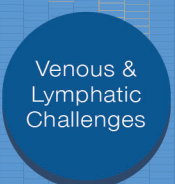
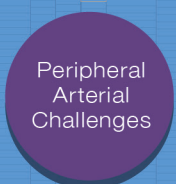




Vascular & Endovascular Challenges Update

15–18 APRIL 2019
MONDAY–THURSDAY
OLYMPIA LONDON • UNITED KINGDOM



and introducing
iWounds

Third Announcement



EDUCATION INNOVATION EVIDENCE



Faculty

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Donald Adam, Bordesley Green, UK
Una Adderley, Wakefield, UK
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Andrej Schmidt, Leipzig, Germany
Thomas Schmitz-Rixen, Frankfurt, Germany
Peter Schneider, Honolulu, USA
Arne Schwindt, Münster, Germany
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Carlo Setacci, Siena, Italy
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Gireesh Warawdekar, Mumbai, India
Saima Waseem, Bexleyheath, UK
Haimanot Wasse, Chicago, USA
Ido Weinberg, Boston, USA
Martin Werner, Vienna, Austria
Rodney White, Torrance, USA
Arno Wiersema, Amsterdam, Netherlands
Jason Wilkins, London, UK
Teun Wilmink, Birmingham, UK
Cees Wittens, Maastricht, Netherlands
Halit Yerebakan, Turkey
Kak Khue Yeung, Amsterdam, Netherlands
Thomas Zeller, Bad Krozingen, Germany

Industry Speakers

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Bob Mitchell, Irvine, USA
Sean Morris, St Louis, USA
Peter Phillips, Didcot, UK
Michael Tal, Tel Aviv, Israel
Mike Tones, St Louis, USA

CX Executive Board

Aortic



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



Stéphan Haulon
Professor of Vascular Surgery, Université Paris Sud, Hôpital Marie Lannelongue, Le Plessis Robinson, France



Tilo Kölbel
Professor of Vascular Surgery, University of Hamburg, and Vascular Surgeon at the University Heart Center Hamburg, Hamburg, Germany

Peripheral Arterial



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



Gunnar Tepe
Head of Diagnostic and Interventional Radiology, RoMed Clinic, Rosenheim, Germany



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

Venous & Lymphatic



Stephen Black
Consultant Vascular Surgeon at Guy's and St Thomas' Hospital, London, UK and Reader in Venous Surgery at Kings College London



Manj Gohel
Consultant Vascular & Endovascular Surgeon, Addenbrooke's Hospital, Cambridge, UK, and Honorary Senior Lecturer, Department of Surgery and Cancer, Imperial College London, London, UK

Acute Stroke



Hugh Markus
Professor of Stroke Medicine, Honorary Consultant Neurologist, University of Cambridge, Cambridge, UK



Barbara Rantner
Associate Professor of Surgery, Medical University Innsbruck, Deputy Director, Department of Vascular Surgery, University Hospital Innsbruck, Innsbruck, Austria

Vascular Access



Nicholas Inston
Consultant Surgeon and Clinical Lead for Renal Surgery and Transplantation at Queen Elizabeth Hospital Birmingham, Birmingham, UK



Domenico Valentini
Consultant Vascular Surgeon and Honorary Senior Lecturer at King's College London, London, UK

Vascular Malformations



Krassi Ivancev
Department of Vascular Medicine, University Hospital Hamburg-Eppendorf, Hamburg, Germany; Honorary Professor, Division of Surgery



Fiona Rohlfss
Department of Vascular Medicine, University Hospital Hamburg-Eppendorf, Hamburg, Germany & Interventional Sciences, Faculty of Medical Sciences, University College London, London, UK

iWounds



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



Keith Harding
Professor of Wound Healing Research, School of Medicine, Cardiff University, Cardiff, UK



Una Adderley
Director, National Wound Care Strategy Programme (NHS England), Academic Health Science Network and University of Leeds, Leeds, UK

