



**UNIVERSITY OF NAIROBI
EXTERNAL JOB VACANCIES (PROJECT POSITION)**

Applications are invited for the following position:

SONOGRAPHER, PEARLS MATRIX PROJECT, DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY, REF: (AD/5/280/26) – 1 POST

The Project: PEARLS MATRIX

The PEARLS study is a multi-country maternal and perinatal health research platform implemented across Ghana, Kenya, India, and South Africa, aimed at improving early identification and management of high-risk pregnancies. Following the successful PEARLS cohort phase, the study is transitioning into PEARLS MATRIX (Maternal Health Advancement Through Rapid Innovation and eXploration). This is an expanded platform evaluating innovative and scalable technologies within routine antenatal care. It focuses on the use of AI-assisted retinal imaging (fundoscopy) to support screening, risk stratification, and diagnosis of pre-eclampsia, maternal anemia, and gestational diabetes mellitus (GDM), integrated within real-world health systems.

Location: Kenya (Facility-based in Western Region)

Purpose of Position:

The Sonographer will be responsible for performing high-quality retinal imaging (fundoscopy) for pregnant women enrolled in the PEARLS MATRIX Study. The role ensures accurate image acquisition, adherence to imaging protocols, and optimal data quality to support AI-assisted analysis and clinical research outcomes.

Duties and Responsibilities:

1. Perform retinal imaging (fundoscopy) for study participants according to protocol
2. Ensure proper patient preparation, positioning and comfort during imaging procedures
3. Maintain high-quality image acquisition standards and repeat poor-quality images where necessary
4. Ensure correct labeling, documentation, and secure transfer of retinal images to study systems
5. Conduct basic quality checks of captured images before upload
6. Ensure adherence to study SOPs, infection prevention and data security procedures
7. Maintain and care for fundoscopy equipment, reporting faults or maintenance needs promptly
8. Support participant flow during imaging sessions in coordination with study staff

9. Liaise with Research Midwives and clinical teams to ensure smooth integration of imaging into ANC workflow
10. Participate in training, refresher sessions and study meetings as required
11. Maintain confidentiality and comply with study protocols and Good Clinical Practice (GCP)

Job Specifications:

1. Diploma or Bachelor's Degree in any of the following areas Sonography, Radiography, Ophthalmic Imaging or an equivalent field.
2. Valid professional registration/license with relevant regulatory body.
3. Prior 2 years' experience in ultrasound, ophthalmic imaging or retinal imaging is an added advantage.
4. Experience in clinical research or maternal health studies is desirable.
5. Training in Good Clinical Practice (GCP) is an added advantage.
6. Strong attention to detail and ability to produce high-quality diagnostic images.
7. Good communication and interpersonal skills.
8. Ability to work in a busy antenatal clinic environment.

Terms of appointment:

This is a position whose tenure is one (1) year contract, renewable based on performance and by mutual consent.

Notes:

1. Applicants should email their application letters, certified copies of certificates and curriculum vitae (CV) giving details of their qualifications, experience and three (3) referees indicating their telephone contacts and e-mail contacts;
2. Applications and related documents should be forwarded addressed to the Director, Human Resource, University of Nairobi;
3. Applicants should state their current designations, salaries and other benefits attached to those designations;
4. The application letter must bear the reference code indicated in the advertisement;
5. Late applications will not be considered.
6. Applications should be emailed as one file in PDF: recruit-sgpearlsmp@uonbi.ac.ke

CLOSING DATE: FRIDAY, MAY 22, 2026

**THE UNIVERSITY OF NAIROBI IS AN EQUAL OPPORTUNITY EMPLOYER. ONLY
SHORTLISTED APPLICANTS WILL BE CONTACTED**