**NHS TAYSIDE – CONSULTANT RADIOLOGIST POST**

**1. NHS Tayside**

NHS Tayside was established on 1st April 2004. It has responsibility for delivery of primary and secondary care services. NHS Tayside provides a comprehensive range of core health services local populations of Dundee, Perth and Kinross, Angus and North East Fife, and it delivers a number of specialist services for Tayside region and beyond. There are five principal hospitals - Ninewells Hospital and Medical School, Perth Royal Infirmary, Stracathro Hospital, Arbroath Infirmary and Dundee Dental Hospital and School. It has an outstanding reputation for undergraduate and postgraduate medical and dental education, and provides training for nurses, paramedical and technical staff.

NHS Tayside embraces a wide spectrum of clinical specialties and is at the forefront of service provision and cutting-edge research in many areas. It has a workforce of around 14,000. As a major cancer centre it has benefited from significant investment. A particular feature of the hospital is the world-renowned Minimal Access Therapy and the Surgical Skills Unit. Biomedical research is a strength of Dundee University especially in the areas of basic and clinical research into cancer, diabetes, vascular disease, and neurosciences. There are Clinical Research Imaging and Image Guided Therapy Facilities within the Ninewells Hospital campus, developed in collaboration between the University of Dundee and NHS Tayside, having a 3T MRI, 128 slice CT, Angio/CT and CT/PET, with research capabilities. A Medipark is adjacent to the Ninewells site to promote ancillary technological advances.

**2. NHS Tayside Management Arrangements**

**NHS Tayside Board**

Chair (interim) Ms. L. Birse-Stewart

Chief Executive Professor C Hiscox

Medical Director Ms. Pamela Johnston

Nurse Director Ms. C. Pearce

**NHS Tayside Acute Services**:

Operational Medical Director: Dr. J. Cotton

Chief Officer Acute Services: Ms. L Smith (interim)

Nurse Director for Acute Services: Mr. S. McArtney

**Patient Access and Assurance:**

Associate Medical Director: Dr. S. Pillai

Associate Nurse Director: Mr. C. Sinclair

Associate Director: Miss J. Henderson

**Diagnostics Group:**

Clinical Care Group Director: Dr. Thiru Sudarshan

Clinical Care Group Manager: Mr. T. Chima

Clinical Leads Dr. G. Duncan (Tayside)

Dr. S. Docherty (Dundee/Angus)

Modality Leads Dr. G. Duncan (CT)

Dr. A. Kanodia (MRI)

Dr. Magdalena Szewczyk-Bieda (Ultrasound)

Dr. Chary Duraikannu (Plain x-ray/Fluoroscopy - Interim)

Dr. S. Pal (Interventional Radiology)

Dr. G. Duncan / Dr. G. Prasad (Nuclear Medicine)

Clinical IT Lead Dr. Thiru Sudarshan

Senior Charge Nurse Mrs. J. Neill

NHS Tayside - Imaging Manager Mr. M. Conroy

Angus Radiography Lead Ms. E. Kennedy

Perth Radiography Lead Mrs. C. O’Neill

Clinical Specialist /

Ultrasound Lead Radiographer Mrs. M. Taylor

CT/IR Mr. S. Dundas

Plain Film/Cardiology/Dexa/

Theatre/Dental Lead Radiographer Mr. E. Clipston

MRI Lead Radiographer Mrs. W. Milne

Nuclear Medicine &

PET CT Chief Technologist Mrs. E. Davidson

The management structure of NHS Tayside is configured of 4 clinical divisions which also have a number of constituent clinical care groups: Medicine, Surgery, Patient Access and Assurance, and Children, Young People, Women and Families and a fifth group leading on local and regional clinical programmes and pathways.

**3. Tayside Clinical Radiology Service**

Clinical Radiology is part of the Diagnostics Clinical Care Group and has responsibility for the provision of radiological services throughout NHS Tayside with major departments in Ninewells Hospital, Perth Royal Infirmary, Stracathro Hospital and Arbroath Infirmary. There is a GP access plain film unit at Kings Cross hospital. In addition, radiographic services are provided on several other smaller sites.

Full utilisation of HSS CRIS and Carestream PACS integrated with the Carestream Scottish National PACS allows the Tayside Consultant establishment to provide a flexible and efficient delivery of services to the populations of Tayside from bases in Ninewells, Perth and Stracathro by means of cross site working, remote supervision and protocol lists. The department uses electronic referral and vetting. A voice recognition system is integrated into the Radiology Information System for reporting.