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Professor of Vascular Surgery at University Medical Center Utrecht, Utrecht, Netherlands

Peripheral Arterial



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Emeritus Professor of Vascular Surgery, University of Southampton and Non-Executive Director, Royal Bournemouth and Christchurch NHS Foundation Trust



Giovanni Torsello
Professor, Chief of the Department of Vascular Surgery at Franziskus Hospital, Münster, Germany



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Aortic



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



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Anna Prent
Celia Riga

Venous & Lymphatic



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Professor of Vascular Surgery, Head of Section of Vascular Surgery, Imperial College London and Consultant Surgeon at Imperial College NHS Trust, Charing Cross Hospital and St Mary's Hospital, London, UK



Gerard O'Sullivan
Consultant Interventional Radiologist, Galway University Hospitals, Galway, Ireland



Claudine Hamel-Desnos
Vascular Physician, Hôpital Privé Saint-Martin, Caen, France, and President of the French Society of Phlebology



Peter Mortimer
Professor of Dermatological Medicine, Consultant Dermatologist, St George's, University of London, London, UK

Acute Stroke



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

Recruitment to Vascular Management



Armando Mansilha
Professor of Angiology and Vascular Surgery, Faculty of Medicine at the University of Porto, Porto, Portugal, and Secretary General, UEMS Section and Board of Vascular Surgery



Sophie Renton
Consultant Vascular Surgeon at Northwick Park Hospital, Honorary Senior Lecturer for Imperial College London, London, UK, and Honorary Secretary, The Vascular Society for Great Britain and Ireland

Dear Colleagues,

The CX Symposium continues its three-year cycle of raising vascular and endovascular **controversies** in order to **challenge** the available evidence and be able to reach a **consensus** after discussion with an expert audience. This year CX focuses on the **challenges** facing the vascular and endovascular world, and the audience will be offered three and a half days of Aortic, Peripheral, Venous, Acute Stroke, Vascular Access and, for the first time, iWounds activities.

Some of the important **challenges** presented to vascular specialists will be featured in special "CX 2019 Highlight" sessions. Our world-class Faculty will deep-dive into the paclitaxel controversy and its impact on patients. We will explore the possible consequences of the new and still unpublished UK NICE guidelines on abdominal aortic aneurysms, and present what the vascular field is doing to tackle the slow recruitment into vascular management globally.

CX 2019 will host several Podium 1st presentations throughout the week. Due to the large amount of Peripheral data being presented for the first time at CX, these will be presented in a "Peripheral Podium 1st Session".

We look forward to welcoming you to CX 2019!

Roger M Greenhalgh

Roger Greenhalgh, on behalf of the CX Executive Board



NEW for CX 2019

- New CX Executive Board and CX Advisory Board
- CX Acute Stroke Challenges opening the scientific programme on Monday afternoon
- Three-day Exhibition (from Tuesday to Thursday)
- iWounds including hands-on workshop
- Evening celebration at the V&A Museum

