة 2017 م باعتماد المعايير الموحدة لترخيص مزاولي المهن الصحية على مستوى الدولة وتعديلاته،

وعلى قرار مجلس الوزراء رقم (11) لسنة 2021 م في شأن الهيكل التنظيمي لوزارة الصحة ووقاية المجتمع.

وبناء على مقتضيات المصلحة العامة،،،

قـرّر ما يلي:

المادة (1): يعتمد نطاق عمل تقني وفني غسيل الكلى على المستوى الوطني المرفق بهذا القرار.

المادة (2): ينشر هذا القرار في الجريدة الرسمية ويعمل به اعتباراً من اليوم التالي لتاريخ نشره.

أحمد بن علي الصايغ

وزير الصحة ووقاية المجتمع

صدر بتاريخ: 29/10/2025

مرفق القرار الوزاري رقم (195) لسنة 2025 م

في شأن اعتماد نطاق عمل تقني وفني غسيل الكلى على المستوى الوطني

NATIONAL SCOPE OF PRACTICE FOR RENAL DIALYSIS TECHNOLOGIST AND TECHNICIAN

Table of Contents

ABBREVIATIONS:

CKD: Chronic Kidney Disease

CRRT: Continuous Renal Replacement Therapy

CVVH: Continuous Veno-Venous Hemofiltration

CVVHD: Continuous Veno-Venous Hemodialysis

CVVHDF: Continuous Veno-Venous Hemodiafiltration

EMR: Electronic Medical Records

ESRD: End-Stage Renal Disease

IV fluids: Intravenous fluids

MDT: Multidisciplinary Team

MOHAP: Ministry of Health and Prevention

PPE: Personal Protective Equipment

PQR: Professional Qualification Requirement

SCUF: Slow Continuous Ultrafiltration

DEFINITIONS:

Dialysate: is a fluid used in dialysis that consists of water, salts, and electrolytes which aids in the removal of metabolic waste and toxins from the blood while maintaining essential electrolyte levels.

Dialysis Technicians: are allied health professionals who specialize in operating, maintenance, and monitoring dialysis machines. They assist in preparing and overseeing dialysis treatments, ensuring that patients receive safe and efficient care under the supervision of a nephrologist.

Dialysis Technologists: are allied health professionals who play a crucial role in managing patients with Acute renal Failure or End-Stage Renal Disease (ESRD) undergoing renal replacement therapies. They are responsible for ensuring that dialysis equipment and procedures are safe, effective, and compliant with established protocols. Their responsibilities extend beyond equipment operation to include quality assurance, infection control, patient education, and adherence to regulatory standards. Collaborating with other nephrology professionals, they contribute to a multidisciplinary team dedicated to delivering high-quality patient-centered care.

Dialysis: is a medical procedure that replicates the essential functions of the kidneys when they are no longer able to work effectively. It is required for individuals suffering from chronic kidney disease (CKD) or acute kidney failure to remove excess fluids, toxins, and metabolic waste from the bloodstream, helping to maintain electrolyte balance, acid-base homeostasis, and blood pressure regulation. Without dialysis, waste accumulation can lead to severe complications, including metabolic disturbances, cardiovascular issues, and potentially life-threatening conditions.

PURPOSE

The purpose of this scope is to provide a standardized scope of practice to ensure the safe, effective, and ethical delivery of renal dialysis services by renal dialysis technologists and technicians. It defines their clinical roles, duties, and responsibilities in alignment with Medical Liability Law No. 4 /2016, relevant UAE local and federal laws, ethical values, standards of professional conduct, and code of ethics. The scope outlines the procedures, actions, and tasks that licensed professionals are authorized to perform based on their qualifications, professional title, competencies, skills, and experience.

SCOPE

This scope applies to renal dialysis technologists and technicians licensed by all concerned health authorities in the UAE.

QUALIFICATION AND EXPERIENCE REQUIREMENTS:

1. **Dialysis Technologist must have:**
    - **Bachelor's degree in Dialysis Technology or equivalent qualification in dialysis technology (minimum three (3) years course duration) with one (1) years of experience post qualification in a related field.**
    - **Or bachelor's degree in nursing with two (2) years of experience post qualification in a related field.**

2. **Dialysis Technician*** must:

- Complete a dialysis technician program with two (2) years of experience and post qualification in related field.
- Or licensed as a Registered Nurse with two (2) years of experience post qualification in related field.
- Dialysis Technician cannot work independently; a dialysis technologist must be available in the same facility.

