

November 2012

**Application for BSET
training centre status**

**Surrey Vascular Group
Network Hospitals**

15th November 2012

Application for training centre status to host BSET training fellowships

Name of Institution:

Surrey Vascular Group Network

Member hospitals:

Frimley Park Hospital NHS Foundation Trust
Ashford and St. Peter's Hospital NHS Trust
Royal Surrey County Hospital NHS Trust
Basingstoke and North Hampshire NHS Foundation Trust

Name of lead applicants:

Mr. Patrick Chong
Consultant Vascular Surgeon (FPH)
Dr. Jeremy Taylor
Consultant Vascular Interventional Radiologist (FPH)

Mr. Neil Browning
Consultant Vascular Surgeon (ASPH)
Mr. Allan Irvine
Consultant Vascular Interventional Radiologist (ASPH)

Surrey Vascular Group Network Consultants (alphabetical order)

Vascular Surgery

Mr. Tahir Ali (ASPH)
Mr. Neil Browning (ASPH)
Mr. Patrick Chong (FPH)
Mr. Marcus Cleanthis (ASPH)
Mr. Kieran Dawson (ASPH)
Mr. David Gerrard (FPH)
Mr. Peter Leopold (FPH)
Miss Cathy McGuinness (RSCH)
Miss. Sabine Sonnenberg (BNNH)
Mr. Richard Wilson (FPH)

Vascular Interventional Radiology

Dr. Michael Creagh (ASPH)
Dr. Robert Davies (ASPH)
Dr. John Hall (FPH)
Dr. Andrew Hatrick (FPH)
Dr. Graham Plant (NHH)
Dr. Jeremy Taylor (FPH)
Dr. Goz Ubhayakar (NHH)

Vascular Laboratory Scientists

Team from Beehive Medical Solutions

Statement of collaboration:

The Surrey Vascular Group Network is comprised of a multidisciplinary team of consultant vascular surgeons and consultant vascular interventional radiologists providing 24/7 cover 365 days a year in elective and emergency patients for a busy catchment population of 1.2 million across West Surrey and North Hampshire. Elective endovascular surgery is performed at our twin regional hubs at the Frimley and Chertsey sites where there are weekly multidisciplinary vascular meetings and well equipped operating angiography suites. A full range of diagnostic modalities are available including Non-invasive Vascular Laboratory investigations, CT Angiography and MR Angiography. There will be 2 hybrid endovascular operating suites (Phillips Allura Xper FD20) with 3-D rotational angiography by Spring 2012. In addition, the Surrey Vascular Group Network meets monthly for audit and complex case planning discussions.

There is close collaboration with cardiology (24 hour, 7 days a week cardiology interventional suites), renal medicine, hyper-acute stroke medicine and endocrinology in the multidisciplinary care of our cardiovascular patients. The network's proposal for an Abdominal Aortic Aneurysm Screening programme has been approved by the NAAASP and is expected to start in 2012. Rapid referral stroke and TIA pathways are already in place with the local carotid endarterectomy service audited as the fastest in the South East Coast SHA and South Central SHA in Round 3 of the National Carotid Endarterectomy Audit in 2011. In addition, there is also a multidisciplinary diabetic limb salvage service in the region. Our outcome data across all 4 sites is submitted prospectively to the National Vascular Database.

Our aim for 2012 is to establish a combined 24/7 Vascular and Interventional Radiology rota for the treatment of ruptured AAA with EVAR in the region and to start randomising ruptured AAA patients into the IMPROVE trial.

Record of training in endovascular surgery:

We have 3 dedicated vascular trainees in the network at anytime. In a 6 month pilot audit, on average, each vascular trainee has performed 10 diagnostic angiograms, 15 iliac or femoral angioplasties, 30 Endovenous laser ablations, 35 infra-renal EVAR and other endoluminal procedures such as tunnelled central venous access, IVC filter retrieval and coil embolisation for varicocoeles.