CX 2019 at a glance

Date & Time	MAIN PROGRAMME		ADDITIONAL ACTIVITIES	HANDS ON PRACTICAL SKILLS AREAS EXHIBITION HALL				
	UPPER MAIN AUDITORIUM	LOWER MAIN AUDITORIUM	PILLAR HALL	VENOUS CITY	PERIPHERAL VILLAGE	AORTIC VILLAGE	VASCULAR ACCESS VILLAGE	IWOUNDS VILLAGE
Monday 15 April 08:00-18:00	13:00 - 15:00		Acute Stroke Challenges					
	BREAK 15:30 - 16:00		Acute Stroke Challenges					
Tuesday 16 April 08:00-18:00	08:00 - 10:00	Peripheral Proximal Arterial Ischaemic Challenges	Venous & Lymphatic Challenges	Aortic Techniques & Technologies (edited cases)				
	BREAK 10:00 - 10:30							
	10:30 - 12:30	Peripheral Proximal Arterial Ischaemic Challenges	Venous & Lymphatic Challenges	Aortic Techniques & Technologies (edited cases)	CX Peripheral Workshop	CX Aortic Workshop		
	LUNCH 12:30 - 13:30							
	13:30 - 15:30	Peripheral Proximal Arterial Ischaemic Challenges	Venous & Lymphatic Challenges	Aortic Techniques & Technologies (edited cases)				
	BREAK 15:30 - 16:00							
	16:00 - 18:00	Peripheral Proximal Arterial Ischaemic Challenges	Venous & Lymphatic Challenges	Aortic Techniques & Technologies (edited cases)				
Wednesday 17 April 08:00-18:00	08:00 - 10:00	Abdominal Aortic Challenges		Vascular Access Masterclass				
	BREAK 10:00 - 10:30							
	10:30 - 12:30	Abdominal Aortic Challenges	Peripheral Techniques & Technologies (live & edited cases)	Vascular Access Masterclass	CX Venous Workshop	CX Peripheral Workshop	CX Aortic Workshop	
	LUNCH 12:30 - 13:30							
	13:30 - 15:30	Abdominal Aortic Challenges	Peripheral Techniques & Technologies (live & edited cases)	Vascular Access Masterclass				
	BREAK 15:30 - 16:00							
	16:00 - 18:00	Abdominal Aortic Challenges	Peripheral Techniques & Technologies (live & edited cases)	Vascular Access Masterclass				iWounds Workshop
Thursday 18 April 08:00-18:00	08:00 - 10:00	Thoracic Aortic Challenges	Peripheral Critical Ischaemia Challenges	CX Innovation Showcase				
	BREAK 10:00 - 10:30							
	10:30 - 12:30	Thoracic Aortic Challenges	Peripheral Arterial Podium 1st Session	CX Innovation Showcase	CX Venous Workshop	CX Venous Workshop	Vascular Access Workshop - Techniques & Technologies	iWounds Workshop
	LUNCH 12:30 - 13:30							
	13:30 - 15:30	Thoracic Aortic Challenges	Peripheral Critical Ischaemia Challenges	CX Innovation Showcase				
	BREAK 15:30 - 16:00							
	16:00 - 18:00	Thoracic Aortic Challenges	Peripheral Critical Ischaemia Challenges	CX Innovation Showcase				

Monday 15 April 2019

ACUTE STROKE CHALLENGES

Upper Main Auditorium

Hot carotid challenges

CX Debate: It is reasonable to offer urgent carotid endarterectomy (within the first 48 hours) in patients suffering a minor stroke

For the motion: Clement Darling III, Albany, United States

Against the motion: Sofia Stromberg, Gothenburg, Sweden

Audience participation, discussion and polling

CX Debate: The majority of patients with asymptomatic carotid disease do not benefit from carotid interventions

For the motion: Ross Naylor, Leicester, United Kingdom

Against the motion: Alun Davies, London, United Kingdom

Audience participation, discussion and polling

Influence of stenosis severity on risk of stroke distal to asymptomatic carotid stenosis

Dominic Howard, Oxford, United Kingdom

Audience participation and discussion

Local anaesthesia is associated with a lower periprocedural risk in carotid endarterectomy in symptomatic patients – data from ICSS, CREST, EVA3-S, SPACE and GALA (on behalf of the carotid stenosis trialist collaboration)

Christoph Knappich, London, United Kingdom

Audience participation and discussion

CX Debate: Carotid revascularisation (surgery or stenting) is safe to be performed early after stroke thrombolysis

For the motion: Maarit Venermo, Helsinki, Finland

Against the motion: Colin Derdeyn, Iowa City, United States

Audience participation, discussion and polling

CX Debate: Newer technologies and innovations now make carotid artery stenting as safe as carotid endarterectomy in the first 14 days after onset of transient ischaemic attack/stroke

For the motion: Peter Schneider, Honolulu, United States

Against the motion: Ross Naylor, Leicester, United Kingdom

Audience participation, discussion and polling

A short interval between the neurological index event is a risk factor for carotid artery stenting but not for carotid endarterectomy – data from a national registry on >56,000 symptomatic carotid patients in Germany

Pavlos Tsantilas, Munich, Germany

Audience participation and discussion

TEA

Hot carotid challenges (continues)

Carotid plaque volume as a measure of stroke risk, where next?

