

Vascular & Endovascular Challenges Update

FINAL ANNOUNCEMENT

Peripheral
Arterial
Challenges

Aortic
Challenges

Venous
Challenges

Acute
Stroke
Challenges

26–29 APRIL 2016

OLYMPIA GRAND • LONDON • UNITED KINGDOM



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 Carmine Sessa, *Grenoble, France*
 Eva Sevick, *Houston, United States*
 Joseph Shalhoub, *Imperial College, London, UK*
 Murray Shames, *Tampa, United States*
 Cliff Shearman, *Southampton, UK*
 Surendra Shenoy, *St Louis, United States*
 Amanda Shepherd, *Imperial College, London, UK*
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 Malcolm Simms, *Birmingham, UK*
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 Jonathan Sobocinski, *Lille, France*
 Kate Sommerville, *London, UK*
 Laurent Spelle, *Paris, France*
 Gerry Stansby, *Newcastle-upon-Tyne, UK*
 Benjamin Starnes, *Seattle, United States*
 Kate Steiner, *Stevenage, UK*
 Michael Sweeting, *Cambridge, UK*
 Attila Szabo, *Budapest, Hungary*

Nigel Tai, *London, UK*
 Ulf Teichgraber, *Jena, Germany*
 Gunnar Tepe, *Rosenheim, Germany*
 Fabien Theveau, *Strasbourg, France*
 Robert Thomas, *Imperial College, London, UK*
 John Thompson, *Exeter, UK*
 Matt Thompson, *London, UK*
 Giovanni Torsello, *M nster, Germany*
 Matteo Tozzi, *Varese, Italy*
 Santi Trimarchi, *San Donato Milanese, Italy*
 Stephen Tristram, *Basingstoke, UK*
 Nicola Troisli, *Florence, Italy*
 Rami Tzafiriri, *Lexington, United States*
 Jean-Francois Uhl, *Paris, France*
 Pinar Ulug, *Imperial College, London, UK*
 Domenico Valenti, *London, UK*
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 Leo van den Ham, *Arnhem, Netherlands*
 Ramon Varcoe, *Sydney, Australia*
 Frank Veith, *New York, United States*
 Maarit Venermo, *Helsinki, Finland*
 Hence Verhagen, *Rotterdam, Netherlands*
 Eric Verhoeven, *Nuremberg, Germany*
 Fabio Verzini, *Perugia, Italy*
 Renu Virmani, *Gaithersburg, United States*
 Jeffrey Y Wang, *Rockville, United States*
 Anders Wanhainen, *Uppsala, Sweden*
 Thomas Weiler, *Pforzheim, Germany*
 Rodney White, *Torrance, United States*
 Mark Whiteley, *Guildford, UK*
 Matthias Widmer, *Bern, Switzerland*
 Andrew Wigham, *Oxford, UK*
 Jason Wilkins, *London, UK*
 Angela Williams, *London, UK*
 Katherine Williams, *Imperial College, London, UK*
 Walter Wohlgemuth, *Regensburg, Germany*
 Dennis Wolf, *London, UK*
 Kenneth Woodburn, *Truro, UK*
 Thomas Wyss, *Bern, Switzerland*
 Patricio Zaefferer, *Buenos Aires, Argentina*
 J rgen Zanow, *Jena, Germany*
 Clark Zeebregts, *Groningen, Netherlands*
 Thomas Zeller, *Bad Krozingen, Germany*

Industry speakers

Daveen Chopra, *Santa Rosa, United States*
 Jason Field, *Flagstaff, United States*
 Bob Mitchell, *Hertogenbosch, Netherlands*
 Richard Rapoza, *Santa Clara, United States*
 Chas Taylor, *Horsham, UK*

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Roger Greenhalgh

Emeritus Professor of Surgery and Head of Vascular Surgery Research Group at Imperial College London, London, UK

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Professor and Head of the Department of Vascular Surgery at University Medical Centre Utrecht, Utrecht, Netherlands



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Professor of Vascular Surgery at St George's University of London and Consultant Vascular Surgeon at St George's Vascular Institute, London, UK

Aortic



Andrew Holden

Associate Professor of Radiology at Auckland University School of Medicine and Director of Interventional Services at Auckland City Hospital, Auckland, New Zealand



Janet Powell

Professor of Vascular Biology and Medicine, Imperial College London, London, UK



Dittmar Böckler

Professor of Vascular Surgery at University of Heidelberg and Head of Department of Vascular Surgery and Endovascular Surgery at University Hospital Heidelberg, Heidelberg, Germany



Giovanni Torsello

Professor, Head of Department of Vascular Surgery at Franziskus Hospital and Director of the Clinic for Vascular and Endovascular Surgery at the University of Münster, Münster, Germany

Acute Stroke Challenges



Ross Naylor

Honorary Professor of Vascular Surgery at University of Leicester and Consultant Vascular Surgeon at Leicester Royal Infirmary, Leicester, UK



Martin Brown

Professor of Stroke Medicine, Stroke Research Centre, UCL Institute of Neurology and Consultant Neurologist, The National Hospital for Neurology & Neurosurgery, Queen Square, London, UK

Peripheral Arterial



Cliff Shearman

Professor of Vascular Surgery at University of Southampton and Vascular Surgeon in the Department of Vascular Surgery, University Hospital Southampton Foundation Trust, Southampton, UK



Michael Edmonds

Professor of Diabetic Foot Medicine and Consultant Diabetologist at King's College Hospital, London, UK



Thomas Zeller

Professor of Angiology at Albert-Ludwigs University of Freiburg and Head of Department of Angiology at Universitäts – Herzzentrum Freiburg, Bad Krozingen, Germany



Iris Baumgartner

Professor and Head of Clinical and Interventional Angiology and Director of Vascular Research at University Hospital Bern, Bern, Switzerland



Andrew Bradbury

Sampson Gamgee Professor of Vascular Surgery in the College of Medical and Dental Sciences at the University of Birmingham, UK, and Consultant Vascular and Endovascular Surgeon at the Heart of England NHS Foundation Trust in Birmingham, UK. (He also advises in the Venous area of CX)

Venous



Ian Franklin

Consultant Vascular Surgeon at London Vascular Clinic, London, UK



Alun Davies

Professor of Vascular Surgery at Imperial College London and Consultant General Surgeon at Charing Cross Hospital, London, UK



Mark Whiteley

Visiting Professor University of Surrey, Consultant Vascular Surgeon at The Whiteley Clinic, Guildford, UK



Stephen Black

Consultant Vascular Surgeon at Guy's and St Thomas' Hospital, London, UK

International Advisors

Eric Verhoeven
Gunnar Tepe
Jan Brunkwall
Krassi Ivancev
Patrick Peeters
Nick Cheshire
Eric Chemla

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Rachel Bell
Marcus Brooks
Meryl Davis
Simon Ashley

Dear Colleagues,

The CX Abdominal, Thoracic and Juxta-Renal Aortic programmes are outstanding in 2016. The individual patient data (IPD) of the four randomised controlled trials on EVAR compared with open repair of abdominal aortic aneurysm have been merged and analysed. EVAR 1, DREAM, OVER and ACE together should answer questions that would be impossible to address only with data from individual trials. Results of this meta-analysis will be delivered first to the CX 2016 audience. EVAR 1 has had 15 years of follow-up and the CX audience will also be the first to learn how EVAR performs against open repair in the very long term. Given that patients were 74 years old on average at the beginning, those remaining will be a fair age! The findings of both the IPD of merged data and the late follow-up of EVAR 1 are expected to bring ground-breaking information to the audience and could inform guidelines. Be there to hear these!

It is said that a thrombosed false lumen of dissecting aneurysm implies a good prognostic outcome. The CX 2016 audience will hear the evidence for attempting to thrombose this false lumen in the hope of achieving better long-term outcomes. Is this complete bunkum or of real significance? You will vote and decide. If this is thought to be nonsense, should we intervene at all and if so how? The natural history of the condition is so clearly of great background relevance and will be discussed.

It is now a fact of life that the whole aorta can be reconstructed by endovascular techniques. But close examination is required to know the spinal ischaemia rate and the operative mortality of each segment of the aorta from the valve to the bifurcation compared with open surgery. CX 2016 will explore these topics.

First generation endovascular pioneers have suffered from radiation damage in driving the subject forward. We shall hear Dr Ted Diethrich recognising that his life as a cardiovascular surgeon was over from one day to the next when he discovered that he had a brain tumour. Deaths from malignancies are now recognised and attributed to the pioneering work these giants did on our behalf. Come to CX 2016 to hear what they did and the price it cost them! With this in mind CX 2016 concentrates on radiation reduction and reduction on the use of contrast. The concern is that malignancies and blindness could be complications of radiation damage. We need to know about this and act at once to do something about it.

Aortic Edited Live Cases are a huge feature of CX2016 and the audience will have the opportunity to question the operator on how each device and deployment technique can achieve optimal results over the long term.

The focus in Peripheral Arterial Disease remains with the superficial femoral artery. Treatment strategies, depending on lesion type and length, will be analysed and there will be special emphasis on the status and expectations with different modalities. There is high expectation of what can be achieved by drug-coated balloons, yet there is healthy scepticism on how durable they will be for longer lesions. It may take two to three years before we know for sure how the drug-coated balloon compares with stents particularly for longer lesions. Stents are used more commonly for longer lesions and better results are sought by engaging swirling flow or stents with strong radial strength. Data on these technologies will be discussed. Additionally, the value of drug-eluting stents has been demonstrated with five-year data and now newer scaffolds are available. All current options will be explored.

The CX Venous Programme takes place in the new Lower Main Auditorium on the first day of CX so that it can be followed by the two-day CX Venous workshop. In the Main Programme we shall hear data from some new trials including VIDIO, a trial of venography versus IVUS in the investigation of venous outflow obstruction and the Zilver-Vena trial. The use of venous stents is increasing and venous stents can be used in some cases of post-thrombotic syndrome.

The New Acute Stroke Challenges Section is being launched as a multidisciplinary coming together of the specialists concerned with the pathway of care for those patients who suffer embolisation to the brain. Intracranial stent retrieval is possible in the hands of certain skilled interventional vascular neuroradiologists. It is logical for this meeting to be launched at this large vascular and endovascular meeting as embolisation to the brain is more commonplace of late as a result of the arch of aorta manipulations associated with endovascular procedures. It seems mandatory that such skills should be available and easily to hand when those potentially dangerous procedures are performed which could result in an embolus to the brain. The good news is that rapid intracranial clot retrieval works. We have to know about this!

I do hope that you will again come to Charing Cross. The meeting has never had a better programme than this one.

Roger Greenhalgh
Chairman, CX Programme Organising Board

CX at a glance

Date/Location	Upper Main Auditorium	Lower Main Auditorium	Pillar Hall Learning Centre	Olympia Room Learning Centre	London Room Learning Centre	Gallery	Exhibition Hall
Tuesday 26 April	Peripheral Arterial Challenges <i>Main Programme</i>	Venous Challenges <i>Main Programme</i>		CX Paediatric Vascular Issues	Thoracic Aortic Abstract Presentations		
			CX Meets Latin America	CX Vascular Malformations	Abdominal Aortic Aneurysm Abstract Presentations		
Wednesday 27 April	Abdominal Aortic Challenges <i>Main Programme</i>	CX Peripheral Live and Edited Cases	NEW CX Vascular Access Course – Day 1	CX Innovation Showcase	Peripheral Arterial Abstract Presentations	CX Venous Workshop – Day 1	
Thursday 28 April	Thoracic Aortic Challenges <i>Main Programme</i>	CX Aortic Edited Cases	cx eg Collaboration Day	CX Imaging Day and Imaging Abstract Presentations (Visit to the Exhibition area in the afternoon)		CX Venous Workshop – Day 2	NEW CX Vascular Access Course – Day 2 Skills Course
				Acute Stroke Challenges Abstract Presentations			
Friday 29 April	Acute Stroke Challenges <i>Main Programme</i>	Aortic / Peripheral Abstract Presentations	Vascular Access Abstract Presentations	European Vascular Surgeons in Training Prize Session esvs evst	Venous Abstract Presentations		

Main topics key

These colour-coded boxes help you identify your topics of interest

■ Aortic

■ Acute Stroke

■

Peripheral Arterial

■ Venous

Tuesday 26 April 2016 – Day 1

PERIPHERAL ARTERIAL CHALLENGES

Upper Main Auditorium

Introduction

Chairman: Cliff Shearman, Southampton, United Kingdom

Moderator: Iris Baumgartner, Bern, Switzerland

08:00-08:07	Exercise therapy for claudicants – the guidance from NICE and other healthcare regulators is being ignored Jonathan Beard, Sheffield, United Kingdom
08:07-08:14	Wearable exercise tracker improves intermittent claudication Celia Riga, Imperial College, London, United Kingdom
08:14-08:21	Hypertension and the risk of peripheral arterial disease Kazem Rahimi, Oxford, United Kingdom
08:21-08:28	Debulking of arterial occlusions (Rotarex) Michael Lichtenberg, Arnsberg, Germany
08:28-08:40	Audience participation and discussion

Superficial femoral artery

Chairman: Roger Greenhalgh, Imperial College, London, United Kingdom

Moderator: Frans Moll, Utrecht, Netherlands

Current status and expectations of drug-coated balloons

08:40-08:48	Rationale, evidence and indication for plaque modification before drug-coated balloon Erwin Blessing, Heidelberg, Germany
08:48-08:56	Technique and role of predilation in drug-coated balloon practice Stephan Duda, Berlin, Germany
08:56-09:04	Audience participation and discussion
09:04-09:12	Podium 1st: IN.PACT SFA two-year results – drug-coated balloon use in women and in diabetics Peter Schneider, Honolulu, United States
09:12-09:20	Arterial wall response to drug-coated balloon use Renu Virmani, Gaithersburg, United States
09:20-09:28	Outcomes from the German cohort in Levant 2 with procedural key issues Dierk Scheinert, Leipzig, Germany
09:28-09:36	Audience participation and discussion
09:36-09:44	ILLUMENATE global study – interim analysis Thomas Zeller, Bad Krozingen, Germany
09:44-09:52	Podium 1st: IN.PACT Global drug-coated balloon for complete total occlusion Gunnar Tepe, Rosenheim, Germany
09:52-10:00	Audience participation and discussion