PRACTICE SETTINGS:

A dialysis technician and technologist may provide the services mentioned in this document in licensed health facilities such as:

- Acute care Hospitals (ICU – Nephrology unit – Emergency Department – surgical/ post operative care)
- peritoneal Dialysis Clinics
- Ambulatory Dialysis Units
- Inpatient dialysis Units
- Outpatient Dialysis centers
- Satellite dialysis centers
- Home hemodialysis

SCOPE OF PRACTICE:

1. **Dialysis Technologist** should have the following competencies and practice according to the facility operational program:

1.1. Demonstrate knowledge in:

- Principles of dialysis
- Water treatment (Theory and application of water purification equipment)
- Dialysis water quality, standards, testing, frequency and actin plan
- Dialysis and water treatment disinfection strategies
- Chemicals in dialysis, reuse and water treatment: Types, properties, frequency and MSDS
- Dialysis and water treatment equipment troubleshooting
- CRRT and other hybrid renal replacement therapy
- Dialysis procedures and complications of dialysis
- Membrane technology and Dialyzer reprocessing
- Hemodialysis systems components: including extracorporeal, hydraulic
- Electrical/electronic systems
- Computer applications and networking technologies
- Safety standards, infection prevention and directives
- Applied Sciences: chemistry, human biology, microbiology
- Types of access flow assessment and measures of dialysis adequacy
- Documentation technologies

1.2. Monitor dialysis machines and handle any complications related to the equipment.

1.3. Supervise dialysis technicians.

1.4. Ensure adherence to infection control protocols, including proper PPE use, patient isolation measures, and safe disposal of biohazardous waste.

1.5. Utilize electronic medical records (EMR) for accurate patient documentation and care tracking.

1.6. Determine and prepare the necessary supplies and equipment according to the dialysis procedure schedule.

1.7. Prepare dialysis machines for procedures, including calibration, testing, and equipment monitoring.

1.8. Fix and prime the extracorporeal circuit, including the dialyzer and blood tubing, for the appropriate dialysis procedure and conducts internal safety tests.

1.9. Prepare dialysate based on established procedures and the dialysis prescription.

1.10. Monitor and record the conductivity, pH, and electrolyte composition of hemodialysis solutions daily, and correct/report any abnormal values.

1.11. Set up and prepare the CRRT machine for treatment in critical care areas, utilizing different modalities such as CVVH, CVVHD, CVVHDF, and SCUF.

1.12. Determine the required dialysis treatment consumables, order and arrange the dialysis supplies as per the nephrologist's directives.

1.13. Prepare the necessary materials for the water treatment system and disinfection procedure

1.14. Conduct tests and procedures related to specific patient treatments, such as ultrafiltration (UF) profile, sodium profile, and single-needle dialysis options.

1.15. Monitor the machine's functionality and patient's vital signs during hemodialysis, addressing malfunctions as they arise, in line with the required competencies or training to monitor vital signs.

1.16. Prepare and set up dialysis machines and portable reverse osmosis units at the bedside in various patient units, including but not limited to critical care, oncology, and pediatric units.

1.17. Collaborate with registered nurses to address hypotension episodes during dialysis with competences of administering IV fluids into the extracorporeal circuit per physician orders.

1.18. Maintain constant readiness to coordinate during emergencies such as allergic reactions, hypovolemic shock, and emergency procedures, including Code Blue under supervision of nurses.

1.19. Compute the urea reduction ratio, KT/v, for each dialysis patient to assess treatment effectiveness and provide the report to the nephrologist under supervision of a nurse.

1.20. Conduct tests and procedures for vascular access recirculation and blood volume monitoring in dialysis patients to ensure access patency is maintained under supervision of a nurse.

1.21. Provide support for home hemodialysis such as managing dialysis equipment and providing education for the patient and family about self-care at home. Assist in the evaluation of new dialysis technology.

1.22. Perform internal and external disinfection of the dialysis machine, including protocol, frequency, duration, and disinfectant type, in accordance with the manufacturer's recommendations and the infection control team's guidelines.

1.23. Conduct tests of microbiological counts, chemical levels, and endotoxin concentrations in water treatment and dialysate samples on a monthly and semiannual basis, in accordance with hospital policy and international regulations.

1.24. Perform daily maintenance, surveillance, monitoring, testing, cleaning, and disinfection of the water treatment plant, including each individual device, in compliance with manufacturer recommendations and international regulations.

2. **Dialysis Technician** should have the following competencies and practice according to the facility operational program:

2.1. Measure and record patients' weight, temperature, and vital signs before and after dialysis.

2.2. Obtain a blood specimen or sample via a dialysis line or a peripheral access site, when required.

2.3. Educate patients and their families on dialysis processes and post-treatment care.

2.4. Prepare dialysate based on established procedures and the dialysis prescription.

2.5. Prepare and sterilize equipment and supplies.

2.6. Dispose of dialysis supplies and clean equipment according to manufacturer instructions and established protocols.

2.7. Monitor the patient and equipment during dialysis, respond to alarms, and adjust treatment parameters as outlined in established protocols.

2.8. Measure and adjust blood flow rates and calculate and modify fluid removal rates according to established protocols.

2.9. Respond appropriately to complications arising from dialysis care.

2.10. Be responsible for always monitoring the dialysis machines and handling any complications related to the equipment.

2.11. Collect water samples for chemical analysis and take necessary actions if the test results indicate that chemical contaminants exceed acceptable limits.

2.12. Ensure adherence to infection control protocols, including proper PPE use, patient isolation measures, and safe disposal of biohazardous waste.

2.13. Notify the nurses and nephrologists in case of an emergency.

2.14. Perform duties under the supervision of a nephrologist. And work in collaboration with a dialysis technologist*