NHS Tayside management recognise the pivotal role of Clinical Radiology in the delivery of appropriately timed interventions in cancer, inpatient and outpatient patient pathways. NHS Tayside is committed to the development of radiology services to provide a high-quality clinical service and to ensure that government waiting time targets are met. This is reflected in the resources allocated to staff and equipment at sites across Tayside and to the support of clinical radiology specialist registrar training.

Skill mix is supported with radiographers trained to perform barium enemas, plain film reporting and IV injections in CT and MRI. A number of qualified sonographers are employed across the area.

#### Clinical Radiology in Tayside

**Consultant Radiologists Special Interests**

Dr. Sade Akinlade (Locum) Head and neck/ Neuroradiology

Dr. Noor Alhaib (Locum) Haematology

Dr. Vilte Balcaityte Neuro/Nuclear Medicine

Dr. Stephen Docherty GI

Dr. Gillian Duncan GI/Nuclear Medicine

Dr. Chary Duraikannu Cardiac / Chest

Dr. Robert Foster GI / General

Dr. Avinash Kanodia Neuroradiology

Dr. Susila Krishnan (Locum) Breast/Urology

Dr. Brooke Lawson Gynaecology

Dr. Amy Leslie GI/Gynaecology

Dr. Angela McKinnie Chest

Dr. Neil McIntyre Paediatrics

Dr. Barry Oliver Musculoskeletal

Dr. Robin Pearson Neuro/ GI

Professor Prasad Guntur Ramkumar Cardiac/Nuclear Medicine

Dr. Ahmad Raofi Urology//Nuclear Medicine

Dr. Ketan Rathod (Locum) Urology

Dr. David Scott Musculoskeletal

Dr. Shaloo Shaloo (Locum) GI

Dr. Belal Soliman (Locum) General

Dr. Thiru Sudarshan Oncology/ head and neck

Dr. Magdalena Szewczyk-Bieda Urology/Gynaecology

Dr. Tom Taylor (Locum) Chest / GI

Dr. Tharika Thirumurthi (Locum) Paediatrics

Dr. Mohammed Jaushal Thouseef (Locum) Chest

Dr. Janani Vaishnavi ENT/Nuclear Medicine

Dr. Riccardo Zannoni Neuroradiology

**Interventional Radiology (IR) Consultants based in Ninewells hospital**

Dr. Taymoor Asghar Interventional Radiologist

Dr. Raj Bhat Interventional Radiologist

Professor. Iris Grunwald (Honorary) Neuro Intervention

Dr Shilpi Pal Interventional Radiologist

Dr Sanjay Pillai Interventional Radiologist

Dr. Yiannis Skarparis Interventional Radiologist

Dr. Neil Young Interventional Radiologist

Dr. Ian Zealley Interventional Radiologist

**Radiographic Rooms**

There are 6 radiographic units in Ninewells hospital between the main department and A & E. There is also one in East block

There is one fluoroscopy unit which can be used for all screening studies and Digital Flat plate. Image Intensifier used in a room to provide flexible accommodation for ERCP etc.

There are two Angiography units for interventional radiology.

**Ultrasound**

There is a 4 room ultrasound suite which is integral to the department containing four GE Logiq E10 units.

**Computed Tomography**

There are 2 G.E. 128 Slice and 1 G.E. 64-slice CT units based in the main department. The 64 slice scanner is due for replacement in the next 18months

**Magnetic Resonance Imaging**

There are 2 MRI scanners, a Siemens Magnatom Avanto-Fit 1.5 Tesla and a Siemens Aera 1.5 Tesla.

# Clinical Radiology in Perth

The main radiological service is provided from Perth Royal Infirmary. There are limited plain film facilities at the community hospitals in Blairgowrie and Crieff. Radiology services are provided by consultants throughout Tayside.