Charles McCollum, Manchester, United Kingdom

Audience participation and discussion

Carotid intraplaque haemorrhage and carotid artery risk score are associated with positive microembolic signals on transcranial Doppler monitoring

Amanda Cheng, London, United Kingdom

Audience participation and discussion

Acute stroke challenges – Intracranial thrombectomy

What thrombectomy trials really tell us and how can the findings be implemented into routine clinical practice?

TBA

Audience participation and discussion

CX Debate: Intracranial thrombectomy should be limited to neurointerventionists

For the motion: Andrew Clifton, London, United Kingdom

Against the motion: Jan Kovac, United Kingdom

Audience participation, discussion and polling

The impact of virtual reality on the quality of thrombectomy training

Thomas Liebig, Munich, Germany

Audience participation and discussion

Arterial transit artefacts on magnetic resonance imaging correlate with presence of recent symptoms and absent collateral pathways in patients with carotid stenosis

Amanda Cheng, London, United Kingdom

Audience participation and discussion

Choices of intracranial thrombectomy stent rival and technique innovation

Kyriakos Lobotesis, London, United Kingdom

Audience participation and discussion

Stroke after cardiac surgery

Hot topic talk: Stroke after cardiac surgery: More common than appreciated

Nick Hopkins, Buffalo, United States

Audience participation and discussion

Clinical impact of carotid stenosis in patients undergoing transcatheter aortic valve implantation

Sandro Lepidi, Padua, Italy

Audience participation and discussion

Tuesday 16 April 2019

PERIPHERAL PROXIMAL ARTERIAL ISCHAEMIA CHALLENGES

Upper Main Auditorium

Peripheral arterial disease issues

Treatment of claudication is aimed to increase walking distance, improve quality of life and prevent cardiovascular events by reducing risk factors
Sanne Klaphake, Rotterdam, Netherlands

GLASS and why we need a new classification
Michael Conte, San Francisco, United States

Mapping the surgical pathway for women undergoing lower limb revascularisation to show why female gender remains a significant risk factor for poor outcomes after revascularisation for peripheral arterial disease
Ruth Benson, Birmingham, United Kingdom

Imaging

Contrast-enhanced tomographic 3D ultrasound imaging of peripheral arterial disease and potential autologous bypass grafts
Steven Rogers, Manchester, United Kingdom

The use of IVUS in the superficial femoral artery – updated one-year results of a prospective randomised trial
Ian Spark, Kingswood, Australia

Assessment of the perfusion with indocyanine green fluorescence imaging (ICG-FI) before and after revascularisation tells the success of revascularisation
Maarit Venermo, Helsinki, Finland

Tips and tricks to optimise CO2 angiography (including work-up with no-contrast MR angiography)
Jos van den Berg, Lugano, Switzerland

Ambulatory treatment and follow-up

Office-based lower extremity arterial interventions are feasible, safe, cost-effective and patients love it
Enrico Ascher, Brooklyn, United States

Ambulatory treatment of arterial disease - European perspective
Koen Deloose, Dendermonde, Belgium

Appropriate follow-up of patients after endovascular procedures
Marianne Brodmann, Graz, Austria

COFFEE AND VISIT TO HANDS-ON WORKSHOPS

Coffee Symposium

Edited case

Peripheral arterial disease algorithm in practice: Treatment of a long, complex femoropopliteal lesion
Thomas Zeller, Bad Krozingen, Germany

