

BSET Fellowship training centre application

East of Scotland Vascular Network (ESVN):

**Ninewells Hospital and Medical School
Dundee
DD1 9SY**

**Victoria Hospital Kirkcaldy (VHK)
Fife
KY2 5AH**

Applicants:

Dr Raj Bhat, Consultant Interventional Radiologist

Mr Murray Flett, Consultant Vascular and Endovascular Surgeon

The ESVN comprises 2 Vascular units in Dundee (Tayside) and Kirkcaldy (Fife) serving a population of 850,000. Currently, elective vascular and endovascular services are carried out in both hospitals with all emergencies being carried out on the Ninewells site. The network is currently undergoing realignment, with all major elective surgery and in-patient work moving to Ninewells.

Statement of collaboration between interventional radiology (IR) and vascular departments

We have an exceptionally close working relationship between vascular surgery and IR, with a consultant endovascular surgeon integrated into the radiology department with sessions in both vascular surgery and IR. We have worked as a very cohesive unit since the network formed in 2002. All patients are discussed at weekly general vascular and dedicated AAA MDTs and monthly vascular access MDTs.

Since 2009 vascular surgery and IR have jointly developed a complex EVAR service. Ninewells has built up a tertiary referral practice for fenestrated EVAR and consultants from Ninewells are also proctors for fenestrated EVAR and branched iliac grafts and have supported other Scottish and UK centres.

All our consultant vascular surgeons and vascular interventional radiologists supported this BSET training centre application.

Record of training

There is a very strong training ethos in the network. Mr Griffiths is the Chair of the JCST. Mr Suttie and Mr Flett are members of the Vascular SAC and the Scottish Vascular Training Committee.

Dr Bhat is a member of the BSIR Education Committee.

Mr Flett works jointly in both vascular surgery and interventional radiology. Vascular trainees have access to IR training sessions with both Mr Flett and consultant interventional radiologists. Trainees have exposure to a full range of vascular interventional radiology, including elective and emergency EVAR. In the GMC surveys of radiology training in recent years, Ninewells has consistently ranked 1st in the UK for overall satisfaction.

Staffing:

Ninewells:

Vascular Surgery Consultants:

Mr M Flett
Mr G Griffiths
Mr J Nagy
Professor P Stonebridge
Mr S Suttie

VHK:

Ms A Howd
Mr A Milne

Vascular Interventional Radiology:

Dr R Bhat
Dr S Pal
Mr M Flett
Professor G Houston

Dr R Bhat

Vascular Laboratory:

Mrs R Ross, Clinical Specialist
Mr S Steadman

Vascular Medicine:

Dr C Baines

Vascular Nurse Specialists:

Ms G Crowe

Ms D McCallum
Ms P Reid
Ms Ruth Robbins

Proposed Endovascular Fellowship

The fellowship will provide specialist training in peripheral arterial intervention, EVAR, vascular ultrasound and endo-venous therapy. Training can be tailored to the fellow's specific needs. There will also be exposure to complex EVAR, planning and deployment. Educational supervision will be provided by Dr Bhat and Mr Flett.

Resources:

Training sessions in the IR suite

Main Theatre sessions – EVAR and combined peripheral vascular/endovascular procedures

CT imaging and EVAR planning sessions

Endo-venous therapy day-case sessions

There is an excellent vascular laboratory which will provide exposure to arterial and venous duplex, graft surveillance (inc EVAR and dialysis access surveillance) and AAA scanning.

Weekly clinic specifically for patient review following imaging/intervention (angio-review clinic)

Weekly MDT meetings and monthly audit meetings

Objectives:

Gain knowledge of the principles and indications for vascular imaging, including the dangers of ionizing radiation and safe practice.

Develop wire and catheter skills for elective and emergency endovascular procedures involved in the management of acute and chronic arterial disease - including angiography, angioplasty and stenting.

Gain experience in elective and emergency endovascular aneurysm repair, including the use of cross-sectional imaging for assessment and planning.

Develop vascular arterial and venous ultrasound skills and acquire central venous access skills.

Gain experience with emergency endovascular control of haemorrhage and management of iatrogenic and traumatic vascular injuries.

Develop skills in various endo-venous techniques.

We would anticipate the Fellow will reach up to Level 3/4 Standard (as defined in the Vascular Curriculum) in Knowledge, Clinical skills and Technical Skills in these areas by the end of the Fellowship. This would enable them to practice as a Consultant with a special interest in Endovascular Intervention.

Research (Professor Houston)

There is the opportunity to take part in and develop projects relevant to endovascular techniques and surgical procedures. This can be based in the University of Dundee, Medical Research Institute under the direction of Professor Houston. We have clinical, laboratory and novel image guided research facilities in the college of Medicine and Institute of Medicine Science and Technology (www.imsat.org). Involvement in on-going clinical research projects will be encouraged and initiation of a new project will be supported.

Structure:

3 interventional radiologists and 1 vascular/endovascular surgeon with a specific interest in vascular intervention.

2 IR rooms in Ninewells Hospital and 1 hybrid theatre in Victoria Hospital Kirkcaldy.

Flat panel mobile C-arm in Ninewells vascular theatre.

Dedicated 24 hour IR on-call rota.

19 (Ninewells) and 6 (VHK) weekly half day sessions in IR

Weekly list for standard EVARs in Ninewells as well as a separate list for complex EVAR.

Proposed Timetable: This can be modified to the individual's requirements and progress.

	AM	PM
Monday	IR suite	Vascular Laboratory
Tuesday	IR suite	IR suite
Wednesday	Clinic: angio-review	MDT meeting Audit/Research/EVAR planning
Thursday	Theatre/IR	Theatre/IR
Friday	IR suite or Endo-venous therapy (day surgery)	CT/MRA