All our trainees are involved in the planning process for EVAR and learn to use 3-D workstations for stent graft sizing. EVAR devices currently in use locally include MEDTRONIC, COOK, VASCUTEK, ENDOLOGIX and TRIVASCULAR OVATION. Trainees are supervised as Primary Operator in endovenous and EVAR procedures.

By April 2012, there will be 3 hybrid endovascular operating suites in the network with the latest imaging equipment including 3D Rotational Angiography.

Number of index endovascular procedures undertaken in the network in the financial year 2010-2011:

Iliac Angioplasty	143
Infra-inguinal Angioplasty	170
Elective EVAR for IR-AAA	81
Emergency EVAR for ruptured AAA	5
TEVAR	8
IVC filter placement / retrieval	30
Catheter guided thrombolysis	19
Complex EVAR (branched or fenestrated)	14
Carotid Angioplasty and Stenting	13

Statement of endovascular training to be offered at the institution:

The BSET fellow will spend 12 months in the Network, rotating between Frimley Park Hospital (6 months) and St. Peter's Hospital (6 months). An educational supervisor will be assigned to the BSET fellow. The BSET will have regular meetings for appraisal at the start of their attachment and every 6 months to ensure training progress and to feedback regarding the quality of training received.

At the end of the 12 month fellowship, we anticipate that the BSET fellow will accumulate 30 diagnostic angiograms, 30 iliac angioplasties / stents, 20 femoral angioplasties / stents, 35 carotid endarterectomies, 30 EVLA and 50 infra-renal EVAR or open AAA repairs in their log books.

Participation at vascular multidisciplinary meetings is compulsory and ample opportunities exist for audit and research. The BSET fellow will be encouraged to submit a clinical audit or original clinical study using the network data to a regional or national vascular meeting during the attachment.

Range of endovascular work undertaken:

IR-EVAR
TEVAR
F-EVAR
Hybrid EVAR*
Totally branched endografting*
Carotid Angioplasty & Stenting (*ASPH only*)
Lower limb angioplasty and stenting
Visceral and renal angioplasty and stenting
Endovenous Laser
Endovenous Radiofrequency Ablation
Endovenous Foam Sclerotherapy
Thrombolysis for DVT

**These procedures are planned and performed at a Tertiary Referral Centre. The BSET fellow will be part of the team for these procedures at the Tertiary Referral Centre.*

Additional operative experience will be available to the BSET fellow in:

Open AAA repair	79 cases in 2010-2011
Carotid Endarterectomy	88 cases in 2010-2011
Complex lower extremity arterial bypass	122 cases in 2010-2011
Thoracic outlet decompression surgery	
Open varicose vein surgery	
Treatments for hyperhidrosis	

Schematic Timetable:

Frimley Park Hospital NHS Foundation Trust

Day of week	Monday	Tuesday	Wednesday	Thursday	Friday
AM	Vascular MDT Joint Ward Round & Vascular Business Meeting Main Theatre Operating	Vascular Clinic	Vascular Clinic Main Theatre Operating EVAR	Diabetic Limb Salvage MDT Main Theatre Operating / EVAR	Joint Ward Round Main Theatre Operating
PM	Main Theatre EVAR	Main Theatre Operating	Main Theatre Operating EVAR	Main Theatre Operating / EVAR	Main Theatre Operating / EVAR

Ashford & St. Peter's Hospital NHS Trust

Day of week	Monday	Tuesday	Wednesday	Thursday	Friday
AM	Angiosuite session	Alternate Main Theatre Operating / EVAR	Vascular MDT at ASPH Main Theatre Operating/EVAR Vascular Clinic	Main Theatre Operating EVAR	Vascular theatre operating EVAR
PM	Main Theatre Operating / Angiosuite session	Alternate Main Theatre Operating / EVAR	Angiosuite Session	Main Theatre Operating EVAR	Vascular Theatre EVAR / Vascular Clinic