Interventional techniques

Changes in the SFA treatment algorithm in the drug delivery era
Peter Schneider, Honolulu, United States

Vessel preparation, what is the evidence
Jos van den Berg, Lugano, Switzerland

Atherectomy – devices and evidence
Thomas Zeller, Bad Krozingen, Germany

How do drug-coated balloons perform over the long-term: An analysis of drug-coated balloon clinical outcomes 3–5 years post-procedure
Giovanni Torsello, Münster, Germany

Lesion complexity and outcomes: Results from the Total IN.PACT All Comers, imaging and propensity analyses
Peter Schneider, Honolulu, United States

Strategies to treat restenosis after drug-coated balloon treatment
Gunnar Tepe, Rosenheim, Germany

CX Debate: DCB alone is enough for the popliteal segment
For the motion: Marc Bosiers, Dendermonde, Belgium
Against the motion: Theodosios Bisdas, Münster, Germany

LUNCH AND VISIT TO HANDS-ON WORKSHOPS

Lunch Symposium

Review of paclitaxel usage: beneficial or detrimental to the patient

CX2019 HIGHLIGHT

CX 2019 will be the ideal forum for a “last word” on paclitaxel usage. Can we conclude that it really remains effective as currently recommended in defined situations, especially with DCB and DES? With such good results with drug-coated devices at five years, should a single review lead to the withdrawal of a long used drug for peripheral arterial disease? This CX 2019 Highlight session will gather a world-class Faculty to shed light on different aspects of paclitaxel and drug-coated devices. The objective is to discuss the safety of paclitaxel and establish whether its use is beneficial or detrimental to peripheral arterial disease patients.

TEA AND VISIT TO HANDS-ON WORKSHOPS

Tea Symposium

Edited case

Treating iliac occlusive disease with a covered endoprosthesis
Andrew Holden, Auckland, New Zealand

Interventional techniques (continued)

Advantages and results of treating SFA-popliteal occlusive lesions with a dual component stent: From the Austrian Registry
Martin Werner, Vienna, Austria

How to treat in-stent-restenosis in the femoropopliteal tract – what the literature tells us
Marc Bosiers, Dendermonde, Belgium

The case for spot stenting – similarities and differences between techniques
Thomas Zeller, Bad Krozingen, Germany

Edited case

Focal dissection repair after femoropopliteal angioplasty
Andrej Schmidt, Leipzig, Germany

Femoropopliteal bypasses with heparin-bonded PTFE are a durable treatment for long SFA-popliteal occlusions: When they are the best treatment and why
Walter Dorigo, Florence, Italy

Popliteal aneurysm

Open or endovascular repair for popliteal artery aneurysms – A case-control study
Martin Björck, Uppsala, Sweden

Open bypass

CX Debate: In the absence of suitable venous graft material prosthetic bypass is the answer
For the motion: Clement Darling III, Albany, United States
Against the motion: Andrew Holden, Auckland, New Zealand

Additional Peripheral Arterial activities

Peripheral Podium 1st Session	Thursday 18 April	Page 9
Peripheral Critical Ischaemia Challenges	Thursday 18 April	Page 9
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Tuesday 16 April 2019

VENOUS AND LYMPHATIC CHALLENGES

Lower Main Auditorium

Superficial veins

Aesthetic phlebology

Truncal vein treatment

How to choose between endovenous modalities

Armando Mansilha, Porto, Portugal

Foam sclerotherapy can replace phlebectomy for the management of varicosities
Claudine Hamel-Desnos, Caen, France

The benefit of non-thermal modalities
Steve Elias, Englewood, United States

Technique and strategy are as important as modality in the treatment of superficial reflux
Manj Gohel, Cambridge, United Kingdom

Podium 1st: VeClose Extension Study five-year results
Nick Morrison, Scottsdale, United States

Care after the procedure
Kathleen Gibson, Bellevue, United States

The evolution of superficial venous management has moved away from thermal techniques
Kursat Bozkurt, Istanbul, Turkey

