

## **FRACT-AI READER RECRUITMENT**

We are looking for clinicians to participate in a study for the detection of fractures on plain film X-rays.

The aim is to demonstrate that AI can be used to improve the accuracy and confidence of various clinician groups of different levels of experience who are more likely to undertake the first-line of reporting on plain X-rays in routine clinical practice.

### **Involvement and compensation**

The work will be done remotely via [www.RAIQC.com](http://www.RAIQC.com), an online platform allowing medical imaging viewing and reporting. Participants can work from any location, but the work must be done from a computer with internet access. For avoidance of doubt, the work cannot be performed from a phone or tablet.

The project is divided into two phases and participants are required to complete both phases. The estimated total involvement in the project is up to 20-24 hours.

Phase A: Through December/January 2023

- Review 500 X-rays and express your clinical opinion through a structured reporting template (multiple choice, no open text required).

An estimated 4 weeks break

Phase B – Estimated Late February/March 2024

- Review 500 X-rays together with an AI report for each case and express your clinical opinion through the same structured reporting template used in Phase A.

- Project expected commencement date: Late November/Early December 2023
- Estimated Involvement time: 20-24 hours.
- Form of engagement: a Consultancy Agreement will be put in place between RAIQC Ltd and each Participant (or another private entity such as a Limited company if preferred by the participant).

### **Participant Criteria**

The study involves a limited number of participants (30) with distribution between speciality groups:

- Emergency Medicine (ED)
  - Level of Experience:
    - 2 Consultants
    - 2 Middle Grade (Registrar ST 3-6)
    - 2 Juniors (F2, ST 1-2)
- Trauma and Orthopaedics
  - Level of Experience:
    - 2 Consultants
    - 2 Middle Grade (Registrar ST 3-6)
    - 2 Juniors (F2, ST 1-2)

- General Radiologists
  - Level of Experience:
    - 2 Consultants
    - 2 Middle Grade (Registrar ST 3-6)
    - 2 Juniors (ST 1-2)
- Radiographers (Rad)
  - Level of Experience:
    - 2 Reporting Radiographers (6+ years experience)
    - 2 Mid-experience Radiographer (3-6 years experience)
    - 2 Junior/Newly qualified Radiographer (18-36 months experience)
- Physiotherapists
  - Level of Experience:
    - 2 Senior physiotherapists (6+ years experience)
    - 2 Experienced physiotherapists (3-6 years experience)
    - 2 Junior/Newly qualified Radiographer (18-36 months experience)
- Emergency Nurse Practitioners (ENPs)
  - Level of Experience:
    - 2 Senior ENPs (6+ years experience)
    - 2 Experienced ENPs (3-6 years experience)
    - 2 Junior/Newly qualified ENP (18-36 months experience)

Inclusion criteria:

- General radiologists/radiographers/ENPs/physiotherapists/EM doctors/T&O doctors who review limb X-rays as part of their routine clinical practice

Exclusion criteria:

- MSK radiologists

Given the limited number of participants, recruitment will be on a “first come, first recruited” basis, as long as the aforementioned criteria points are met.

Please express your interest to [max.hollowday@nhs.net](mailto:max.hollowday@nhs.net) with the Subject Line: “[Your Initials] - Participant for FRACT-AI”