



THE QUEEN ELIZABETH HOSPITAL

JOB DESCRIPTION

JOB TITLE:	Dialysis Technician
SALARY SCALE:	CAT III:II:I
DEPARTMENT:	Engineering Department
REPORTS TO:	Director Engineering Services
DIRECT REPORTS:	N/A

JOB SUMMARY

As a Dialysis Machine Technician, you will be responsible for maintaining and repairing dialysis equipment to ensure optimal performance and safety for patients undergoing dialysis treatment. Your role involves troubleshooting technical issues, performing preventive maintenance, and collaborating with healthcare and biomedical engineering teams to support high-quality patient care.

MAJOR DUTIES AND RESPONSIBILITIES

The duties listed below are intended only as an illustration of the various types of work that may be performed:

Equipment Maintenance and Repair

1. Performs routine maintenance checks on dialysis machines and equipment according to manufacturer guidelines;
2. Troubleshoot and diagnoses technical issues with dialysis equipment, such as alarms or malfunctions;
3. Conducts repairs and replacements of faulty components, ensuring adherence to safety and quality standards;

4. Maintains accurate records of equipment maintenance, repairs, and parts inventory;

Calibration and Testing

1. Calibrates dialysis machines and related instruments to ensure accurate operation and compliance with regulatory requirements;
2. Conducts performance testing and quality assurance checks on dialysis equipment;
3. Monitors water treatment systems used in dialysis to ensure quality and safety standards are met;

Emergency Response

1. Responds promptly to equipment breakdowns or emergencies during dialysis treatments;
2. Coordinates with healthcare providers and clinical staff to resolve technical issues and minimize patient disruption;
3. Provides on-call support as needed for urgent equipment repairs or maintenance outside regular hours;

Training and Support

1. Train dialysis unit staff on proper use and maintenance of dialysis machines and equipment;
2. Educate healthcare personnel on troubleshooting techniques and preventive maintenance practices;
3. Provide technical support and guidance to clinical teams regarding equipment operation and safety protocols;

Compliance and Documentation

1. Ensure compliance with regulatory standards and healthcare industry guidelines related to biomedical equipment;

2. Document all maintenance activities, repairs, and equipment inspections in accordance with organizational policies and procedures;
3. Maintain confidentiality of patient information and adhere to HIPAA regulations;
4. Observes health and safety precautions in the execution of duties; and
5. Uses customer service skills to establish and maintain effective working relationships with staff, government officials and members of the public.

KNOWLEDGE, SKILLS AND ABILITIES

1. Strong technical knowledge of dialysis machines and related equipment, including water treatment systems.
2. Familiarity with troubleshooting techniques and diagnostic tools for biomedical equipment.
3. Ability to interpret technical manuals, schematics, and electrical diagrams.
4. Excellent problem-solving skills and attention to detail.
5. Effective communication skills to collaborate with healthcare professionals and support staff.
6. Ability to function as part of a multidisciplinary team.
7. Ability to function in a fast-paced environment.

QUALIFICATIONS

- 1) Diploma or Certificate in Electronics or Biomedical Engineering Technology or a related field; and
- 2) Relevant experience as a dialysis machine technician or biomedical equipment technician in a healthcare setting.