COFFEE

Coffee symposium – Stent benefits

Chairman: Ramon Varcoe, Sydney, Australia

10:03-10:12	Stent characteristics overcome calcified lesions Enrique Puras Mallagray, Madrid, Spain
10:12-10:21	Economic benefit from avoiding reintervention Michael Jaff, Boston, United States
10:21-10:28	Audience participation and discussion Supported by an unrestricted educational grant

Stent challenges

Chairman: Roger Greenhalgh, Imperial College, London, United Kingdom

Moderator: Giovanni Torsello, Münster, Germany

10:30-10:38	Swirling flow is the aim for durable results Peter Gaines, Sheffield, United Kingdom
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10:38-10:46	Radial strength and stent design can overcome calcified lesions Peter Goverde, Antwerp, Belgium
10:46-10:54	Zilver PTX – five-year results show the value of stent drug elution Michael Dake, Stanford, United States
10:54-11:02	The value of polymer release and paclitaxel combination with drug-eluting stents Juan Granada, Orangeburg, United States
11:02-11:18	Audience participation and discussion
The challenges of the long lesion	
11:18-11:26	Drug-coated balloons for lesions >15cm Michael Jaff, Boston, United States
11:26-11:34	Atherectomy and drug-coated balloon for long and calcified lesions Thomas Zeller, Bad Krozingen, Germany
11:34-11:42	Sequential stents for long lesions Donald Jacobs, St Louis, United States
11:42-11:54	Audience participation and discussion
11:54-12:02	Subintimal stent use for critical ischaemia and biphasic wave forms Luis Mariano Palena, Abano Terme, Italy
12:02-12:10	The use of a single long stent Peter Goverde, Antwerp, Belgium
12:10-12:18	The use of stent graft as a priority for lesions greater than 25cm Jorge Fernandez Noya, Santiago de Compostela, Spain
12:18-12:30	Audience participation and discussion

LUNCH

Lunch symposium – Drug-coated balloon benefits

Chairman: Michael Jaff, Boston, United States

12:33-12:42	IN.PACT SFA two-year results of drug-coated balloon William Gray, Wynnewood, United States
12:42-12:51	EU healthcare economic analysis of IN.PACT SFA use Konstantinos Katsanos, London, United Kingdom
12:51-12:58	Audience participation and discussion Supported by an unrestricted educational grant

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See more on page 16

The challenges of in-stent restenosis

Chairman: Frans Moll, Utrecht, Netherlands

Moderator: Andrew Holden, Auckland, New Zealand

13:30-13:37	Drug-coated balloons for in-stent restenosis Marianne Brodmann, Graz, Austria
13:37-13:44	Patterns are different for bare metal stent and drug-eluting stent which affect ease of management Gary Ansel, Columbus, United States
13:44-13:51	Any stent restenosis treated by stent graft Jeffrey Wang, Rockville, United States
13:51-14:01	Audience participation and discussion
14:01-14:08	Zilver PTX – interpretations of restenosis Thomas Zeller, Bad Krozingen, Germany
14:08-14:15	Treatment of iliac in-stent restenosis with laser debulking and covered stents Jos van den Berg, Lugano, Switzerland
14:15-14:22	Angioplasty alone or drug-coated balloon or laser debulk/drug-coated balloon for in-stent restenosis Eric Ducasse, Bordeaux, France
14:22-14:29	Ten-year follow-up of 1,000 patients with heparin-bonded PTFE Raffaele Pulli, Florence, Italy
14:29-14:46	Audience participation and discussion

Popliteal aneurysm

14:46-14:54	Popliteal aneurysm sac volume shrinkage after stent graft Michele Antonello, Padua, Italy
14:54-14:58	Audience participation and discussion

Below the knee

14:58-15:06	Perfusion angiography for ischaemic tissue Jim Reekers, Amsterdam, Netherlands
15:06-15:14	Audience participation and discussion
15:14-15:22	Multi-modality advanced imaging for severe peripheral ischaemia Koen Deloose, Dendermonde, Belgium
15:22-15:30	Audience participation and discussion
TEA	
Tea symposium – Lower limb solutions	
Chairman: Michel Reijnen, Arnhem, Netherlands	
15:33-15:42	Latest generation of conforming dual component stent Fabien Thaveau, Strasbourg, France
15:42-15:51	The heparin bonding makes a difference on ePTFE femoropopliteal bypass grafts Thomas Schmitz-Rixen, Frankfurt, Germany
15:51-15:58	Audience participation and discussion Supported by an unrestricted educational grant
Chairperson: Iris Baumgartner, Bern, Switzerland	
Moderator: Thomas Zeller, Bad Krozingen, Germany	
16:00-16:08	MRA calf perfusion before and after angioplasty Gerd Groezinger, Tübingen, Germany
16:08-16:16	First experience with a bioresorbable, everolimus-eluting vascular scaffold in arteries below the knee Ramon Varcoe, Sydney, Australia
16:16-16:24	Angiosome concept in the treatment of critical limb ischaemia Maarit Venermo, Helsinki, Finland
16:24-16:32	A novel solution for below-the-knee arterial clot management for acute ischaemia Roberto Gandini, Rome, Italy
16:32-16:40	Ten-year results of pedal bypass surgery Anders Albäck, Helsinki, Finland
16:40-16:52	Audience participation and discussion

Mini-symposium: Wound healing

Chairman: Michael Edmonds, London, United Kingdom

Moderator: Cliff Shearman, Southampton, United Kingdom

16:52-17:00	The need to measure wound healing William Jeffcoate, Nottingham, United Kingdom
17:00-17:08	Early detection of ulceration in diabetic feet – an intelligent telemedicine system Jeff van Baal, Almelo, Netherlands
17:08-17:16	The enduring principles of ulcer and wound healing in the ischaemic lower limb Frank Veith, New York, United States
17:16-17:24	The use of autologous cell suspension for complex diabetic wounds Harvey Chant, Truro, United Kingdom
17:24-17:32	Adjunctive techniques including offloading and hyperbaric oxygen Andrew Boulton, Manchester, United Kingdom
17:32-17:40	Pulsating negative pressure to increase peripheral blood flow – mechanisms and potential clinical benefit Jonny Hisdal, Oslo, Norway
17:40-18:00	Audience participation and discussion

Additional Peripheral Arterial activities

CX Peripheral Live and Edited Cases
Wednesday 27 AprilCX Peripheral Arterial Abstract Presentations
Wednesday 27 April and Friday 29 AprilCX ilegx Collaboration Day
Thursday 28 April

Tuesday 26 April 2016 – Day 1

VENOUS CHALLENGES

Lower Main Auditorium

Deep vein thrombosis challenges
Inferior vena cava interruption

Chairman: Stephen Black, London, United Kingdom

Moderator: Ian Franklin, Imperial College, London, United Kingdom

08:00-08:08	Protection from embolisation using Capturex	Thomas Heller, Rostock, Germany
08:08-08:16	Vena cava filter Celect Platinum	Richard McWilliams, Liverpool, United Kingdom
08:16-08:24	Audience participation and discussion	

Acute deep vein thrombosis challenges

08:24-08:32	From venous thrombosis to post-thrombotic syndrome	Marzia Lugli, Modena, Italy
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08:32-08:40	Deep vein thrombosis (DVT) in pregnancy	Wilhelm Sandmann, Duisburg, Germany
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08:40-08:48	Conservative management of DVT	Gerry Stansby, Newcastle-upon-Tyne, United Kingdom
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08:48-08:56	Investigating patients with acute DVT	Karen Breen, London, United Kingdom
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08:56-09:04	Ageing deep vein thrombosis	Brahman Dharmarajah, Imperial College, London, United Kingdom
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09:04-09:12	Audience participation and discussion	
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09:12-09:20	Selection of patients for acute DVT intervention	Carsten Arnoldussen, Maastricht, Netherlands
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09:20-09:28	Strategies for clot removal, lysis and mechanical thrombectomy	Robert Thomas, Imperial College, London, United Kingdom
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09:28-09:36	Deep venous catheter design (Zelante) for deep venous thrombectomy	Gerard O'Sullivan, Galway, Ireland
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09:36-09:44	Endovascular treatment for acute DVT and pulmonary embolism – Indigo System	Michael Lichtenberg, Arnsberg, Germany
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09:44-09:52	Detachment of occlusive thrombus in deep vein, aspiration, fragmentation and removal – Aspirex	Thomas Heller, Rostock, Germany
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09:52-10:00	Audience participation and discussion	COFFEE
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Deep vein stenting challenges

Chairman: Frans Moll, Utrecht, Netherlands

Moderator: Gerry Stansby, Newcastle-upon-Tyne, United Kingdom

10:30-10:38	It is not just about patency – scales and quality of life outcomes	Alun Davies, Imperial College, London, United Kingdom
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10:38-10:46	VIDIO trial – IVUS significantly improves diagnostic accuracy	Paul Gagne, Darien, United States
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10:46-10:54	Factors influencing outcome in venous stenting	Stephen Black, London, United Kingdom
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10:54-11:02	From lab to patient – strategies to improve stent patency	Prakash Saha, London, United Kingdom
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11:02-11:10	VIRTUS trial update on iliofemoral venous outflow obstruction	Lowell Kabnick, New York, United States
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11:10-11:18	Zilver Vena trial “first glimpse”	Gerard O'Sullivan, Galway, Ireland
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11:18-11:30	Audience participation and discussion	
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Proximal deep venous obstruction and pelvic vein reflux challenges

11:30-11:38	Deep venous stenting before superficial venous intervention	Ian Franklin, Imperial College, London, United Kingdom
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11:38-11:46	Selection of patients for pelvic vein intervention – which patients to treat and which patients to manage conservatively?	Kathleen Gibson, Bellevue, United States
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11:46-11:54	Male pattern pelvic reflux	Previn Diwakar, London, United Kingdom
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11:54-12:02	Implications of pelvic vein embolisation for subsequent pregnancies	Anthony Lopez, London, United Kingdom
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12:02-12:10	Pelvic vein embolisation for treatment of haemorrhoids	David Beckett, Guildford, United Kingdom
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12:10-12:18	Pathogenesis of haemorrhoids – colorectal surgeon's perspective	Peter Dawson, Imperial College, London, United Kingdom
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12:18-12:30	Audience participation and discussion	LUNCH
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Lymphoedema challenges

Chairman: Mark Whiteley, Guildford, United Kingdom

Moderator: Ian Franklin, Imperial College, London, United Kingdom

13:30-13:38	Molecular and cellular basis of lymphoedema and venous disease	Oliver Lyons, London, United Kingdom
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13:38-13:46	Lipoedema vs. lymphoedema	Peter Mortimer, London, United Kingdom
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13:46-13:54	Real-time, point-of-care lymphatic imaging	Eva Sevvik, Houston, United States
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13:54-14:02	Silicone tubule implants for lower limb lymphoedema	Rajesh Hydrabadi, Ahmedabad, India
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14:02-14:18	Audience participation and discussion	
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Superficial venous challenges
Varicose vein challenges

Chairman: Ian Franklin, Imperial College, London, United Kingdom

Moderator: Mark Whiteley, Guildford, United Kingdom

14:18-14:26	Ultrasound placed percutaneous clips will make CHIVA more widely applicable	Lowell Kabnick, New York, United States
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14:26-14:34	VeClose randomised controlled trial two-year follow-up	Raghu Kolluri, Columbus, United States
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14:34-14:42	Differences between great, small, accessory saphenous and Giacomini veins in terms of choice of technique for treating venous reflux	Steve Elias, Englewood, United States
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14:42-14:50	Audience participation and discussion	
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14:50-14:58	The future of bipolar radiofrequency thermal ablation	Thomas Weiler, Pforzheim, Germany
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14:58-15:06	The need to correct the accessory thigh vein and great saphenous vein even if only one incompetent	Lowell Kabnick, New York, United States
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15:06-15:14	Quality of life results in the use of cyanoacrylate adhesive embolisation	Kathleen Gibson, Bellevue, United States
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15:14-15:22	Audience participation and discussion	TEA
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Tea symposium – Trial updates

Chairman: Manj Gohel, Cambridge, United Kingdom

15:33-15:42	eScope clinical trial – two- and three-year follow-up	Thomas Proebstle, Mainz, Germany
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15:42-15:51	VeClose roll-in patient results	Raghu Kolluri, Columbus, United States
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15:51-15:58	Audience participation and discussion	Supported by an unrestricted educational grant
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Chairman: Alun Davies, Imperial College, London, United Kingdom

Moderator: Ian Franklin, Imperial College, London, United Kingdom.