Latest advances in managing C1 disease
Paul Pittaluga, Monaco, Monaco

Randomised trial of three radiofrequency ablation catheters
Isaac Nyamekye, Worcester, United Kingdom

Current theories on indications and techniques for perforator ablation
Kathleen Gibson, Bellevue, United States

COFFEE AND VISIT TO HANDS-ON WORKSHOPS

Advanced venous disease / Venous ulceration / Lymphoedema

Role of elevated central venous pressures in chronic venous insufficiency
Raghu Kolluri, Columbus, United States

Chronic venous hypertension: What to do when there is no venous disease to treat
Sergio Giancesini, Ferrara, Italy

Optimal lymphoedema diagnosis and management in 2019
Peter Mortimer, London, United Kingdom

A pragmatic approach to the assessment of swollen legs
Sarah Thomis, Leuven, Belgium

Novel treatments for intractable leg ulcers
Alfred Obermayer, Vienna, Austria

How to maximise implementation and impact post-EVRA
Alun Davies, London, United Kingdom

Pelvic venous disease

How to decide when pelvic venous reflux is clinically relevant and pelvic congestion syndrome
Neil Khilnani, New York, United States

CX Debate: The dangers of stenting for Nutcracker syndrome far outweigh any benefits

For the motion: Nils Kucher, Zürich, Switzerland

Against the motion: Olivier Hartung, Marseille, France

LUNCH AND VISIT TO HANDS-ON WORKSHOPS



Deep venous system

Chronic venous outflow obstruction

Acute DVT treatment

Deep venous reflux

Optimising pathways for acute DVT treatment

Prakash Saha, London, United Kingdom

CX Debate: Aggressive thrombus removal for iliofemoral DVT is overutilised as most patients do not develop significant PTS

For the motion: Manj Gohel, Cambridge, United Kingdom

Against the motion: Michael Lichtenberg, Arnsberg, Germany

Optimal outcomes assessment after acute DVT thrombolysis
Raghu Kolluri, Columbus, United States

Where next after ATTRACT
Mitchell Silver, Columbus, United States

Complications and disasters during deep venous stenting procedures
Gerard O'Sullivan, Galway, Ireland

An update on stent trials and the role of IVUS
Erin Murphy, Charlotte, United States

The challenge of inflow – how can we assess it and what to look for
Houman Jalaie, Aachen, Germany

What next when stents fail
Stephen Black, London, United Kingdom

The challenge of the femoral vein – treating post-thrombotic syndrome with normal iliac outflow
Steve Elias, Englewood, United States

TEA AND VISIT TO HANDS-ON WORKSHOPS

Meeting the challenges of upper limb venous outflow obstruction
Rick de Graaf, Friedrichshafen, Germany

New horizons for venous specialists
Sriram Narayanan, Singapore

Latest advances with percutaneous deep venous valves
Steven Dubenec, Sidney, Australia

Associating patient symptoms with venous reflux or obstructive disease
William A Marston, Chapel Hill, United States

Where do we stand with IVC filters in 2019
Richard McWilliams, Liverpool, United Kingdom

IVUS in venous interventions – reduction in radiation exposure
Stephen Black, London, United Kingdom

The current and future role of medical apps in venous care
Oscar Johnson, London, United Kingdom

Additional Venous activities

CX Venous Workshop

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Wednesday 17 April 2019

ABDOMINAL AORTIC CHALLENGES

Upper Main Auditorium

Challenging vascular issues

Medicolegal issues including issues of consent

Jonathan Beard, Sheffield, United Kingdom

Supervised exercise for abdominal aortic aneurysm patients: Early results from the AAA Get Fit trial

Charles McCollum, Manchester, United Kingdom

Patients with familial abdominal aortic aneurysm have more complications and a higher 30-day mortality after EVAR