## Radiographic Rooms

1. Fluoroscopy – Siemens Axiom Luminos TF
2. General – Philips/Samsung
3. General/A&E – Philips/Samsung
4. Mammography – Siemens Mammomat unit

## Computed Tomography

1. A Canon CXL 64 multi-slice CT scanner
2. A Canon Aquilion PRIME SP – 128 slice CT scanner on a mobile unit (owned by NHS Tayside)

## Ultrasound

* 2 GE Logiq E10 scanners
* 1 GE Logiq E9 scanner
* 1 SuperSonic Ultrasound unit used for mammo ultrasound

## Magnetic Resonance Imaging

Siemens Avanto 1.5 T Class fully specified unit

**Clinical Radiology in Angus**

The main radiological services are delivered from Stracathro hospital and Arbroath Infirmary. Radiologist input in Angus is delivered by the consultant radiologists based in Ninewells Hospital in rotation based on their job plan.

**Stracathro Hospital**

Stracathro hospital has been developed as a regional treatment centre for outpatients. Day-case type surgical procedures are performed here. There is a care of the elderly unit that has inpatient facilities at the site.

The equipment in Stracathro is as follows:

1. A 64-slice GE CT scanner.
2. A 1.5 Tesla Siemens Avanto-Fit MRI Unit
3. A GE logiq E9 ultrasound unit.
4. Wolverson CR X-ray room

**Arbroath Infirmary**

The radiology department in Arbroath infirmary has completed a refurbishment with a redeveloped ultrasound room. The examinations are predominantly from outpatient clinics and general practitioner referral along with a small number of inpatients from the geriatric unit at Arbroath.

* General – Xograph
* A GE Logiq E9 ultrasound unit
* Whitehills Hospital, Forfar
* General - Siemens.

**4. East of Scotland Postgraduate Clinical Radiology Specialist Registrar, Student Radiographer and Nurse Training Schemes**

NHS Tayside is accredited by the Royal College of Radiologists for Higher Training in Clinical Radiology. The scheme is run in conjunction with Edinburgh for year 1 training and some specialist blocks. There are currently 17 radiology SpR NTNs. The specialist registrars are trained at Ninewells, Perth Royal Infirmary, Stracathro hospital and Arbroath Infirmary.

The academic lectures to support training before sitting parts 1 and 2a of the FRCR exam as well as some subspecialty blocks are delivered in Edinburgh.

Regional Postgraduate Education Adviser Dr. Raj Bhat

Training Programme Director Dr. Shilpi Pal

Angus College Tutor Dr. Stephen Docherty

Ninewells College Tutor Dr. Gillian Duncan

Perth College Tutor Dr. Robin Pearson

The training scheme has been ranked as the scheme with the highest trainee satisfaction in the UK for the last 3 years in the GMC survey.

**Student radiographer training**

The department is involved in the training of diagnostic radiography students as part of their Robert Gordon University BSc and Queen Margaret University MSc course. There are also Healthcare Academy students present within the department.

**5. Academic Radiology**

**Research and Development**

Clinical radiology has a key role in the Tayside research and development activity undertaken across a broad range of clinical specialities. Historically individuals within the radiology department have been involved in obtaining grants associated with multidisciplinary collaborative projects developed with other departments and centres. The department is actively involved in several ongoing national multi-centre trials in association with other university and NHS departments. The department has established links with non-radiological post graduate students who are researching aspects of imaging which inter-relate with areas of their specialist research interest, and there are students working in the department who are studying for MSc, MD and PhD degrees.

**Undergraduate Teaching**

Undergraduate Radiology Teaching Leads Dr. Neil Young

Dundee University has a new medical curriculum and achieved the highest award of “excellent” in the SHEFC Assessment. Undergraduate teaching in radiology involves formal lectures, student attachments, special study modules and integrated teaching.

**Academic developments**

There are links with the University of Dundee. There is a Clinical Research Imaging Facility (CRIF) headed by Director Dr. Prasad Guntur Ramkumar within the Ninewells Hospital campus developed in collaboration between the University of Dundee and NHS Tayside, having a Siemens 3T MRI, 128 slice GE PETCT with cardiac capabilities, and a latest GE Digital PETCT scanner, with research capabilities. CRIF also has extensive links with the well known CAHID (Centre for Anatomy and Human Identification) and provides Research CT/MRI imaging for Thiel cadavers for them.

The University has 2 professors of imaging. Professor Graeme Houston, Chair of Clinical Imaging & Intervention and Professor Iris Grunwald, Chair of Neuro Imaging. These positions are intended to link between the NHS clinical department and the university to facilitate academic and research activity throughout clinical radiology and continue to build expertise in the fields of imaging as an integral component of our cancer, cardiovascular and neurosciences research strategies.