16:00-16:08	Role of antibiotics in varicose vein treatment	Ian Chetter, Hull, United Kingdom
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16:08-16:16	Venous wall thickness determines optimal choice of endovenous treatment	Mark Whiteley, Guildford, United Kingdom
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16:16-16:24	Management of anatomically difficult revascularisation	Barrie Price, Guildford, United Kingdom
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16:24-16:32	Anti-DVT prophylaxis for ambulatory varicose vein procedures	Isaac Nyamekye, Worcester, United Kingdom
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16:32-16:40	Sclerotherapy of the subulcer plexus – practical tips for success	Manj Gohel, Cambridge, United Kingdom
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16:40-16:48	Audience participation and discussion	
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16:48-16:56	Compression film bandage after sclerotherapy	Johann Christof Ragg, Berlin, Germany
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16:56-17:04	Strategies for getting the best cosmetic results for thread vein/ telangiectasia treatment	Thomas Proebstle, Mainz, Germany
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17:04-17:12	Laser treatment of reticular and subcuticular veins	Kasuo Miyake, São Paulo, Brazil
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17:12-17:20	Evidence of choice of sclerosant for treatment of telangiectasia	Simon Ashley, Plymouth, United Kingdom
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17:20-17:30	Audience participation and discussion	
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Additional Venous activities

CX Venous Workshop
Wednesday 27 April and Thursday 28 AprilCX Venous Abstract Presentations
Friday 29 April

Wednesday 27 April 2016 – Day 2

ABDOMINAL AORTIC ANEURYSM CHALLENGES

Upper Main Auditorium

Lifestyle and aneurysm growth

Chairman: Andrew Holden, Auckland, New Zealand

Moderator: Matt Thompson, London, United Kingdom

08:00-08:08 **Lifestyle risk factors and risk to develop abdominal aortic aneurysm (AAA)**
Martin Björck, Uppsala, Sweden08:08-08:18 **Ticagrelor and the inhibition of growth in small AAAs**
Anders Wanhainen, Uppsala, Sweden08:18-08:24 **AAA measurement and enlargement – a study of three medical centres**
Frank Lederle, Minneapolis, United States08:24-08:32 **Stresses and strains leading to iliac aneurysm rupture**
Janet Powell, Imperial College, London, United Kingdom08:32-08:48 **Audience participation and discussion**

Population screening challenges

08:48-08:56 **National population-based AAA screening programmes remain a challenge for public health systems**
Vincent Riambau, Barcelona, Spain08:56-09:04 **The need for AAA screening to include examination of the common iliac arteries**
Martin Björck, Uppsala, Sweden09:04-09:12 **Aneurysm screening and the saving of lives**
Frank Lederle, Minneapolis, United States09:12-09:20 **Screening of patients with subaneurysmal aortas**
Matthew Bown, Leicester, United Kingdom09:20-09:36 **Audience participation and discussion**

The threshold for elective intervention for abdominal aortic and iliac aneurysm

09:36-09:44 **Challenges in international harmonisation of AAA treatment**
Kevin Mani, Uppsala, Sweden09:44-09:52 **The changing epidemiology of abdominal aortic aneurysms in Europe**
David Sidloff, Leicester, United Kingdom09:52-10:00 **Audience participation and discussion**

COFFEE

Coffee symposium – Optimum seal and conformable design for challenging aortic anatomies

Chairman: Dittmar Böckler, Heidelberg, Germany

10:03-10:12 **Achieving precise placement, optimal seal and conformability in challenging aortic anatomies**
Robert Rhee, New York, United States10:12-10:21 **The benefits of conformable design in treating challenging thoracic pathologies**
William Jordan, Atlanta, United States10:21-10:28 **Audience participation and discussion**

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Chairman: Martin Björck, Uppsala, Sweden

Moderator: Dittmar Böckler, Heidelberg, Germany

10:30-10:37 **The reimbursement influence on practice**
Richard Grieve, London, United Kingdom10:37-10:44 **Internal iliac artery aneurysm does not rupture when the diameter is 3cm, but when it is 7cm**
Maarit Venermo, Helsinki, Finland10:44-10:51 **Publication of surgeon level results and risk aversion**
Ian Loftus, London, United Kingdom10:51-11:03 **Audience participation and discussion**11:03-11:23 **Great Debate: The threshold for intervention for abdominal aortic aneurysm should be settled by randomised controlled trials**

For the motion:

Jonathan Earnshaw, Gloucester, United Kingdom

Janet Powell, Imperial College, London, United Kingdom

Charles McCollum, Manchester, United Kingdom

Alan Karthikesalingam, London, United Kingdom

Against the motion:

11:23-11:39 **Discussion and vote**

Abdominal aortic technical challenges

11:39-11:46 **Durability and iteration of Zenith series EVAR devices enable low profile development with safety**
Eric Verhoeven, Nuremberg, Germany11:46-11:53 **New delivery system improves EVAR experience**
Andrew Holden, Auckland, New Zealand11:53-12:00 **The clinical need for an iliac-branched endoprosthesis**
Michel Reijnen, Arnhem, Netherlands12:00-12:07 **Repositionable ultra-low profile EVAR system avoiding cannulation for simple deployment**
Dierk Scheinert, Leipzig, Germany12:07-12:14 **Preliminary results of the TREO phase II clinical trial**
Matthew Eagleton, Cleveland, United States12:14-12:30 **Audience participation and discussion**

LUNCH

Lunch symposium – New trends in EVAR practice

Chairman: Piergiorgio Cao, Rome, Italy

12:33-12:39 **Reduced follow-up visits by protocol**
Matt Thompson, London, United Kingdom12:39-12:45 **Type I endoleak and use of EndoAnchors for the failing endograft**
Jean-Paul de Vries, Nieuwegein, Netherlands12:45-12:51 **Evolution to lower profile whilst maintaining durability**
Hence Verhagen, Rotterdam, Netherlands12:51-12:58 **Audience participation and discussion**

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EVAR follow-up and avoidance of secondary sac rupture and death

Chairman: Roger Greenhalgh, Imperial College, London, United Kingdom

Moderator: Janet Powell, Imperial College, London, United Kingdom

Podium 1st: Individual Patient Data (IPD) – Meta-analysis of the EVAR 1, DREAM, OVER and ACE trials13:30-13:35 **Pinar Ulug, Imperial College, London, United Kingdom**13:35-13:40 **Michael Sweeting, Cambridge, United Kingdom**13:40-13:45 **Janet Powell, Imperial College, London, United Kingdom**13:45-13:47 **Jan Blankensteijn, DREAM P.I.**13:47-13:49 **Frank Lederle, OVER P.I.**13:49-13:51 **Jean-Pierre Becquemin, ACE P.I.**13:51-13:56 **Roger Greenhalgh, Imperial College, London, United Kingdom**13:56-14:10 **Audience participation and discussion****Podium 1st: EVAR trials – 15-year follow-up**14:10-14:15 **Raj Patel, Imperial College, London, United Kingdom**14:15-14:20 **Michael Sweeting, Cambridge, United Kingdom**14:20-14:25 **Janet Powell, Imperial College, London, United Kingdom**14:25-14:30 **David Epstein, York, United Kingdom**14:30-14:35 **Roger Greenhalgh, Imperial College, London, United Kingdom**14:35-14:55 **Audience participation and discussion**14:55-15:02 **Current treatment of AAA in Germany – outcomes and trends in a five-year follow-up**
Sebastian Debus, Hamburg, Germany15:02-15:09 **Randomised controlled trial on effect of aneurysm sac embolisation for endoleak type II prevention**
Franco Grego, Padua, Italy15:09-15:16 **Arsenal aneurysm sac filling/sealing with any EVAR device**
Andrew Holden, Auckland, New Zealand15:16-15:23 **Type II endoleaks with enlarging aneurysms imply type I endoleak until disproved**
Michel Makaroun, Pittsburgh, United States15:23-15:30 **Audience participation and discussion**

TEA

Tea symposium – State of the art of EndoVascular Aneurysm Sealing (EVAS)

Chairman: Frank Veith, New York, United States

15:33-15:39 **Prevention and management of type Ia endoleaks: EVAS vs. EVAR**
Michel Reijnen, Arnhem, Netherlands15:39-15:45 **Balloon-expandable infrarenal neck changes neck diameter very little**
Dainis Krievins, Riga, Latvia15:45-15:51 **EVAS global clinical trial results**
Matt Thompson, London, United Kingdom15:51-15:58 **Audience participation and discussion**

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Chairman: Frans Moll, Utrecht, Netherlands

Moderator: Sebastian Debus, Hamburg, Germany

16:00-16:12 **Debate: All the risk scores are useless for elective AAA**
For the motion: Ron Balm, Amsterdam, Netherlands

Against the motion: Matt Thompson, London, United Kingdom

16:12-16:24 **Discussion and vote**16:24-16:32 **The different appearance of endoleaks after EndoVascular Aneurysm Sealing (EVAS)**
Andrew Holden, Auckland, New Zealand16:32-16:40 **Latest generation device aneurysm – related mortality vs. benchmark EVAR 1 trial at four years**
Dittmar Böckler, Heidelberg, Germany16:40-16:42 **Comment: The use of Onyx for type II endoleak**
Robert Morgan, London, United Kingdom16:42-16:52 **Audience participation and discussion**

Infected abdominal aortic aneurysm challenges

Chairman: Frans Moll, Utrecht, Netherlands

Moderator: Sebastian Debus, Hamburg, Germany

16:52-17:00 **Endo-VAC – a novel treatment option for infected vascular reconstructions**
Anders Wanhainen, Uppsala, Sweden

Ruptured abdominal aortic aneurysm

Chairman: Frans Moll, Utrecht, Netherlands

Moderator: Sebastian Debus, Hamburg, Germany

17:00-17:08 **Protocol approach before and after rupture improves outcome**
Benjamin Starnes, Seattle, United States17:08-17:16 **Fate of patients unwilling or unsuitable to undergo surgical interventions for ruptured abdominal aortic aneurysm (57 untreated patients)**
Ron Balm, Amsterdam, Netherlands17:16-17:24 **Developing a 48-hour mortality risk score for ruptured abdominal aortic aneurysm**
Michael Sweeting, Cambridge, United Kingdom17:24-17:32 **Benefits of local anaesthetic for ruptured AAA repair**
Robert Hinchliffe, London, United Kingdom17:32-17:40 **Increase the number of patients offered intervention for ruptured AAA**
Matt Thompson, London, United Kingdom17:40-18:00 **Audience participation and discussion**

Thursday 28 April 2016 – Day 3

THORACIC AORTIC ANEURYSM CHALLENGES

Upper Main Auditorium

Introduction

Chairman: Matt Thompson, London, United Kingdom

Moderator: Dittmar Böckler, Heidelberg, Germany

08:00-08:12	Debate: Growth rate of small thoracic abdominal aortic aneurysm (TAAA) is known and relevant For the motion: Peter Holt, London, United Kingdom Against the motion: Jan Blankensteijn, Amsterdam, Netherlands
08:12-08:18	Discussion and vote

Thoracic aneurysm challenges – risks of operative death and spinal cord ischaemia

08:18-08:26	The Uppsala algorithm to prevent spinal cord ischaemia during extensive aortic surgery Anders Wanhainen, Uppsala, Sweden
08:26-08:34	Ascending, arch, descending and juxtarenal aortic reconstructive risks of operative death or spinal cord ischaemia with comparison of open and endovascular results Michael Jacobs, Maastricht, Netherlands
08:34-08:42	Low spinal cord ischaemia time with BEVAR and FEVAR is vital Eric Verhoeven, Nuremberg, Germany
08:42-08:50	Neurological consequences of endovascular aortic aneurysm surgery – EVAR and TEVAR Ruth Benson, Stoke-on-Trent, United Kingdom
08:50-09:05	Audience participation and discussion
09:05-09:13	Endovascular non-branched ascending aortic TEVAR with potential valve replacement: operative mortality and complications Rodney White, Torrance, United States
09:13-09:21	Aortic arch hybrid debranching Sebastian Debus, Hamburg, Germany
09:21-09:29	Single branch zone 0 Michel Makaroun, Pittsburgh, United States
09:29-09:37	Single branch zone 2 Michael Dake, Stanford, United States
09:37-09:45	Dual branch use for the aortic arch Piergiorgio Cao, Rome, Italy
09:45-10:00	Audience participation and discussion

COFFEE

Coffee symposium – Novel endograft systems with increased accuracy and control

Chairman: Andrew Holden, Auckland, New Zealand

10:03-10:12	New generation delivery system with optimal control for simple to complex abdominal aortic aneurysms Nilo Mosquera, Ourense, Spain
10:12-10:21	A new paradigm in EVAR – simplifying the procedure with increased accuracy and control David Murray, Manchester, United Kingdom
10:21-10:28	Audience participation and discussion Supported by an unrestricted educational grant

Mini-symposium: Acute and chronic type B dissection – false lumen challenges

Chairman: Roger Greenhalgh, Imperial College, London, United Kingdom

Moderator: Sebastian Debus, Hamburg, Germany

10:30-10:38	Following the structure of the descending aorta from two years before acute type B dissection Martin Czerny, Freiburg, Germany
10:38-10:46	Avoidance of retrograde type A dissection and aortic remodelling after TEVAR Dennis Gable, Dallas, United States



10:46-10:54	Impact of TEVAR on late mortality in chronic type B dissection Matt Thompson, London, United Kingdom
10:54-11:02	Predictors of intervention and mortality in patients with uncomplicated acute type B aortic dissection Ali Azizzadeh, Houston, United States
11:02-11:17	Audience participation and discussion
11:17-11:25	Aortic remodelling after standard TEVAR in chronic type B dissection Santi Trimarchi, San Donato Milanese, Italy
11:25-11:33	Retrospective analysis of chronic type B dissection treated intervention – future prediction of intervention defined Dittmar Böckler, Heidelberg, Germany
11:33-11:41	The legitimacy of embolisation of the false lumen Tara Mastracci, London, United Kingdom
11:41-11:56	Audience participation and discussion
11:56-12:16	Great Debate: In chronic type B dissection, there is no place for false lumen embolisation – true lumen TEVAR is preferred For the motion: Peter Mossop, Melbourne, Australia Jonathan Sobocinski, Lille, France Tilo Köhl, Hamburg, Germany Fabrizio Fanelli, Rome, Italy Against the motion:

12:16-12:30 Discussion and vote

LUNCH

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See more on page 16

TEVAR follow-up

Chairperson: Tara Mastracci, London, United Kingdom

Moderator: Janet Powell, Imperial College, London, United Kingdom

13:30-13:38	M2S retrospective data may indicate failure of TEVAR for current sac expansion Peter Holt, London, United Kingdom
13:38-13:46	15-year experience of TAA – similar 30-day mortality endovascular and open and similar paraplegia rates Roberto Chiesa, Milan, Italy
13:46-13:54	Long-term survival after TEVAR depends on indications Kevin Mani, Uppsala, Sweden
13:54-14:02	Five-year durability and outcomes of Valor II Rodney White, Torrance, United States
14:02-14:10	The optimal method of closure of large femoral artery holes after device introduction for percutaneous EVAR/TEVAR Giovanni Pratesi, Rome, Italy
14:10-14:25	Audience participation and discussion

Mini-symposium: Radiation damage to the pioneer operators and methods to reduce radiation exposure during endovascular procedures

14:25-14:33	Introduction – the debt we owe to endovascular pioneers Roger Greenhalgh, Imperial College, London, United Kingdom
14:33-14:41	Methods to reduce radiation exposure during endovascular procedures Barry Katzen, Miami, United States
14:41-14:49	Endovascular total aorta replacement challenges Timothy Resch, Malmö, Sweden
14:49-14:57	Radiation protection training and reduction of radiation exposure to patients and staff Lars Lönn, Copenhagen, Denmark
14:57-15:05	Radiation dose associated with complex arch and thoracoabdominal interventions Fiona Rohlf, Hamburg, Germany
15:05-15:13	Every effort is made to reduce radiation exposure whilst doing complex aortic endovascular reconstruction Stéphan Haulon, Lille, France
15:13-15:30	Audience participation and discussion

TEA

Industry Sponsored Satellite

See more on page 16

Aortic transection challenges and a conundrum

Chairman: Andrew Holden, Auckland, New Zealand

Moderator: Richard Gibbs, Imperial College, London, United Kingdom

16:00-16:08	Accurate placement of thoracic low-profile stent graft system for aortic transection Benjamin Starnes, Seattle, United States
16:08-16:16	The Kommerell Conundrum – diverticulum or aneurysm, and when and how to treat Frank Criado, Baltimore, United States
16:16-16:24	Audience participation and discussion

