



## **INTERNAL JOB OPPORTUNITY**

The Aga Khan Health Service, Tanzania (AKHST); an institution of The Aga Khan Development Network, completed a major phase II expansion of the Aga Khan Hospital, Dar es Salaam in 2018.

This expansion aimed at improving the Hospital's quality of facilities and infrastructure to become an ultramodern 170 bed facility to increase its capacity as a provider of high-quality medical care leading to a tertiary care, referral, and teaching hospital.

The Phase II development focused on expanding key clinical services including a comprehensive cardiology programme, oncology services and neurosciences, as well as the expansion of Orthopaedics and Trauma, Diagnostic Imaging, Critical Care and Women and Child Health programmes.

The Hospital is JCI Accredited (achieved a level of quality and patient service that is equal to the best hospitals in the world) and the teaching site for The Aga Khan University, which offers Postgraduate Medical Education programs leading to Master of Medicine in Family Medicine, Internal Medicine, Surgery, Obstetrics and Gynecology and Paediatrics and Child Health.

It is also an accredited internship site. As part of the integrated health systems approach, AKHST plans to establish 35 outreach health facilities that are located across Tanzania. Currently, 26 such clinics have been established across the country and linked to the main hospital in Dar es Salaam.

AKHST is seeking for enthusiastic, qualified, and experienced personnel as described below:

### **CT & MRI TECHNOLOGIST – (1 POSITION)**

#### **REPORTING TO THE RADIOLOGY MANAGER**

#### **POSITION SUMMARY**

He/she interprets Physicians' instructions, explain CT or MRI procedures to patients, carry out clinical caseload and keep records of the results. Also prepares patients for procedures, position them for imaging and communicating results of diagnostic examinations to the Physicians and Radiologists. He/she is also, responsible for patients scheduling, report of equipment failures, and quality assessment.

#### **ROLES AND RESPONSIBILITIES**

- Responsible for the delivery of highly specialized CT and MRI examinations, having sufficient depth of knowledge to be able to identify and interpret complex conditions and congenital abnormalities; altering techniques and factors to ensure diagnostic images are produced.
- Screen patients for CT or MRI safety prior to procedure performance, position patients before starting the procedure and correct any discomforts that are being experienced during CT or MRI.
- Minimizes radiation to patient and staff by practicing radiation protection techniques.
- Evaluate CT or MRI scans for technical quality, collate processed images and sequence of exposure and label appropriately.
- Work in conjunction with Clinicians and Radiologists to develop and adapt protocols to produce improved CT and MRI scanning techniques.
- Apply independent judgment during CT or MRI examinations to ensure that appropriate anatomical, pathological, and clinical conditions are accurately captured in the examination images.
- Apply independent, professional, ethical judgment, and critical thinking to safely perform diagnostic CT and MRI procedures.
- Analyzing CT and MRI technical information and providing a summary of findings for the Radiologists and Physicians to make a diagnosis.
- Provide for the psychological and physical needs of patients for CT or MRI procedures.
- Identifying and interpreting anatomical abnormalities and adjusting scanning parameters /techniques to ensure patients obtain optimal examinations.
- Ensuring patient, visitor, and staff safety due to inherent dangers of the MRI scanners such as projectile risk, implantable devices risk, overheating and current burns.
- Covering the patient(s) with protective materials to avoid over-exposure to radiation, which is harmful.
- Prepare patients for procedures, explain procedures to patients. Report changes in patient condition to medical staff. Provide an oral and written summary of preliminary findings to the radiologist.
- Document any incidental findings that might impact patient safety or patient care and provide that information to the interpreting Physician and Radiologist
- Maintain all documentation in accordance with Department policies e.g. patient documentation, statistical information, equipment fault logbook, Quality Assurance records and research documentation.
- Documentation to ensure patient records and confidentiality are maintained in accordance with Hospital policies and statutory regulations including the Data Protection Act.
- Ensure compliance with relevant statutory requirements and Hospital policies and procedures.
- Performs equipment quality checks and troubleshoots problems. Calls for service and notifies all pertinent team members.
- Recognize problems with test results and/or instrumentation and take appropriate action.
- Understand and adhere to quality assurance standards and quality control procedures. Follow up on quality control problems.

- Utilize accessory equipment such as Coils, immobilizing aids, headphones call bells, multi-format cameras, printers, and PACS workstations.
- Maintain patient records in division.
- Assist the medical staff and the Radiology Department in development of new CT and MRI processes, policies and protocols.
- Participate in research practices within Radiology and with other hospital disciplines (medicine, surgery departments).
- Provide orientation for new Technologists, Interns and Trainees
- Providing care to patients with infectious diseases.
- Any other roles assigned by the Supervisor or his/her Designee.

### **ACADEMIC QUALIFICATIONS**

- Minimum Diploma in Diagnostic Medical Radiography.
- Must be registered with the Medical Radiology & Imaging Professionals Council.
- Basic Life Support training is mandatory.
- Minimum 2 years of relevant work experience

**PLEASE NOTE: ONLY SHORTLISTED CANDIDATES WILL BE CONTACTED FOR INTERVIEWS. APPLICATION LETTER, CV AND EDUCATION CERTIFICATES SHOULD BE SUBMITTED ELECTRONICALLY TO: [hr@akhst.org](mailto:hr@akhst.org) WITH THE SUBJECT LINE OF THE POSITION.**

**CLOSING DATE FOR SUBMISSION OF APPLICATIONS IS END OF BUSINESS DAY ON THURSDAY, FEBRUARY 15, 2024**

*“AKHS is concerned about the climate and environmental crises we face and is doing everything possible to reduce our own impact, encouraging others to do the same, and advancing understanding in this field. AKHS has set itself the task of getting as close to net-zero carbon operations as possible by 2030. We expect all staff to contribute to achieving these aims in the context of their roles. We encourage applicants with previous experience or an interest in this field to apply”.*