

BSET Training Centre Application

1: Name of Institution: Birmingham Vascular Centre, University Hospitals Birmingham NHS Foundation Trust.

2. Names of the Vascular Surgeon and/or Interventional Radiologist applying for training centre: Mr Martin Claridge and Dr Arul Ganeshan.

3. Record of training in endovascular surgery:

The Birmingham Vascular Centre (BVC) is one of the largest vascular units in the UK, it delivers a comprehensive service across Greater Birmingham, a population of approximately 2.4million. Based within University Hospitals Birmingham, the arterial site is at Heartlands Hospital and delivers open and endovascular interventions for patients with aneurysmal and occlusive arterial disease together with renal access and a deep venous program. The internationally recognised programme of endovascular surgery encompassing fenestrated and branched EVAR for complex aortic disease is delivered via a hybrid operating theatre, an open surgical theatre, a dedicated ward and a Vascular Enhanced Care Unit. The Interventional Radiology (IR) department is located in the recently developed Heartlands Treatment Centre with two state of the art IR theatres and a protected day-case unit for the recovery of patients undergoing a broad range of endovascular procedures including complex lower limb revascularisation, visceral stenting and endoleak embolisation.

The vascular surgical and IR departments are involved in training both surgical and IR trainees, regularly hosting national and international fellows in complex aortic intervention and vascular/non-vascular IR. Previous fellows have been appointed at tertiary vascular centres across the UK and internationally, developing new endovascular programs at these centres. The unit has a strong academic record, with regular national and international presentations from trainees and fellows along with numerous publications.

4. Number of index endovascular procedures undertaken in the preceding 12 months (iliac PTA, infra-inguinal PTA, endovascular repair of infra-renal aneurysms, endovascular repair of aortic lesions requiring fenestrated or branched grafts, endovascular repair of thoracic aorta)

Year	Iliac PTA	infra-inguinal PTA	infra-renal EVAR	F/BEVAR	TEVAR
2023	35	213	49	98	30
2024	38	231	35	107	31
2025	33	199	38	131	38

5. Statement of endovascular training to be offered at the institution (max 400 words):

Given the large population served by BVC, the BSET fellow would have the opportunity for training in a broad spectrum of endovascular procedures. The BVC is one of Europe's largest volume complex aortic centres with multiple aortic hybrid lists each week, providing training in endovascular management of acute aortic syndrome and aneurysmal disease including infra-renal EVAR and TEVAR as well as more complex techniques including fenestrated and branched EVAR/TEVAR. The unit is also one of only a small number of centres offering physician modified endografts to patients from all over the UK. The BVC also provides provision of treatment of traumatic aortic and vascular injuries in partnership with the Major Trauma Centre at Queen Elizabeth Hospital.

Working in collaboration with the Interventional radiology department the BVC delivers complex endovascular revascularisation for management of thromboembolic and occlusive disease, therefore fellows would gain experience in visceral arterial, aortoiliac, femoropopliteal and infra-popliteal angioplasty and stenting as well as arterial thrombolysis and thrombo-aspiration together with hybrid aorto iliac cases for extensive iliac disease. The BSET Fellow would also be involved in the pre- and post-operative management of patients undergoing complex aortic repair, therefore fellows would gain experience in pre-operative embolisation as well as management of endoleaks including attendance at a dedicated multi-disciplinary aortic clinic for assessment of new patients.

The BSET fellow would gain exposure to a broad range of elective and emergency embolisation; including haemorrhage control, tumour, fibroid and prostate embolisation. Furthermore, the IR department also offers a fistula/complex vascular access service, with the prospect of involvement in fistuloplasty, stenting, venous recanalisation and vascular access.

From a non-interventional perspective, the applicant would be able to attend a wide spectrum of Vascular and Interventional Radiology clinics. Fellows would be able to regularly attend and contribute to the weekly vascular MDT and separate regional aortic MDT. There would also be the opportunity for presentation at national/international conferences and peer-reviewed publication.

6. Specimen timetable for Fellowship

Clearly the entire breadth of endovascular activity in Birmingham cannot be experienced in a single fellowship. However, the BSET fellow will be able to agree a timetable appropriate to the declared theme of their fellowship.

	Monday	Tuesday	Wednesday	Thursday	Friday
AM	Endo-aortic/hybrid theatre	Endo-aortic/hybrid theatre	IR theatres/vascular clinic	IR theatres	IR theatres/vascular MDT
PM	Endo-aortic/hybrid theatre	Endo-aortic/hybrid theatre	IR theatres	IR theatres	IR theatres