JUXTARENAL CHALLENGES

Upper Main Auditorium

Challenging and short infrarenal neck

16:24-16:32	Treatment options for challenging EVAR utilising polymer ring technology Ventakesh Ramaiah, Phoenix, United States
16:32-16:40	A standard EVAR device can be used with EndoAnchor for aortic neck <10mm William Jordan, Atlanta, United States
16:40-16:48	The value of hybrid debranching Roberto Chiesa, Milan, Italy
16:48-16:56	EVAR repair with and without parallel graft use Ralf Kolvenbach, Düsseldorf, Germany
16:56-17:04	Use of polymer seal with complex aortic aneurysm necks and use of parallel grafts Matt Thompson, London, United Kingdom
17:04-17:12	Configuration affects parallel graft results Murray Shames, Tampa, United States
17:12-17:32	Audience participation and discussion
17:32-17:44	Debate: More than two parallel grafts relate to poorer outcome For the motion: Konstantinos Donas, Münster, Germany Against the motion: Frans Moll, Utrecht, Netherlands
17:44-17:54	Discussion and vote

Additional Aortic activities

CX Abdominal Aortic Aneurysm Abstract Presentations
Tuesday 26 AprilCX Thoracic Abstract Presentations
Tuesday 26 AprilCX Aortic Edited Cases
Thursday 28 AprilCX Aortic Abstract Presentations
Friday 29 April

Friday 29 April 2016 – Day 4

NEW ACUTE STROKE CHALLENGES

Upper Main Auditorium

Selection for intervention challenges

Chairman: Ross Naylor, Leicester, United Kingdom

Moderator: Tommy Andersson, Kortrijk, Belgium

08:00-08:06	Screening men for asymptomatic carotid stenosis at the age of 65–70 Martin Björck, Uppsala, Sweden
08:06-08:12	Specialised imaging to identify high-risk plaque Clark Zeebregts, Groningen, Netherlands
08:12-08:18	Improvements in optimal medical care Martin Brown, London, United Kingdom
08:18-08:24	Algorithm of care or “stroke workflow” in acute stroke interventions Tudor Jovin, Pittsburgh, United States
08:24-08:32	Audience participation and discussion
08:32-08:38	Pragmatic role of imaging for acute stroke with a focus on patient selection for endovascular therapy Arnd Doerfler, Erlangen, Germany
08:38-08:44	Implications of the VAST randomised trial for managing symptomatic vertebrobasilar stenosis Jaap Kappelle, Utrecht, Netherlands
08:44-08:50	Microemboli and the cause of dementia Charles McCollum, Manchester, United Kingdom
08:50-08:57	Audience participation and discussion

Carotid stenting and endarterectomy

Chairman: Roger Greenhalgh, Imperial College, London, United Kingdom

Moderator: Jos van den Berg, Lugano, Switzerland

08:57-09:03	Impact of risk scoring on decision-making in referral of symptomatic carotid stenosis for urgent revascularisation Martin Brown, London, United Kingdom
09:03-09:09	Impact of MicroNet technology on carotid revascularisation Piotr Musialek, Krakow, Poland

09:09-09:15	A modern stroke service must have timely access to carotid stenting if it is to offer optimal outcomes Trevor Cleveland, Sheffield, United Kingdom
09:15-09:21	Dual antiplatelet therapy reduces recurrent events prior to urgent carotid surgery without increasing the risk of perioperative bleeding complications Ross Naylor, Leicester, United Kingdom
09:21-09:29	Audience participation and discussion
09:29-09:35	Emergency stenting of the internal carotid artery with anterior circulation thrombectomy Daniel Behme, Göttingen, Germany
09:35-09:41	Urgent carotid endarterectomy does not increase risk and will prevent more strokes Ian Loftus, London, United Kingdom
09:41-09:47	Emergency carotid endarterectomy for progressing stroke Hans-Henning Eckstein, Munich, Germany
09:47-09:53	Carotid bypass using hybrid as a rescue technique for on-table failed carotid endarterectomy Domenico Valenti, London, United Kingdom
09:53-10:00	Audience participation and discussion COFFEE

Intracranial clot retrieval

Chairman: Martin Brown, London, United Kingdom

Moderator: Ross Naylor, Leicester, United Kingdom

10:30-10:40	Thrombectomy should be implemented in clinical practice – AHA/ASA guidelines Alexander Khalessi, San Diego, United States
10:40-10:50	Intra-arterial therapy in the early management of acute ischaemic stroke Jaap Kappelle, Utrecht, Netherlands
10:50-11:00	Selecting patients for acute endovascular cerebral clot extraction Laurent Spelle, Paris, France
11:00-11:10	Clot properties and technique may impact technical result and patient outcome Tommy Andersson, Kortrijk, Belgium
11:10-11:20	Multicentre experience with aspirational technique for acute stroke thrombectomy with ACE64 reperfusion catheter Annika Kowoll, Bochum, Germany
11:20-11:30	Stent retrieval (Solitaire) vs. tissue plasminogen activator (tPA) – cost-effectiveness Kyriakos Lobotesis, Imperial College, London, United Kingdom

11:30-11:32	Comment Tudor Jovin, Pittsburgh, United States
11:32-11:40	Audience participation and discussion
11:40-11:58	Debate: Only neuroradiologists should undertake intra-arterial thrombectomy For the motion: Andrew Clifton, London, United Kingdom Against the motion: Jos van den Berg, Lugano, Switzerland
11:58-12:06	Discussion and vote
12:06-12:22	Audience participation and discussion

Cerebral embolisation reduction and arch protection devices

Chairman: Martin Brown, London, United Kingdom

Moderator: Ross Naylor, Leicester, United Kingdom

12:22-12:29	Modified transoesophageal echocardiography imaging to assess thoracic aortic embolisation risk Arno Nierich, Zwolle, Netherlands
12:29-12:36	Changes to endovascular left subclavian artery implantation technique to reduce cerebral embolisation Frank Arko, Charlotte, United States
12:36-12:43	Avoidance of cerebral embolisation by aortic arch deflection of flow (TriGuard) Alexandra Lansky, New Haven, United States
12:43-12:50	The use of Sentinel cerebral protection filter system to prevent arch cerebral embolisation Richard Gibbs, Imperial College, London, United Kingdom

Additional Acute Stroke activities

Acute Stroke Challenges Abstract Presentations
Thursday 28 April

12:50-13:00	Audience participation and discussion
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CX Parallel Sessions

The Charing Cross Symposium offers delegates Parallel Sessions aimed at providing education in various domains of vascular and endovascular management and practical workshops to enhance skills for daily practice.

NEW CX Vascular Access Course	Page 10
CX Aortic Edited Cases ●	Page 11
CX Peripheral Live and Edited Cases ●	Page 11
CX Venous Workshop ●	Page 12
CX ilegx Collaboration Day ●	Page 13
CX Innovation Showcase ●●	Page 14

CX Imaging Day ●●●●	Page 14
CX Abstract Presentations and Posters ●●●●	Page 15
CX Meets Latin America ●●	Page 15
CX Paediatric Vascular Issues	Page 16
CX Vascular Malformations	Page 16



NEW CX Vascular Access Course

Wednesday 27 April and Thursday 28 April – Pillar Hall Learning Centre and Exhibition Hall

Course directors: Domenico Valenti and Nicholas Inston

At CX 2016, a NEW CX Vascular Access Course will be launched. The course will run for three days starting on Wednesday 27 April with a masterclass on vascular access ischaemic steal syndrome, followed by a session covering strategies for delivering and improving vascular access and presentations of various new technologies. Delegates may also bring their problematic patient cases for discussion. On Thursday 28 April, participants will have the opportunity to receive one-to-one practical tuition by leading vascular access experts on 21 skills stations. On Friday 29 April, senior and trainee clinicians will be presenting their research at a dedicated Abstract Presentations session on Vascular Access.

CX Vascular Access Course – 27 April – Pillar Hall Learning Centre

State of the art masterclass: Vascular access induced ischaemic steal syndrome

Chairman: Domenico Valenti, London, United Kingdom

Moderator: Nicholas Inston, Birmingham, United Kingdom

09:00-09:05	Introduction	Domenico Valenti, London, United Kingdom Nicholas Inston, Birmingham, United Kingdom
09:05-09:15	Mechanism and pathophysiology of ischaemia in vascular access	Harry Schanzer, New York, United States
09:15-09:25	Preoperative prediction and avoiding ischaemic steal syndrome	Matthias Widmer, Bern, Switzerland
09:25-09:35	Non-invasive evaluation of vascular access ischaemia	Colin Deane, London, United Kingdom
09:35-09:45	The role of conventional angiography in diagnosing vascular access ischaemia	Jason Wilkins, London, United Kingdom
09:45-10:00	Discussion	
	COFFEE	
	Chairman: Nicholas Inston, Birmingham, United Kingdom	
	Moderator: Domenico Valenti, London, United Kingdom	
10:30-10:40	Indication and surgical / endovascular strategies for the treatment of ischaemic steal syndrome	Ingemar Davidson, Dallas, United States
10:40-10:50	Minimally invasive surgical arteriovenous fistula banding technique	Paul Gibbs, Portsmouth, United Kingdom
10:50-11:00	Distal revascularisation-interval ligation (DRIL) techniques	Harry Schanzer, New York, United States
11:00-11:10	Proximalisation of the arterial inflow (PAI) and revision using distal inflow (RUDI) techniques	Jürgen Zanow, Jena, Germany
11:10-11:20	Plication, tapering and radial artery transposition techniques	Pierre Bourquelot, Paris, France
11:20-11:30	Discussion	

Strategies for delivering and improving vascular access

Chairman: Domenico Valenti, London, United Kingdom

Moderator: Nicholas Inston, Birmingham, United Kingdom

11:30-11:40	Early cannulation grafts beat a temporary central venous line	David Kingsmore, Glasgow, United Kingdom
11:40-11:50	Different options and outcomes to repair access in dialysis patients	Gaspar Mestres, Barcelona, Spain
11:50-12:00	Endovascular treatment of thrombosed peripheral vascular access	Daniele Savio, Turin, Italy
12:00-12:10	Effectiveness of stent-grafts for the treatment of central venous disease in haemodialysis patients with functioning arteriovenous fistulae	Peter Riley, Birmingham, United Kingdom

12:10-12:20 **Endovascular arteriovenous fistula formation**

Dheeraj Rajan, Toronto, Canada

12:20-12:30 **Discussion**

LUNCH

New technologies in vascular access

Chairman: Nicholas Inston, Birmingham, United Kingdom

Moderator: Domenico Valenti, London, United Kingdom

13:30-13:38	Drug-eluting balloon angioplasty	Kate Steiner, Stevenage, United Kingdom
13:38-13:46	Drug-coated balloon use in the treatment of dysfunctional arteriovenous fistulae	Geert Maleux, Leuven, Belgium
13:46-13:54	Endovascular thrombectomy	Dean Huang, London, United Kingdom
13:54-14:02	Six-month results of scoring balloon for vascular access	Andrew Holden, Auckland, New Zealand
14:02-14:12	Discussion	
14:12-14:20	Experience with hybrid graft for arteriovenous access creation	Andrea Agostinucci, Turin, Italy
14:20-14:28	Early experiences with Rapidax II	Karim El Sakka, Brighton, United Kingdom
14:28-14:36	Three-year experience with early cannulation tri-layer graft	Matteo Tozzi, Varese, Italy
14:36-14:44	HeRo device	James Gilbert, Oxford, United Kingdom
14:44-14:54	Discussion	
14:54-15:02	Heparin-bonded ePTFE vascular grafts for haemodialysis provide high patency rates over ePTFE grafts	Richard Kellersmann, Würzburg, Germany
15:02-15:10	Omniflow graft	Nicholas Inston, Birmingham, United Kingdom
15:10-15:18	VasQ – external support device for arteriovenous fistula – clinical results	Eric Chemla, London, United Kingdom
15:18-15:30	Discussion	
	TEA	

Interactive multidisciplinary team cases

Chairman: Domenico Valenti, London, United Kingdom

Moderator: Nicholas Inston, Birmingham, United Kingdom

16:00-17:00 **Audience discussion of interesting multidisciplinary cases**



CX Vascular Access Skills Course – 28 April – Exhibition Hall (10:00–15:00)

Skills Stations:

Clinical assessment	Matthias Widmer, Bern, Switzerland
Duplex scan assessment before arteriovenous creation	Kate Sommerville, London, United Kingdom
Radiocephalic AVF and snuffbox AVF fistula surgical technique – video	Karim El Sakka, Brighton, United Kingdom
Brachiocephalic AVF and transposition surgical technique – video	Francis Calder, London, United Kingdom
Brachial axillary and brachiocephalic forearm loop graft surgical technique – video	Andrea Agostinucci, Turin, Italy
Brachiosubclavian arteriovenous fistula with hybrid graft – video	Hiren Mistry, London, United Kingdom
Superficial femoral vein-Superficial femoral artery arteriovenous fistula with Acuseal graft – video	David Kingsmore, Glasgow, United Kingdom
Arterial – arterial (axillary-axillary) loop graft	Raghvinder Gambhir, London, United Kingdom
Duplex surveillance of arteriovenous fistula, normal arteriovenous fistula and stenosis	Nicola Milburn, London, United Kingdom
Duplex surveillance of arteriovenous fistula aneurysm and arteriovenous fistula graft	Annette Quinn, London, United Kingdom
Duplex surveillance of steal syndrome	Ben Freedman, London, United Kingdom
HeRO device	James Gilbert, Oxford, United Kingdom
Percutaneous arteriovenous fistula creation	Dheeraj Rajan, Toronto, Canada
Distal revascularisation-interval ligation (DRIL) technique	Harry Schanzer, New York, United States
Proximalisation of the arterial inflow (PAI) technique	Jürgen Zanow, Jena, Germany
Banding technique	Paul Gibbs, Portsmouth, United Kingdom
Fistuloplasty	Mo Hamady, London, United Kingdom
Radiological thrombectomy	Jason Wilkins, London, United Kingdom
AVF and superior vena cava drug-eluting percutaneous transluminal angioplasty and stenting	Kate Steiner, Stevenage, United Kingdom
Ultrasound-guided angioplasty	Dean Huang, London, United Kingdom
How to needle arteriovenous fistula graft	Fatima Defigueiredo, London, United Kingdom Kristine Paule, London, United Kingdom

CX Vascular Access Abstract Presentations 29 April – Pillar Hall Learning Centre

Please visit www.cxsymposium.com/va-abstracts for the full list of Vascular Access abstract presentations and presenters.