**6. Interventional Radiology Service**

Interventional radiology service in Tayside is based in Ninewells hospital, Dundee. A wide range of vascular and non vascular interventional procedures including interventional oncology are performed in this 2 room unit (Siemens Artis Zee/Q). There are 5 interventional radiologists who provide a 1 in 6 rota for interventional radiology on call for vascular and non vascular cases. Currently we provide day-time interventional radiology service in Victoria Hospital, Kirkcaldy, 3 days a week.

The ESVN is a Managed Clinical Network for the care of patients with vascular disease in the Tayside and Fife Health Board Areas covering a total population of 750,000. Out-patient services are delivered at multiple localities in Tayside and Fife. In-patient services are based at Ninewells Hospital and at Victoria Hospital. All emergency services are centralised at Ninewells Hospital. Fife-based surgeons rotate to Ninewells when on call, and during this time, their elective work is performed in Fife by rotating Tayside-based surgeons. One of the vascular surgeons is trained in endovascular techniques and performs 2 lists within the Radiology department at Ninewells.

All vascular patients from Fife and Tayside undergoing radiological and surgical investigations and treatments are discussed at a weekly multidisciplinary meeting at Ninewells which is linked to rapid clinic review. There are regular surgical audit meetings and close links and regular vascular access meetings with nephrology services on both sites.

**7. East of Scotland Breast Screening and Imaging Service**

Dr Sarah Savaridas is a part-time substantive Consultant Breast Radiologist employed through the University of Dundee Breast Screening. The Dundee and Angus symptomatic breast service is a separate breast imaging unit in Ninewells Hospital within the Surgery Division. A symptomatic service is managed within Radiology at Perth.

**8. Nuclear Medicine Service**

The Nuclear Medicine Department in Ninewells is one of the busiest in Scotland and provides the full range of diagnostic imaging studies, laboratory based studies and therapies with unsealed sources.

At present it has three gamma cameras which perform approximately 5000 imaging studies per year. All cameras are dual headed with SPECT CT capability.

The imaging service supports virtually all of the clinical specialties across Ninewells, the Royal Victoria Hospital, PRI and Stracathro sites. We are supported and supplied by an on-site radiopharmacy.

The Department has a total of 10 PA’s delivered by Consultant Radiologists - Drs. Gillian Duncan, Prasad Guntur Ramkumar, Janani Vaishnavi, Vilte Balcaityte,and Ahmad Raofi.

Drs. Gillian Duncan, Thomas Taylor, Thiru Sudarshan and Prasad Guntur Ramkumar provide the PET CT service based in the CRIF (Clinical Research Imaging Facility).

The imaging service provides a comprehensive range of investigations including bone scans, V/Q lung scans, myocardial perfusion imaging, isotope renography, MUGA, labelled white cell scintigraphy, DaT scans, thyroid and parathyroid imaging, MIBG scans and Octreotide scans.

The Department is actively and enthusiastically involved in teaching at both and undergraduate and postgraduate level. The Department is heavily committed to the training programme of Specialist Registrars in Radiology based in Ninewells.

The Department also continues to have a number of research projects made up of NHS clinical projects and commercially funded studies.

**9. Duties of the Post**

Successful applicants will be expected to:

* work flexibly with other members of the imaging teams;
* participate in the work of the departments as allocated on the duty roster.
* participate in annual job plan reviews.
* participate in the provision of the on call service.
* contribute to agreed undergraduate and postgraduate teaching, subject to agreed time allocated in job plan.
* participate in agreed audit and research activity, subject to suitable agreed time allocation in job plan.
* support clinical-radiological meetings.
* Undertake the administrative duties associated with the care of his/her patients and the running of his/her department. Secretarial support is shared. Office accommodation may be shared.
* be flexible in any future discussion re: allocation of duties.

**10. Responsibility for Records Management**

All records created in the course of the business of NHS Tayside are corporate records and are public records under the terms of the Public Records (Scotland) Act 2011 This includes email messages and other electronic records. It is your responsibility to ensure that you keep appropriate records of your work in NHS Tayside and manage those records in keeping with the NHS Tayside Records Management Policy and with any guidance produced by NHS Tayside specific to your employment.

**12. Applications**

Closing date is **21st April 2024**

Interviews are scheduled to take place on the **1st May 2024**

**March 2024**