

Application for Training Centre

BSET Fellowships

Institution:

The Regional Vascular and Endovascular Institute

Manchester Royal Infirmary

Central Manchester University Hospitals NHS Foundation Trust

Correspondence:

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Applicants:

Vascular & Endovascular Surgeon: Ferdinand Serracino-Inglott

Vascular Radiologist: Finn Farquharson

Vascular Team:

JV Smyth; N Chalmers; D Murray; G Anantha Krishnan; ST Rashid.

Statement of Collaboration

The Regional Vascular and Endovascular Institute at Manchester Royal Infirmary consists of 4 vascular surgeons and 3 interventional radiologists. All consultants share excellent working relationships together providing a 24 hour service for vascular and endovascular procedures to the population of Greater Manchester as well as a tertiary service for the North West Region (excluding Merseyside). Together we have participated in a number of major trials including ICST, EVAR 1 & 2, BASIL, ASTRAL, SUPER and IMPROVE. Our surgeons now have the wire skills to perform endovascular procedures and we all believe in having vascular specialists with both surgical and wire skills. To this effect we are determined to collaborate between us to give the Vascular Fellow the maximum exposure to endovascular procedures.

Record of Training In Endovascular Surgery.

The Interventional Radiologists at our institute have for several years trained local Surgical and Radiology Specialist Registrars (SpR's) in endovascular procedures.

There are three angio suites with busy lists running daily. This enables our trainees to become exposed to a variety of procedures of differing difficulty. Trainees are initially taught how to do femoral angiograms and as they become more experienced they perform angioplasty and stenting procedures. Several other vascular procedures are performed including the insertion of dialysis and vascular access lines. All trainees are closely supervised so as to help them in the decision making process in a case, not just the technical aspects of it.

Last year we opened two state of the art hybrid operating theatres. Each has an Artis Zeego fixed imaging robotic arm by Siemens. The theatres have been furnished by Maquet and include both a standard and a breakable floating carbon fibre table.

Vascular Surgeons and Radiologists perform numerous combined procedures in the Hybrid operating theatre with the SpR's again gaining hands on experience and after adequate training being the primary operators with appropriate supervision.

Our Institute performs very complex endovascular procedures that require two fully competent endovascular practitioners to work in close collaboration. This advance has allowed our current SpR's to take part in the planning and performing of the most challenging endovascular cases.

Index Endovascular Procedures.

iliac PTA/stenting	250 per year
infra-inguinal PTA/stenting	225 per year
endovascular repair of infra-renal aneurysms	80 per year
endovascular repair of aortic aneurysms requiring fenestrated or branched grafts	20 per year
endovascular repair of thoracic aorta	10 per year

Endovascular Programme for BSET Fellow.

Endovascular training offered at Manchester Royal Infirmary: We perform a large number of endovascular aneurysm repairs (EVAR). The trainee will achieve the skill and competency to perform Endovascular Aortic Aneurysm Repair (EVAR) for straight forward infra-renal and thoracic aneurysms independently (including all the required wire/catheter-skills to achieve this). Skill and competency to perform diagnostic vascular U/S in our dedicated vascular laboratories, diagnostic peripheral angiography, CT and MR angiography to investigate patients with various vascular pathology Skill and competency to perform angioplasty +/- stenting of the iliac and SFA segments in patients with claudication and critical limb ischaemia Experience in the endovascular treatment of crural vessel disease for critical limb ischaemia Experience in complex EVAR – Our endovascular surgeons have the largest experience in the UK with iliac side branch devices and also proctor for this device in various centers in Europe. The trainee will have the opportunity to become competent in using such devices. We also have a fenestrated EVAR program. This will enable the trainee to gain experience with these custom made devices. We have an established programme for treating patients with ruptured abdominal aortic aneurysms and aortic trauma endovascularly and now are actively recruiting patients into the IMPROVE trial. The trainee will gain competency in this emergency situation.

Incumbent trainees

The institute currently has 2 vascular SpRs and a senior clinical fellow and 1/2 radiology SpRs shared between 4 vascular surgeons and 3 vascular radiologists. Other middle grade posts are either non-training posts or filled in by non-vascular SpRs needing some exposure to open vascular surgery. There is therefore ample opportunity to train this Fellow without competition to current vascular and interventional radiology trainees in the region.

Schematic timetable for Fellowship

Note: The Timetable is flexible to accommodate the trainee's needs. We are able to offer the BSET fellow training on the following sessions:

2 in angiography for peripheral intervention training

3 in theatre for EVAR training

1 training in CT angiography

1 vascular lab

1 vascular/endovascular on-call

2 clinic/research/audit

(more angio and theatre sessions may be available depending on the number of vascular or interventional radiology trainees from the deanery)