CX Aortic Edited Cases ●

Thursday 28 April – Lower Main Auditorium

The CX Aortic Edited Cases will be used to explore the application of different techniques in complex thoracic aortic and abdominal aortic procedures to achieve the best outcome for patients. The format includes short patient presentations, imaging and indications for the procedure, and allows the audience to ask questions at every stage.

Thoracic aortic

Chairmen: Roger Greenhalgh, *Imperial College, London, United Kingdom*
Andrew Holden, *Auckland, New Zealand*

08:30-09:00	TAG Thoracic Branch Endoprosthesis for the arch	Michael Dake, <i>Stanford, United States</i>
09:00-09:30	Thoracic proximal scallop stent graft: expanding proximal neck in patients with challenging thoracic anatomy	Jos van den Berg, <i>Lugano, Switzerland</i>
09:30-10:00	Zenith Alpha Thoracic: treating a thoracic aneurysm with a modular system	Fabio Verzini, <i>Perugia, Italy</i>
COFFEE		

Abdominal aortic

Chairmen: Frans Moll, *Utrecht, Netherlands*
Andrew Holden, *Auckland, New Zealand*

10:30-11:00	Accuracy of placement and reduced contrast when deploying INCRAFT	Domenico Baccellieri, <i>Milan, Italy</i>
11:00-11:30	Zenith Alpha Abdominal: an easy way to deploy endografts to treat a wider range of patients	Mauro Gargiulo, <i>Bologna, Italy</i>

11:30-12:00	EVO Endurant next generation low-profile device	Hence Verhagen, <i>Rotterdam, Netherlands</i>
12:00-12:30	Preoperative intent of use of EndoAnchor for neck length <10mm	William Jordan, <i>Atlanta, United States</i>
LUNCH		
Chairmen: Matt Thompson, <i>London, United Kingdom</i> Frank Veith, <i>New York, United States</i>		
13:30-14:00	Special techniques of EVAS/Nellix	Andrew Holden, <i>Auckland, New Zealand</i>
14:00-14:30	EXCLUDER iliac branch endoprosthesis	Michel Makaroun, <i>Pittsburgh, United States</i>
14:30-15:00	Infection control with open repair	Xavier Berard, <i>Bordeaux, France</i>
15:00-15:30	Onyx liquid embolic system embolisation for type II endoleaks	Arne Schwindt, <i>Münster, Germany</i>
15:30-16:00	Fenestrated EVAR for a juxtarenal aortic aneurysm	Andrej Schmidt, <i>Leipzig, Germany</i>



CX Peripheral Live and Edited Cases ●

Wednesday 27 April – Lower Main Auditorium

Six CX Peripheral Live Cases will be transmitted from St Franziskus Hospital in Münster, Germany, and five edited live cases will be presented. Giovanni Torsello, Thomas Zeller, Iris Baumgartner and Michael Jaff will guide the audience through the cases to improve the understanding of why a technique is chosen for a particular clinical situation. They will also encourage delegate participation.

CX Peripheral Live and Edited Cases

Chairman: Michael Jaff, *Boston, United States*
Moderators: Giovanni Torsello, *Münster, Germany*
Thomas Zeller, *Bad Krozingen, Germany*

10:30-11:00	Drug-coated balloons for long lesions	Antonio Micari, <i>Palermo, Italy</i>
11:00-11:30	AngioSculpt followed by drug-coated balloon	Theodosios Bisdas, <i>Münster, Germany</i> Arne Schwindt, <i>Münster, Germany</i>
11:30-12:00	Atherectomy and drug-coated balloon in restenosis of bare metal stent	Fabrizio Fanelli, <i>Rome, Italy</i>
12:00-12:30	Rotarex use for arterial occlusion	Theodosios Bisdas, <i>Münster, Germany</i> Arne Schwindt, <i>Münster, Germany</i>
LUNCH		
Chairperson: Iris Baumgartner, <i>Bern, Switzerland</i> Moderators: Thomas Zeller, <i>Bad Krozingen, Germany</i> Giovanni Torsello, <i>Münster, Germany</i>		
13:30-14:00	The deployment of the Zilver PTX drug-eluting stent	Theodosios Bisdas, <i>Münster, Germany</i> Arne Schwindt, <i>Münster, Germany</i>

14:00-14:30	The value of the Tigris dual component stent	Bertrand Saint-Lebes, <i>Toulouse, France</i>
14:30-15:15	SUPERA – stent for calcified artery without pre-treatment	Theodosios Bisdas, <i>Münster, Germany</i> Arne Schwindt, <i>Münster, Germany</i>
15:15-15:45	The value of the SMART Flex stent	Peter Goverde, <i>Antwerp, Belgium</i>
Chairman: Michael Jaff, <i>Boston, United States</i> Moderators: Thomas Zeller, <i>Bad Krozingen, Germany</i> Giovanni Torsello, <i>Münster, Germany</i>		
15:45-16:15	The deployment of the Eluvia drug-eluting stent	Theodosios Bisdas, <i>Münster, Germany</i> Arne Schwindt, <i>Münster, Germany</i>
16:15-16:45	Viabahn stent graft for popliteal aneurysm	Michele Antonello, <i>Padua, Italy</i>
16:45-17:30	Atherectomy and drug-coated balloon	Arne Schwindt, <i>Münster, Germany</i> Theodosios Bisdas, <i>Münster, Germany</i>



CX Venous Workshop •

Wednesday 27 April and Thursday 28 April – Gallery

Course directors: Ian Franklin, Alun Davies, Mark Whiteley, Stephen Black and Andrew Bradbury

The CX Venous Workshop is part of the CX Venous Programme and expands on the technical aspects of key topics from the CX Venous Main Plenary session.

A Venous Abstract Presentations session will also feature key research in this field.

In 2015, the CX Venous Workshop enjoyed a great success with record attendance of over 950 delegates during two days.

In 2016, it will continue offering one-to-one demonstrations by world-leading experts on various superficial and deep venous interventions. One of the main features of this workshop is the open access for delegates to attend various training stations at any time during days two and three of the CX Symposium. The first day will focus on superficial venous and the emphasis of the second day will be on deep venous techniques.

The workshop is the longest running and one of the largest of its kind in the world and covers a wide range of aspects, techniques and procedures including:

CX Venous Workshop – Day 1

Stations

Thermal ablation (radiofrequency)

Thermal ablation (laser)

Steam

Non-thermal ablation

Practical training stations

Surgical skills

Tributary treatment

Labial and pudendal veins

Venous embryology and anatomy

The adductor canal syndrome

Aesthetic phlebology

Lymphoedema

Compression bandaging techniques

Intermittent pneumatic compression

Neuromuscular electrical stimulation

Foam sclerotherapy

Treatment of perforator veins

Practice development

Vascular ultrasound training simulator

Diagnostic venous ultrasound

Medico-legal pitfalls in venous practice

CX Venous Workshop – Day 2

Stations

Diagnostic venous ultrasound

Vascular ultrasound training simulator

IVUS

Deep vein thrombosis (DVT)

Acute DVT interventions

Venous thrombectomy

Caval filters

Deep vein stenting

Comparison of CT, PR and IVUS for planning deep vein interventions

Valve technologies

Surgical valve/vein reconstruction

Pelvic vein reflux

Venous entrapment syndromes

Air plethysmography

Haemodynamic assessment of lower limb outflow

Paget Schroetter syndrome

Demonstrators

Frank Arko, Charlotte, United States

Simon Ashley, Plymouth, United Kingdom

Joe Assenheim, Imperial College, London, United Kingdom

Gareth Bate, Solihull, United Kingdom

Kursat Bozkurt, Istanbul, Turkey

Karen Breen, London, United Kingdom

Nick Burfitt, London, United Kingdom

Dan Carradice, Hull, United Kingdom

Eddie Chaloner, London, United Kingdom

Sylvain Chastanet, Nice, France

Ian Chetter, Hull, United Kingdom

Shakila Chowdhury, London, United Kingdom

Joannis Constantinides, London, United Kingdom

Lizzie Curry, Stoke-on-Trent, United Kingdom

Katy Darvall, Taunton, United Kingdom

Saroj Das, Imperial College, London, United Kingdom

Alun Davies, Imperial College, London, United Kingdom

Huw Davies, Birmingham, United Kingdom

Rick de Graaf, Maastricht, Netherlands

Brahman Dharmarajah, Imperial College, London, United Kingdom

Mary Ellis, Imperial College, London, United Kingdom

Claude Franceschi, Paris, France

Gregory Fulton, Wilton, Ireland

Margaret Gardner, Ashted, United Kingdom

Panos Gkoutzios, London, United Kingdom

Manj Gohel, Cambridge, United Kingdom

David Greenstein, London, United Kingdom

Aina Greig, London, United Kingdom

Julian Hague, London, United Kingdom

Thomas Heller, Rostock, Germany

Judith Holdstock, Godalming, United Kingdom

Peter Holt, London, United Kingdom

Rajesh Hydrabadi, Ahmedabad, India

Usman Jaffer, London, United Kingdom

Narayan Karunanithy, London, United Kingdom

Cuneyt Koksoy, Ankara, Turkey

Raghu Kolluri, Columbus, United States

Constantinos Kyriakides, London, United Kingdom

Tristan Lane, London, United Kingdom

Christopher Lattimer, Imperial College, London, United Kingdom

Michael Lichtenberg, Arnsberg, Germany

Patrick Lintott, High Wycombe, United Kingdom

David Lockie, Brighton, United Kingdom

Anthony Lopez, London, United Kingdom

Oliver Lyons, London, United Kingdom

Anil Madhavan, Gillingham, United Kingdom

Kieran McBride, Kirkcaldy, United Kingdom

Vickie McDonald, London, United Kingdom

Andrew McIrvine, London, United Kingdom

David McLain, Llantarnam, United Kingdom

Matthew Metcalfe, Stevenage, United Kingdom

Kasuo Miyake, São Paulo, Brazil

Hayley Moore, Imperial College, London, United Kingdom



Sriram Narayanan, Singapore

Vikas Pandey, Imperial College, London, United Kingdom

Paul Pittaluga, Nice, France

Barrie Price, Guildford, United Kingdom

Nadeem Qazi, Imperial College, London, United Kingdom

Samina Qureshi, Imperial College, London, United Kingdom

Hema Rao, Imperial College, London, United Kingdom

Sophie Renton, Harrow, United Kingdom

Alex Rodway, Redhill, United Kingdom

Prakash Saha, London, United Kingdom

Carl Henrik Schelp, Bergen, Norway

John Scurr, London, United Kingdom

Eva Sevic, Houston, United States

Joseph Shalhoub, Imperial College, London, United Kingdom

Amanda Shepherd, Imperial College, London, United Kingdom

Ravi Singh Ranger, Cirencester, United Kingdom

Mustafa Sirlak, Ankara, Turkey

Gerry Stansby, Newcastle-upon-Tyne, United Kingdom

Attila Szabo, Budapest, Hungary

Robert Thomas, London, United Kingdom

John Thompson, Exeter, United Kingdom

Stephen Tristram, Basingstoke, United Kingdom

Jean-Francois Uhl, Paris, France

Thomas Weiler, Pforzheim, Germany

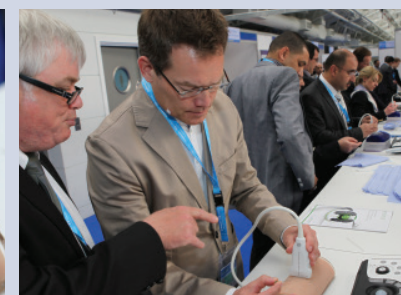
Andrew Wigham, Oxford, United Kingdom

Angela Williams, Imperial College, London, United Kingdom

Katherine Williams, Imperial College, London, United Kingdom

Dennis Wolf, London, United Kingdom

Kenneth Woodburn, Truro, United Kingdom



Technologies will include:

VascuLife (Alma Lasers)

CLEANER (Argon Medical)

Venovo stent (Bard)

Angiojet ZelanteDVT (Boston Scientific)

Ekosonic (BTG)

Varithena (BTG)

Zilver Vena stent (Cook Medical)

EVRF (F-Care Systems)

Norseld laser (Frontière Médicale)

Mantis (Invamed)

Venablock (Invamed)

VenaSeal system (Medtronic)

Venefit (Medtronic)

NeoLaser (NeoLaser)

RFITT (Olympus)

sinus-Venous stent (Optimed)

Indigo System (Penumbra)

VeinClear (RF Medical)

AspirexS (Straub Medical)

CapturexS (Straub Medical)

RotarexS (Straub Medical)

Clarivein (Vascular Insights)

VICI venous stent (Veniti)

IVUS (Volcano)

ClearLumen (Walk Vascular)

LINC@CX •

Wednesday 27 April – Lower Main Auditorium

Course director: Dierk Scheinert

The LINC@CX session will show the special approach of the LINC Symposium with peripheral live cases focussing on below-the-knee interventions transmitted from Leipzig, Germany.

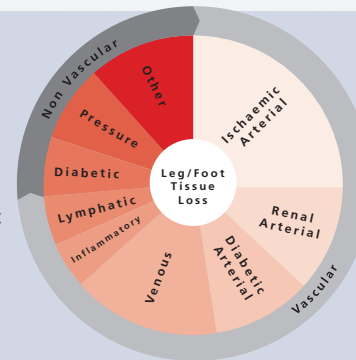
CXileg Collaboration Day •

Thursday 28 April – Pillar Hall Learning Centre

ilegx promotes the best possible care of the ischaemic lower limb to reduce the number of major amputations which still take place, particularly in patients with diabetes.

In 2016, the CX ilegx Collaboration Day will address the reasons why these amputations still occur and will discuss recent advances in care to prevent them, including direct revascularisation of the foot and the leg.

It will also discuss developments in ulcer and wound healing and the surgical management of Charcot arthropathy, which appears increasingly as an added problem of the ischaemic foot.



