



# The Professor Steve Beningfield Fellowship in Interventional Radiology at Groote Schuur Hospital

Take the next step in your career and join a community of excellence at Groote Schuur Hospital. Apply now and transform your future with our Interventional Radiology Fellowship!

## Programme Overview

### Curriculum Components

1. Clinical Training
2. Didactic Education
3. Research and Scholarly Activities
4. Professional Development

#### 1. Clinical Training

- Vascular Interventions: Peripheral arterial disease, aneurysms, venous interventions, and thrombolysis.
- Non-Vascular Interventions: Biopsies, drainages, and ablative therapies.
- Oncological Interventions: Trans arterial chemoembolisation (TACE), radioembolisation, and tumour ablation.
- Paediatric Interventions: Specialized procedures in paediatric patients (Red Cross Children's Hospital).
- Procedures and Skills
  - Vascular Access: Central lines, ports, and dialysis access.
  - Image-Guided Biopsies and Drainages: Liver, lung, kidney, and soft tissue
  - Embolisation Techniques: Uterine fibroids, GI bleeds, trauma.
  - Ablative Techniques: Radiofrequency ablation, Microwave ablation, and cryoablation.
  - Advanced Imaging Techniques: Ultrasound, fluoroscopy, CT, and MRI.

#### 2. Didactic Education

- Core Lectures and Seminars:
  - CIRSE curriculum online access.
  - SIR Residency Essentials online access.
  - Scheduled online and in-person lectures from established international interventional radiologists as well as in-house interventional radiologists.
- Technical Skills: Equipment, devices, and procedural techniques.
- Clinical Management: Pre-procedural assessment, post-procedural care, and complication management.

- Multidisciplinary Conferences: Participation in multiple multidisciplinary meetings, conferences, and morbidity & mortality meetings.
- Workshops and Simulation Training:
  - Hands-On Workshops: Vascular and non-vascular interventions provided by major companies and distribution services both in South Africa and internationally.
  - Access to simulation Labs: Crisis management, procedural techniques, and new device training.

### 3. Research and Scholarly Activities

- Research Projects
  - Original Research: Design and conduct clinical or translational research projects.
  - Publication: Aim for submission to peer-reviewed journals.
  - Presentation: Present findings at national and international conferences
- Journal Club
  - Monthly Meetings: Critical appraisal of recent literature.
  - Discussion: Focus on new techniques, clinical trials, and guidelines.

### 4. Professional Development

- Mentorship
  - Mentor Assignment: Each fellow is assigned a faculty mentor for career guidance and personal development.
- Continuing Medical Education (CME)
  - CIRSE Membership: Encourage participation in CIRSE activities and conferences.
  - CME Credits: Support for attending relevant CME activities and courses
- Ethics and Leadership
  - Professional Conduct: Training in ethics, communication skills, and patient advocacy.
  - Leadership Skills: Development through involvement in hospital committees and professional organizations.

### Evaluation and Feedback

- Regular Assessments: Quarterly evaluations by faculty based on clinical performance, procedural skills, and professionalism.
- Feedback Sessions: Structured feedback sessions to discuss progress, strengths, and areas for improvement.
- Exit Examination: Comprehensive exam (EBIR) at the end of the fellowship to assess competency.

For more details, please visit our website <https://health.uct.ac.za/radiology> or contact our fellowship coordinator at [dale.creamer@uct.ac.za](mailto:dale.creamer@uct.ac.za).