Diabetic Vascular Disease Symposium

Chairman: Michael Edmonds, London, United Kingdom

08:00-08:08	What is optimum method of vessel imaging in people with diabetes Jim Reekers, Amsterdam, Netherlands
08:08-08:16	When to revascularise – are there any specific tests Robert Hinchliffe, London, United Kingdom
08:16-08:24	Exercise and exercise devices in the diabetic population Nicola Troisi, Florence, Italy
08:24-08:36	Panel discussion
08:36-08:44	Adjunctive techniques for wound healing Andrew Boulton, Manchester, United Kingdom
08:44-08:52	How to measure wound healing William Jeffcoate, Nottingham, United Kingdom
08:52-09:00	The use of autologous cell suspension in wound healing Harvey Chant, Truro, United Kingdom
09:00-09:12	Panel discussion

The King's College Hospital open access vascular diabetic foot care pathway

Chairman: Cliff Shearman, Southampton, United Kingdom

09:12-09:20	Why do amputations still occur in 2016? The importance of a co-ordinated pathway in preventing unnecessary amputations Michael Edmonds, London, United Kingdom
09:20-09:28	To amputate or not to amputate: that is the question Hisham Rashid, London, United Kingdom
09:28-09:36	The interventional radiologist's role in saving the lower limb: the importance of direct revascularisation of the ischaemic foot Dean Huang, London, United Kingdom
09:36-09:44	Preventing amputation of the Charcot foot: modern surgical management of the Charcot joint in the ischaemic foot Venu Kavarthapu, London, United Kingdom
09:44-10:00	Panel discussion COFFEE

Revascularisation of the ischaemic foot

Chairman: Thomas Zeller, Bad Krozingen, Germany

10:30-10:38	Impact of cardiovascular risk factors on severity of peripheral artery disease Thomas Wyss, Bern, Switzerland
10:38-10:46	The Bluedop device David King, London, United Kingdom
10:46-10:54	Pulsating negative pressure to increase peripheral blood flow – case reports Jonny Hisdal, Oslo, Norway
10:54-11:02	Dual platelet therapy Gerry Stansby, Newcastle-upon-Tyne, United Kingdom
11:02-11:12	Panel discussion

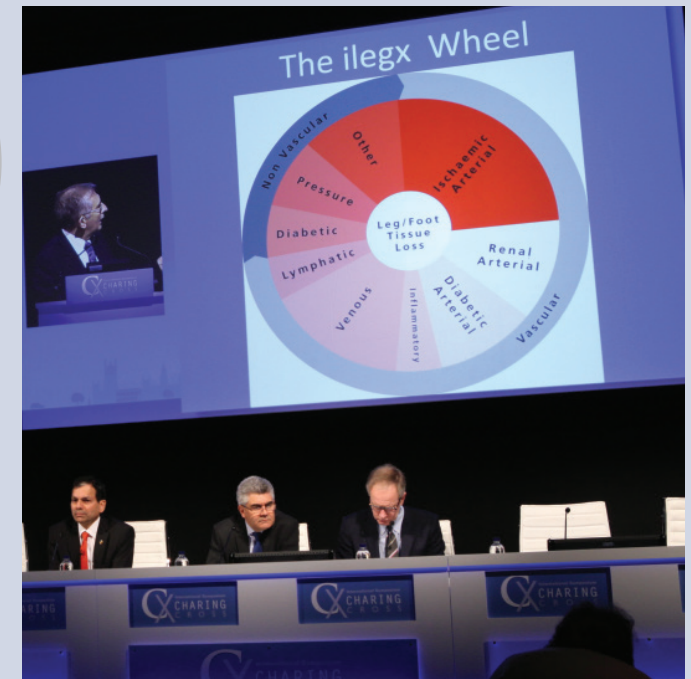
11:12-11:20	Randomising data for ischaemic limbs within the Swedish Vascular Registry (SWEDEPAD) Marten Falkenberg, Gothenburg, Sweden
11:20-11:28	Computational and other models to evaluate collaterals Rombout Kruse, Zwolle, Netherlands
11:28-11:36	Panel discussion
11:36-11:44	BASIL 2 and 3 update Andrew Bradbury, Birmingham, United Kingdom
11:44-11:52	BEST-CLI trial update Alik Farber, Boston, United States
11:52-12:02	Panel discussion
12:02-12:18	Debate: Open surgery is the treatment of choice for common and deep femoral artery disease For the motion: Cliff Shearman, Southampton, United Kingdom Against the motion: Peter Schneider, Honolulu, United States
12:18-12:30	Panel discussion LUNCH

To stent or not to stent – that is the question

Not to stent

Chairperson: Iris Baumgartner, Bern, Switzerland

13:30-13:38	Why to avoid stents in femoropopliteal interventions William Gray, Wynnewood, United States
13:38-13:46	The current place of drug-coated balloons compared with other modalities Erwin Blessing, Heidelberg, Germany
13:46-13:54	Drug-coated balloons are not all equivalent Thomas Zeller, Bad Krozingen, Germany
13:54-14:04	Panel discussion
14:04-14:12	The benefits of mechanical debulking and thrombectomy in acute to chronic arterial occlusions Miroslav Bulvas, Prague, Czech Republic
14:12-14:20	Drug-coated balloons as treatment of choice for TASC II C & D femoropopliteal lesions Antonio Micari, Palermo, Italy
14:20-14:28	Artery wall response and clinical effect of different modes of delivery of drug from drug-coated balloons Renu Virmani, Gaithersburg, United States
14:28-14:38	Panel discussion
14:38-14:46	Lithotripsy for calcified lesions Andrew Holden, Auckland, New Zealand
14:46-14:54	IN.PACT Global clinical messages Peter Schneider, Honolulu, United States
14:54-15:02	Algorithm of care Fabrizio Fanelli, Rome, Italy
15:02-15:10	The 3–5 year follow-up of drug-coated balloons will be a watershed Michael Jaff, Boston, United States
15:10-15:30	Panel discussion TEA



To stent

Chairman: Roger Greenhalgh, Imperial College, London, United Kingdom

Moderator: Michael Jaff, Boston, United States

16:00-16:08	Evidence for stent graft for iliac recanalisation Michele Antonello, Padua, Italy
16:08-16:16	Sub-intimal stent consequences – biphasic wave form outcome Luis Mariano Palena, Abano Terme, Italy
16:16-16:24	Stents for superficial femoral artery lesions >25cms or drug-coated balloons Donald Jacobs, St Louis, United States
16:24-16:32	The rationale for stent grafts for TASC II C & D femoropopliteal lesions Martin Funovics, Vienna, Austria
16:32-16:40	Stent options for long lesions Peter Goverde, Antwerp, Belgium
16:40-16:48	Panel discussion
16:48-16:56	Swirling flow is mandatory and cheaper than drug-eluting stent Peter Gaines, Sheffield, United Kingdom
16:56-17:04	The expected benefit of drug elution to the same new nitinol scaffold stent Yann Goueffic, Nantes, France
17:04-17:12	Stents for superficial femoral artery lesions extending to the popliteal Eric Ducasse, Bordeaux, France
17:12-17:20	Panel discussion
17:20-17:28	In-stent restenosis types and considerations Gary Ansel, Columbus, United States
17:28-17:36	Treatment options for in-stent restenosis Marianne Brodmann, Graz, Austria
17:36-17:44	Below the knee
17:44-18:00	Bioreabsorbable stents for below-the-knee use Ramon Varcoc, Sydney, Australia
	Panel discussion

CX Innovation Showcase ●●

Wednesday 27 April – Olympia Room Learning Centre

The CX Innovation Showcase is dedicated to highlighting what it takes for a physician-inventor to succeed and for innovative ideas in the vascular and endovascular fields to thrive. It brings together leading industry experts, physician-inventors, engineers, medtech investors and start-up companies focused on improving vascular disease management.

Chairmen: Stephen Greenhalgh, *London, United Kingdom*
Andrew Holden, *Auckland, New Zealand*

Thoracic aortic

08:00-08:10	Surgeon modified and simplified TAAA device with early experience Patrick Kelly, <i>Sioux Falls, United States</i>
08:10-08:20	New software for the measurement of the inside of the curve aortic disease Jean-Paul de Vries, <i>Nieuwegein, Netherlands</i>
08:20-08:30	Off-label use of Amplatzer vascular plug II to seal small chronic dissection entries in the arch Marten Falkenberg, <i>Gothenburg, Sweden</i>
08:30-08:40	Thoracoabdominal branch endoprosthesis Pierre Galvagni Silveira, <i>Florianópolis, Brazil</i>
08:40-08:50	Discussion

Abdominal aortic

08:50-09:00	Pre-cannulated FEVAR using guidewire fixator Anders Wanhainen, <i>Uppsala, Sweden</i>
09:00-09:10	3D-printed aortic models for FEVAR Benjamin Stames, <i>Seattle, United States</i>
09:10-09:20	Advances in the in-vivo fenestration technology Bao Bui, <i>Sherbrooke, Canada</i>
09:20-09:30	Overall review of Zenith Alpha technology Eric Verhoeven, <i>Nuremberg, Germany</i>
09:30-09:40	Branching out: technologies from the aortic arch to the iliacs Nilo Mosquera, <i>Ourense, Spain</i>
09:40-09:50	Realtime overlay for aneurysm repair on a mobile unit: the ROAM technique Blandine Maurel, <i>London, United Kingdom</i>
09:50-10:00	Discussion COFFEE

Peripheral

10:30-10:40	Endovascular sealing of common iliac artery aneurysms – multicentre experience Jean-Paul de Vries, <i>Nieuwegein, Netherlands</i>
10:40-10:45	Case experience of iliac artery treatment with robotic hybrid approach Fabien Thaveau, <i>Strasbourg, France</i>
10:45-10:50	ePTFE balloon with a paclitaxel coating engineered for enhanced arterial retention: results with porcine peripheral arteries Rami Tzafiri, <i>Lexington, United States</i>
10:50-11:00	Angiographic and clinical 6 months results of the CONSEQUENT trial Ulf Redlich, <i>Magdeburg, Germany</i>
11:00-11:10	Chocolate drug-coated balloons Andrew Holden, <i>Auckland, New Zealand</i>
11:10-11:20	Prolonged balloon inflation of lesions >25cm – initial results Antonio Micari, <i>Palermo, Italy</i>
11:20-11:30	Discussion
11:30-11:40	Freedom trial: Everflex peripheral self-expanding stent with Entrust delivery system Yann Goueffic, <i>Nantes, France</i>
11:40-11:50	Zilver PTX stenting against bypass surgery for long SFA lesions (ZILVERPASS) Koen Deloose, <i>Dendermonde, Belgium</i>

11:50-12:00	Percutaneous fem-pop bypass: a novel endovascular solution for long segment disease Dainis Krievins, <i>Riga, Latvia</i>
12:00-12:10	The Abbott Vascular bioresorbable stent programme for below-the-knee treatment: rationale, technology and clinical programme Richard Rapoza, <i>Santa Clara, United States</i>
12:10-12:20	Below-the-knee dose reduction Celia Riga, <i>Imperial College, London, United Kingdom</i>
12:20-12:30	Discussion LUNCH
13:30-13:40	Popliteal entrapment Luca di Marzo, <i>Rome, Italy</i>
13:40-13:50	The effects of autologous cell suspension for venous leg ulcers Paul Hayes, <i>Cambridge, United Kingdom</i>
13:50-14:00	Novel techniques to overcome hostile access vessels and secure limb perfusion Thomas Larzon, <i>Örebro, Sweden</i>
14:00-14:10	everlinQ Dheeraj Rajan, <i>Toronto, Canada</i>
14:10-14:20	Discussion

Innovation challenges

14:20-14:30	The use of registry data in getting device approval Jose Pablo Morales, <i>Silver Spring, United States</i>
14:30-14:40	How can Europe become more involved in Medtech innovation? Chas Taylor, <i>Horsham, United Kingdom</i>
14:40-14:50	Raising money for early stage medical devices Alan Edwards, <i>Ruthin, United Kingdom</i>
14:50-15:00	Agile innovation Bob Mitchell, <i>Hertogenbosch, Netherlands</i>
15:00-15:30	Discussion TEA

Dragons' Den

16:00-18:00	Panel: Bob Mitchell, <i>Hertogenbosch, Netherlands</i> Daveen Chopra, <i>Santa Rosa, United States</i> Jason Field, <i>Flagstaff, United States</i> Chas Taylor, <i>Horsham, United Kingdom</i>
	Introduction to the Dragons' Den Stephen Greenhalgh, <i>London, United Kingdom</i>
	The Switch suturing device Jeroen Soederhuijsen, <i>Hoofddorp, Netherlands</i>
	Discussion
	Novel predictive scoring system and app for renal access Ali Kordzadeh, <i>Chelmsford, United Kingdom</i>
	Discussion
	The wound healing chamber Magdiel Trinidad Vazquez, <i>Guadalajara, Mexico</i>
	Discussion
	A wireless system for following up vascular surgery procedures Manuel Hernando Rydings, <i>Pontevedra, Spain</i>
	Discussion
	Biomatrix sclerofoam for endovenous and interventional therapy Johann Christof Ragg, <i>Berlin, Germany</i>
	Discussion
	Sprayable ultrasound medium improving hygiene in medical and aesthetic treatments Johann Christof Ragg, <i>Berlin, Germany</i>
	Discussion More presentations to be announced
	Vote by the Dragons
	Announcement of the winner

CX Imaging Day ●●●●

Thursday 28 April – Olympia Room Learning Centre (Morning) and Exhibition Hall (Afternoon)

In 2016, the CX Imaging Day will provide a comprehensive programme on state-of-the-art imaging in the peripheral, venous and aortic areas.

In the morning, attendees will hear the latest data on high quality imaging and be able to discuss the different applications. Senior and trainee doctors will also present their research at the CX Vascular Imaging Abstract Presentations session. During the afternoon, different imaging companies will be giving demonstrations on imaging procedures with physician experts at their stands, providing delegates with the opportunity for interaction and hands-on learning.

Peripheral arterial imaging

	Chairperson: Tara Mastracci, <i>London, United Kingdom</i> Chairman: Frank Veith, <i>New York, United States</i>
08:00-08:07	CO2 imaging with excellent image quality Ulf Teichgraber, <i>Jena, Germany</i>
08:07-08:14	Value of fusion imaging to facilitate treatment of complex aorto-iliac occlusions Klaus Overbeck, <i>Sunderland, United Kingdom</i>
08:14-08:21	Improving procedural success in complex pathologies with robotics and 3D imaging Barry Katzen, <i>Miami, United States</i>
08:21-08:30	Panel discussion

Venous imaging

08:30-08:37	Successful use of robotics in failed treatment of central venous stenosis Alan Lumsden, <i>Houston, United States</i>
08:37-08:44	Inferior vena cava filter retrieval with robotics Alan Lumsden, <i>Houston, United States</i>
08:44-08:53	Panel discussion

Aortic imaging

08:53-09:00	Choices for aortic imaging Ferdinand Serracino-Inglott, <i>Manchester, United Kingdom</i>
09:00-09:07	The use of cone beam CT for EVAR/TEVAR/iliac procedures with fusion technology minimises radiation use, operative time and number of follow-up CT scans Timothy Resch, <i>Malmö, Sweden</i>
09:07-09:14	Imaging after endovascular sealing using the Nellix sac anchoring device Leo van den Ham, <i>Amhem, Netherlands</i>
09:14-09:21	A new integrated workflow for EVAR – how it helps to get better results Stéphan Haulon, <i>Lille, France</i>
09:21-09:30	Panel discussion
09:30-09:37	How to prevent the challenging contrast induced nephrotoxicity in vascular procedures Vincent Riambau, <i>Barcelona, Spain</i>
09:37-09:44	Robotic benefits for endovascular procedures Celia Riga, <i>Imperial College, London, United Kingdom</i>
09:44-09:51	Benefits of intraoperative fusion imaging for aortic dissection management Hervé Rousseau, <i>Toulouse, France</i>
09:51-10:00	Panel discussion COFFEE

CX Vascular Imaging Abstracts Presentations

Chairmen: Stéphan Haulon, *Lille, France*

Richard McWilliams, *Liverpool, United Kingdom*

Computed tomography evaluation of Adamkiewicz artery in patients with and without aortic disease Alexandre Amato, *São Paulo, Brazil*

Discussion

Adult thoracic and abdominal aortic coarctation, combined value of MDCT and conventional angiography in endovascular management Randa Kaddah, *Giza, Egypt*

Discussion

Metabolic and inflammatory processes as predictors for abdominal aortic aneurysm growth and rupture – a systematic review of imaging markers Hamid Jalalzadeh, *Amsterdam Zuid-Oost, Netherlands*

Discussion

Evaluation of saccular aortic disease with computational fluid dynamics Arnoud Kamman, *Milan, Italy*

Discussion

Features associated with abdominal aortic aneurysm growth and rupture – a systematic review of haemodynamic imaging markers Reza Indrakusuma, *Amsterdam, Netherlands*

Discussion

Preoperative simulation of the optimal C-arm position by use of a computed tomography post-processing software reduces radiation and contrast medium exposure during EVAR procedures Erik Stahlberg, *Lubeck, Germany*

Discussion

Accurate endoleak diagnosis using temporal information obtained on contrast enhanced ultrasound imaging Iain Roy, *Liverpool, United Kingdom*

Discussion

Optimal use of the hybrid operating room: success factor training Clemens Bulitta, *Weiden, Germany*

Discussion

Spy angiography a novel technique – to prognosticate ischaemic wound healing in critical limb ischaemia Hiten Patel, *Vadodara, India*

Discussion

Assessment of bilateral hand temperatures following a vascular occlusion test using infrared thermal imaging Julien Al Shakarchi, *Birmingham, United Kingdom*

Discussion

Microcirculation evaluated by intraoperative fluorescence angiography after tibial bypass surgery Ulrich Rother, *Erlangen, Germany*

Exhibition Hall imaging activities (13:00–16:30)

In the afternoon, GE, Hansen Medical, Siemens, Philips Volcano and Ziehm will be giving demonstrations on imaging procedures with physician experts at their stands.

Updates of the activities are available on www.cxsymposium.com/cx-imaging-day



CX Abstract Presentations and Poster Sessions

CX Abstract Board

Co-chairmen: Ian Loftus and Richard Gibbs

Board: Paul Hayes, Robert Hinchliffe, Colin Bicknell, Daryl Baker, Rachel Bell, Marcus Brooks, Meryl Davies and Simon Ashley

Following the successful 2014 and 2015 CX Abstract Presentations and Poster Sessions, the Charing Cross Symposium will continue showcasing the research of upcoming leaders in the field at this year's event.

The number of submissions of abstracts and posters continues to increase year on year; for CX 2016, more than 300 were received, showing the valuable scientific contribution from academic centres of excellence from all over the world.

The CX Abstract Board and members of the CX Programme Organising Board have selected and accepted over 190 abstracts and nearly 30 posters.

Throughout the four days of the Symposium, the abstract presentations have been divided into themed sessions – abdominal aortic aneurysm, thoracic aortic, venous, peripheral arterial, acute stroke – and will take place in the CX Learning Centres.

The presentations are divided into two categories: Senior and Trainee. The best abstract presentation from each category will be awarded £1,000 and a diploma for best presentation.

In addition to abstracts, the CX Abstract Board has selected the best posters received and they will be displayed in the Exhibition Hall.

Separately, two more themes – vascular access and imaging – have also been added and presentations will take place at the CX Vascular Access Course and CX Imaging Day, respectively.

CX Abstracts schedule

Date	Abstract Session	Learning Centre	Time
Tuesday 26 April	Thoracic Aortic	London Room	Morning
	Abdominal Aortic Aneurysm	London Room	Afternoon
Wednesday 27 April	Peripheral Arterial	London Room	Morning
	Peripheral Arterial	London Room	Afternoon
Thursday 28 April	Imaging	Olympia Room	Morning
	Acute Stroke Challenges	Olympia Room	Afternoon
Friday 29 April	Aortic / Peripheral	Lower Main Auditorium	Morning
	Vascular Access	Pillar Hall	Morning
	Venous	London Room	Morning

For the full list of Abstracts to be presented please visit:

www.cxsymposium.com/abstracts

CX Meets Latin America

Tuesday 26 April – Pillar Hall Learning Centre

For the fourth year running, the Charing Cross Symposium dedicates a session showcasing vascular and endovascular practice in Latin America. The course will highlight some of the most important issues surrounding treatment of aortic and peripheral arterial disease.

Chairman: Pierre Galvagni Silveira, *Florianópolis, Brazil*

Faculty Discussants:

Matt Thompson, *London, United Kingdom*
Dittmar Böckler, *Heidelberg, Germany*
Colin Bicknell, *Imperial College, London, United Kingdom*
Vincent Rimbaut, *Barcelona, Spain*

12:15-12:35 **Lunch being served**

12:35-12:40 **Introduction by the chairman**

Thoracic Outlet syndrome

12:40-12:45 **Open and endovascular approach to thoracic outlet syndrome** Alberto Munoz, *Bogota, Colombia*
12:45-12:50 **Discussion**

Aortic

12:50-12:55 **Challenging aortic arch for TEVAR** Marco Lourenço, *Curitiba, Brazil*
12:55-13:00 **Discussion**
13:00-13:05 **Endovascular treatment in the aortic arch** Honorio Palma, *São Paulo, Brazil*
13:05-13:10 **Discussion**
13:10-13:15 **Early results of the first in-human EXCLUDER thoracoabdominal branch endoprosthesis** Pierre Galvagni Silveira, *Florianópolis, Brazil*
13:15-13:20 **Discussion**
13:20-13:25 **AFX endovascular AAA system** Patricio Zaefferer, *Buenos Aires, Argentina*
13:25-13:30 **Discussion**
13:30-13:35 **Complex cases resolution with conformable TAG thoracic endoprosthesis and EXCLUDER AAA endoprosthesis featuring C3 delivery system** Gustavo Paludetto, *Brasília, Brazil*
13:35-13:40 **Discussion**
13:40-13:45 **Nellix** Patricio Zaefferer, *Buenos Aires, Brazil*
13:45-13:50 **Discussion**

13:50-13:55 **Comparison of real life EVAR results in Latin America, USA, Europe and Australia/New Zealand the Excluder AAA device: The GREAT Study** Tulio Navarro, *Belo Horizonte, Brazil*

13:55-14:00 **Discussion**
14:00-14:05 **AFX – a difficult case scenario** Leonardo Lucas, *Rio de Janeiro, Brazil*

14:05-14:10 **Discussion**
14:10-14:15 **Using a simulator for surgical planning in the treatment of juxtarenal aneurysms** Guilherme Meirelles, *Campinas, Brazil*

14:15-14:20 **Discussion**
14:20-14:25 **Chimney technique for EVAR migration** Ignacio Escotto Sanchez, *Mexico City, Mexico*

14:25-14:30 **Discussion**

Peripheral arterial

14:30-14:35 **Indications for prostanoids (PGE1) in critical limb ischaemia** Guillermo Javier Garelli, *Córdoba, Argentina*

14:35-14:40 **Discussion**
14:40-14:45 **Endoluminal popliteal bypass evidence: tips and tricks – a review of challenging cases** Alvaro Razuk, *São Paulo, Brazil*

14:45-14:50 **Discussion**
14:50-14:55 **Long femoropopliteal occlusive disease is better treated with covered stent** Luiz Furuya, *São Paulo, Brazil*

14:55-15:00 **Discussion**

CX Paediatric Vascular Issues

Tuesday 26 April – Olympia Room Learning Centre

Course directors: George Hamilton, London, United Kingdom
Malcolm Simms, Birmingham, United Kingdom

Imaging

Imaging in children, advances and logistics
Clare McLaren, London, United Kingdom

Acute ischaemia—pre-term, neonate and child

Immediate management, anticoagulation and thrombolysis
Meryl Davis, London, United Kingdom

Surgery for acute occlusion
Malcolm Simms, Birmingham, United Kingdom

The role of microvascular surgery TBA
Interactive case presentations and discussion

Chronic ischaemia

Watch and wait for arterial occlusion: off the hook but trouble later?
Malcolm Simms, Birmingham, United Kingdom

Peripheral arterial endovascular treatment in children
Ian McCafferty, Birmingham, United Kingdom

Bypass surgery in children, vein, which vein or conduit?
Colin Forman, London, United Kingdom

Interactive case presentations and discussion

COFFEE

Arterial pathologies

Vasculitis - diagnosis, management
Meryl Davis, London, United Kingdom

Paediatric vascular trauma
Nigel Tai, London, United Kingdom

Congenital arterial and aneurysmal disease
George Hamilton, London, United Kingdom

Endovascular treatment, acute and chronic
Derek Roebuck, London, United Kingdom

Tumours with vascular involvement: overview and cases
Malcolm Simms, Birmingham, United Kingdom
Ian McCafferty, Birmingham, United Kingdom
Simon McGuirk, Birmingham, United Kingdom

Interactive case presentations and discussion

Venous pathologies and malformations

Vascular malformations: paediatric issues
George Hamilton, London, United Kingdom

Klippel-Trenaunay syndrome in children: when to treat?
George Hamilton, London, United Kingdom

Interventions for low and high flow vascular malformations
Joe Brookes, London, United Kingdom
Ian McCafferty, Birmingham, United Kingdom

Case presentation: Venous aneurysm combined with low flow vascular malformation
Simon McGuirk, Birmingham, United Kingdom

Case presentation: Thoracic outlet syndrome
Malcolm Simms, Birmingham, United Kingdom

Interactive case presentations and discussion

Call for Paediatric Vascular Case submissions

CX is looking for paediatric vascular management dilemmas to encourage audience discussion at the CX Paediatric Vascular Issues course.

Clinicians are invited to submit paediatric cases concerning acute or chronic limb ischaemia, trauma, mid-aortic syndrome, cancer resection and vascular malformations.

Format: Cases should be submitted in Powerpoint (maximum three slides or the equivalent to a three-minute presentation).

The material should be limited to the case presentation for discussion by the delegates and expert panel – no 'lectures' or literature review of the associated condition should be included.

Deadline for submission: 10 April 2016

Please send your cases to: katherine@bibamedical.com



CX Vascular Malformations

Tuesday 26 April – Olympia Room Learning Centre

Course director: Iris Baumgartner

The CX Vascular Malformations course will provide attendees with a general overview on congenital vascular malformations together with the opportunity to learn about treatment decisions with interactive case discussions.

The course will include keynote lectures covering the topics of venous, combined and arteriovenous malformations, each followed by case presentations illustrating representative clinical situations. The role of imaging and treatment options including embolo/sclerotherapy, laser therapy and surgical needs will be addressed.

Vascular Malformations – basics and interactive case discussions

Chairperson: Iris Baumgartner, Bern, Switzerland

13:30-13:45 **Diagnostic imaging principles** Andreas Saleh, Munich, Germany

13:45-13:55 **Venous malformations – classification and therapeutic implications**
Walter Wohlgemuth, Regensburg, Germany

13:55-14:05 **Venous malformations: interactive case presentation**
Walter Wohlgemuth, Regensburg, Germany
Matthias Widmer, Bern, Switzerland
Joe Brookes, London, United Kingdom

14:05-14:10 **How to handle localised intravascular coagulopathy (LIC) in venous malformations**
Iris Baumgartner, Bern, Switzerland

14:10-14:20 **Combined malformations – Klippel-Trenaunay syndrome**
Joe Brookes, London, United Kingdom

14:20-14:35 **Klippel-Trenaunay syndrome: interactive case presentation**
Andreas Saleh, Munich, Germany
Iris Baumgartner, Bern, Switzerland
Matthias Widmer, Bern, Switzerland

14:35-14:45 **Arteriovenous malformations classification** Andreas Saleh, Munich, Germany

14:45-15:00 **Arteriovenous malformations: interactive case presentation**
Iris Baumgartner, Bern, Switzerland
Joe Brookes, London, United Kingdom
Andreas Saleh, Munich, Germany

15:00-15:15 **Treatment of congenital vascular malformations (CVM) in children including case presentation**
Walter Wohlgemuth, Regensburg, Germany

15:15-15:25 **Complications in CVM treatment** Iris Baumgartner, Bern, Switzerland

15:25-15:30 **Closing remarks** Iris Baumgartner, Bern, Switzerland

Industry sponsored satellites – Pavilion Sponsors

During coffee, lunch and tea breaks food and refreshments will be served also in the Upper Main Auditorium and Lower Main Auditorium.

Tuesday 26 April – Upper Main Auditorium

Maquet Satellite Symposium

(LUNCH BREAK)

INFECTION. The challenge of antimicrobial resistance (bacteria and fungi) within vascular surgery units.

Moderator: Jean-Paul de Vries, Nieuwegein, Netherlands

13:03-13:12 **Prevention of (endo)vascular graft infections – Soaking or Coating?**
Fatima Mzali, Bordeaux, France

13:12-13:21 **New evidence of the antimicrobial efficacy of INTERGARD SYNERGY grafts**
Xavier Berard, Bordeaux, France

13:21-13:28 **Discussion**

Thursday 28 April – Upper Main Auditorium

Vascutek Satellite Symposium

(LUNCH BREAK)

Innovations and Updates

Chairman: Andrea Stella, Bologna, Italy

12:33-12:43 **FEVAR does not impair renal function more than open surgery for juxtarenal aortic aneurysms**
Jan Brunkwall, Cologne, Germany

12:43-12:46 **Discussion**

12:46-12:56 **3D Prototyping for FEVAR – technical implications and clinical relevance**
Afshin Assadian, Vienna, Austria

12:56-12:59 **Discussion**

12:59-13:09 **Video of Anaconda Implantation – infrarenal neck angulation up to 90°**
Donald Reid, Glasgow, United Kingdom

13:09-13:12 **Discussion**

13:12-13:22 **The Dutch experience – mid-term follow-up of Fenestrated Anaconda**
Clark Zeebregts, Groningen, Netherlands

13:22-13:25 **Discussion**

Maquet Satellite Symposium

(TEA BREAK)

Improving the outcome of your complex procedures in combination with the Advanta V12 covered stent.

Moderator: Jean-Paul de Vries, Nieuwegein, Netherlands

15:33-15:42 **Tips and tricks: optimize your technical and clinical success in Ch-EVAR by placement of Advanta V12**
Konstantinos Donas, Münster, Germany

15:43-15:52 **Tips and tricks: how to treat aortoiliac stenosis by the CERAB technique**
Peter Goverde, Antwerp, Belgium

15:52-15:58 **Discussion**

Please register online at www.cxsymposium.com or complete this form and return to: BIBA Medical, 526 Fulham Road, London, SW6 5NR, United Kingdom

Fax: +44 (0)20 7736 8283 Tel: +44 (0)20 7736 8788 Email: info@cxsymposium.com

Participant information (block capitals)

Title

First name

Last name

Institution or company

Address

City

Country

Post code

Direct email (please write clearly)

Telephone

Mobile

Speciality

- | | | | | |
|--|--|--|---|---|
| <input type="checkbox"/> Vascular surgeon | <input type="checkbox"/> Vascular physician | <input type="checkbox"/> Nephrologist | <input type="checkbox"/> Research/education | <input type="checkbox"/> Other (please specify) |
| <input type="checkbox"/> Interventional radiologist | <input type="checkbox"/> Vascular technologist/nurse | <input type="checkbox"/> Podiatrist | <input type="checkbox"/> Industry participant | |
| <input type="checkbox"/> Interventional cardiologist | <input type="checkbox"/> Cardiothoracic surgeon | <input type="checkbox"/> Diabetologist | <input type="checkbox"/> Other clinician (please specify) | |
| <input type="checkbox"/> Angiologist | <input type="checkbox"/> Transplant surgeon | <input type="checkbox"/> Wound care specialist | | |

Rates

CX 4-DAY RATE	CX 2-DAY RATE	CX 1-DAY RATE	VASCULAR ACCESS 2-DAY COURSE	CX ACUTE STROKE CHALLENGES
Standard rate Full registration <input type="checkbox"/> £795 <small>(Includes symposium book)</small>	Standard rate Full registration <input type="checkbox"/> £495 <small>(Includes symposium book)</small>	Standard rate Full registration <input type="checkbox"/> £275 <small>(Excludes symposium book)</small>	<input type="checkbox"/> Doctor rate £295	<input type="checkbox"/> Nurse rate £105
Junior doctor registration <input type="checkbox"/> £445 <small>(Includes symposium book)</small>	Junior doctor registration <input type="checkbox"/> £225 <small>(Excludes symposium book)</small>	Junior doctor registration <input type="checkbox"/> £125 <small>(Excludes symposium book)</small>	(Wednesday & Thursday only. Excludes entry to other CX events and symposium book)	(Wednesday & Thursday only. Excludes entry to other CX events and symposium book)
Vascular technologist/nurse <input type="checkbox"/> £195 <small>(Excludes symposium book)</small>	Vascular technologist/nurse <input type="checkbox"/> £125 <small>(Excludes symposium book)</small> Please specify days: <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday <input type="checkbox"/> Friday	Vascular technologist/nurse <input type="checkbox"/> £75 <small>(Excludes symposium book)</small> Please specify day: <input type="checkbox"/> Tuesday <input type="checkbox"/> Wednesday <input type="checkbox"/> Thursday <input type="checkbox"/> Friday	(Friday only. Excludes entry to other CX events and symposium book)	<input type="checkbox"/> Rate £75

Terms

- Rates inclusive of VAT.
- Early bird rates valid on applications received before 21st February 2016
- Credit card payments received via mail or telephone will be processed in GBP and debited at the current rate of exchange.
- **Cancellation policy:** Cancellation prior to 25th March 2016 will be subject to a 20% administration charge. We regret that refunds after this date will not be available.
- Junior doctors should provide a letter of authorisation.

Parallel Sessions: Please indicate which of these events you intend to attend

Tuesday

- ☐ CX Meets Latin America
- ☐ CX Vascular Malformations
- ☐ CX Paediatric Vascular Issues

Wednesday

- ☐ LINC@CX
- ☐ CX Peripheral Live and Edited Cases
- ☐ NEW CX Vascular Access Course – Day 1
- ☐ CX Innovation Showcase
- ☐ CX Venous Workshop – Day 1

Thursday

- ☐ CX Aortic Edited Cases
- ☐ CX ilegx Collaboration Day
- ☐ CX Imaging Day
- ☐ CX Venous Workshop – Day 2
- ☐ NEW CX Vascular Access Course – Day 2

Friday

- ☐ European Vascular Surgeons in Training Prize Session
- ☐ NEW CX Vascular Access Course – Day 3

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 Please include a copy of your bank transfer. Quote your surname as reference.
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Participant information (block capitals)

Title

First name

Last name

Institution or company

Address

City

Country

Post code

Direct email (please write clearly)

Telephone

Mobile

Hotels within walking distance

	Single	Double
Copthorne Tara	<input type="checkbox"/> £142	<input type="checkbox"/> £152
Dorsett Shepherds Bush	<input type="checkbox"/> £175	<input type="checkbox"/> £185
Hilton London Kensington	<input type="checkbox"/> £215	<input type="checkbox"/> £225
Hilton Olympia Exec Rooms	<input type="checkbox"/> £281	<input type="checkbox"/> £291
Kensington Close	<input type="checkbox"/> £165	<input type="checkbox"/> £170
K West	<input type="checkbox"/> Fully Booked	
K+K Hotel George	<input type="checkbox"/> Fully Booked	
Novotel London West	<input type="checkbox"/> Fully Booked	
GO Native Apartments	<input type="checkbox"/> £169	<input type="checkbox"/> £169
One Bed, Open Plan (sleeps up to 2)		

Hotels easily accessible via public transport

	Single	Double
Crowne Plaza Kensington	<input type="checkbox"/> £225	<input type="checkbox"/> £235
Holiday Inn Forum	<input type="checkbox"/> 145	<input type="checkbox"/> £155
Hotel Indigo Kensington	<input type="checkbox"/> £209	<input type="checkbox"/> £209
Lancaster London	<input type="checkbox"/> £240	<input type="checkbox"/> £250
Millennium Baileys	<input type="checkbox"/> Fully Booked	
Millennium Gloucester	<input type="checkbox"/> Fully Booked	
The Queen's Gate	<input type="checkbox"/> £180	<input type="checkbox"/> £190
Park International Hotel	<input type="checkbox"/> £155	<input type="checkbox"/> £165
DoubleTree by Hilton	<input type="checkbox"/> £172	<input type="checkbox"/> £185

Notes

- For hotels not within walking distance, there will be a limited shuttle bus service.
- All rates are inclusive of VAT at 20% and breakfast.
- All hotel rooms are held against your credit card and must be paid for on departure.

Booking details

Arrival date

Departure date

Number of nights

Rate per night £

Total due £ (Based on first preference)

Payment

☐ **Credit card:** Please charge my credit card according to the amount selected above
Card type: VISA / MASTERCARD / DELTA / MAESTRO (United Kingdom ONLY) / AMEX Please specify

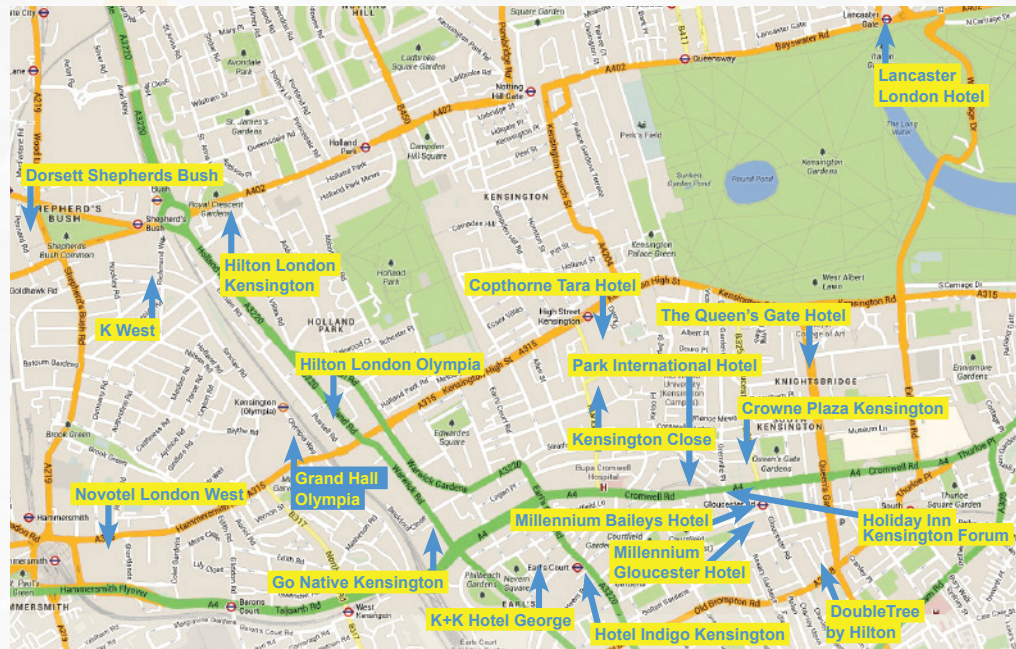
Card number

Expiry date 3 digit security code (On back of card, 4 digits for Amex) Issue no

Cardholder's name Cardholder's

Signature

Ref: CX2016-4



Useful information

When

26–29 April 2016 (Tuesday to Friday)

Where

Olympia Grand, London, United Kingdom

Olympia London, Hammersmith Road (entrance on Olympia Way), London, W14 8UX. Located in Kensington, Olympia Grand is the main hall in the Olympia complex and is famous for its Victorian architecture.

How to register

Please visit www.cxsymposium.com to register. Alternatively you can fax back the registration form on page 17 to +44 (0)20 7736 8283.

CX app

Download the CX app to plan your educational experience at the Symposium. Latest programme updates and information on additional events, pavilion and major sponsors' events, exhibitors and much more will be available.



Free download

Visit the Apple App Store, Google play or www.bibamedical.com/apps to download the CX app.

Getting there

On page 18 you can find hotels situated in the Kensington area. There will be a shuttle bus service departing from the Millenium Gloucester and Hilton London Kensington hotels. During the week, Olympia station is served by the London Overground line.

Opening times

The registration desk will open from 14.00 to 18.00 on Monday 25 April, from 07.00 on Tuesday 26 April and from 07.30 on the following days. The symposium will start at 08.00.

CME accreditation

A new application has been submitted to the European Accreditation Council for Continuing Medical Education (EACCME) in 2016.

95%
of the
CME feedback
respondents **rated** the
overall **symposium**
as **excellent** or
good.

Reasons to attend CX 2016

- Take advantage of a 4-day **EDUCATIONAL, UNIQUE** and **LOGICAL** programme with 4 days of Aortic, Peripheral and Venous challenges in parallel, and a **NEW** session on **ACUTE STROKE CHALLENGES**.
- Discover how **EDUCATION, INNOVATION** and **EVIDENCE** gather in one place. These are our core values.
- Participate in the debate of the hottest **CHALLENGES** in the field.
- Discuss with a **WORLD-CLASS FACULTY** and an **EXPERT AUDIENCE** the latest advances in the vascular and endovascular field.
- Learn more about technical approaches attending the **CX PARALLEL SESSIONS** including CX Aortic Edited Cases, CX Peripheral Live and Edited Cases, the CX Venous Workshop and the **NEW CX VASCULAR ACCESS COURSE**.
- **ENHANCE YOUR SKILLS** in various vascular and endovascular areas attending the well-established CX Parallel sessions including: CX Ilegx Collaboration Day, CX Innovation Showcase, CX Meets Latin America, CX Imaging Day, CX Vascular Malformations and CX Paediatric Vascular Issues.
- Witness upcoming leading experts with their cutting edge research presentations at the **CX ABSTRACT SESSIONS**.
- Be part of a highly rated educational programme. In 2015, **96%** of delegates **RATED** the **CX PROGRAMME** as **EXCELLENT** or **GOOD**.
- Experience the **LONGEST RUNNING** vascular and endovascular Symposium in Europe and one of the largest in the world – **CX IS A GREAT PLACE** to network and meet your peers.

Checklist for CX 2016

1. Register at www.cxsymposium.com
2. You will receive a **barcode** by e-mail two weeks before the Symposium. Don't forget to bring it for **fast-track** badge collection
3. Use **#CX2016** and **@cxsymposium** to start taking part in our **Twitter** discussion
4. Download the **CX app** to plan your educational experience at the Symposium
5. Access www.cxsymposium.com for **Programme updates**

Conference venue address

Olympia London, Hammersmith Road,
(entrance on Olympia Way),
London, W14 8UX, United Kingdom
www.olympia.co.uk

General enquiries

BIBA Medical Ltd (Charing Cross Symposium organiser),
526 Fulham Road,
London SW6 5NR, United Kingdom
Tel: +44 (0) 20 7736 8788
Fax: +44 (0) 20 7736 8283
Email: info@cxsymposium.com

Exhibitor information

Please contact: Nathalie Fortin
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