Hence Verhagen, Rotterdam, Netherlands

Late secondary rupture after EVAR: 10 years' experience

Vincenzo Brizzi, Bordeaux, France

ACT-guided heparinisation during non-cardiac arterial interventions: First results of the ACTION trial

Arno Wiersema, Amsterdam, Netherlands

Embolisation of renal artery aneurysms

Robert Morgan, London, United Kingdom

Sac embolisation during EVAR – results from a prospective randomised study

Dominique Fabre, Le Plessis Robinson, France

Endoleak diagnosis and clinical outcomes of embolisation with glue

Marc Sapoval, Paris, France

Comparison and validation of a DIGG risk prediction model with established risk prediction models of in-hospital mortality after elective abdominal aortic aneurysm repair

Thomas Schmitz-Rixen, Frankfurt, Germany

Quality of life and cost effectiveness implication for internal iliac preservation

Fabio Verzini, Perugia, Italy

COFFEE AND VISIT TO HANDS-ON WORKSHOPS

Coffee Symposium

Edited case

Expanding EVAR indications with a next-generation AAA endograft conforming to 90-degree neck angulations

Challenging vascular issues (continued)

CX Debate: Hostile necks should be treated by EVAR

For the motion:

Hence Verhagen, Rotterdam, Netherlands

Against the motion:

Giovanni Torsello, Münster, Germany

Durability of endovascular aneurysm repair and the NICE Guidelines

Sac growth and follow up EVAR surveillance

Lois Kim, Cambridge, United Kingdom

Michael Sweeting, Leicester, United Kingdom

Maarit Venermo, Helsinki, Finland

David Epstein, Granada, Spain

Fiona Rohlfis, Hamburg, Germany

The danger of the UK NICE recommendations: A comparison of a contemporary EVAR device to the results of the EVAR-1 trial and why current results should be considered the new standard

Dittmar Böckler, Heidelberg, Germany

Indications for reinterventions after EVAR

Lars Lönn, Copenhagen, Denmark

EVAR durability and endoleaks in 2019 the US perspective

Ronald Dalman, Stanford, United States

Modulating EVAR surveillance: Results from the LEAR model and how clinical evidence can be utilised to improve surveillance regimen

Peter Holt, London, United Kingdom

NICE AAA draft guidelines are flawed: A real-world fiscal analysis

Louis Fligelstone, Swansea, United Kingdom

LUNCH AND VISIT TO HANDS-ON WORKSHOPS

Lunch symposium

Global recruitment into the Vascular Specialty

The sooner the better – How can medical students be attracted to (vascular) surgery

Hans-Henning Eckstein, Munich, Germany

The US perspective

Michel Makaroun, Pittsburgh, United States

The European perspective

Henrik Sillesen, Copenhagen, Denmark

The Latin American perspective

Alberto Muñoz, Bogotá, Colombia

The EBVS perspective

Armando Mansilha, Porto, Portugal

The UK perspective

Sophie Renton, Harrow, United Kingdom

Recruitment into the venous specialty

Louis Fligelstone, Swansea, United Kingdom

Audience participation and discussion

Volume and outcomes

Impact of the patient risk on the volume-outcome effect for AAA surgery

Matthias Trenner, Munich, Germany

Volume outcome in AAA Repair (Medicare data plus some VQI data)

Marc Schermerhorn, Boston, United States

Systematic review of volume-outcome relationship in open and endo AAA repair by the end of the year

Dittmar Böckler, Heidelberg, Germany

Regionalisation of ruptured abdominal aortic aneurysm is safe and cost-effective

Clement Darling III, Albany, United States

TEA AND VISIT TO HANDS-ON WORKSHOPS

Tea symposium

Imaging

Innovation in 3D navigation using light instead of fluoroscopy: First-in-human trial and case review

Joost van Herwaarden, Utrecht, Netherlands

New developments in fusion imaging – artificial intelligence that deforms anatomy to maintain accuracy

Bijan Modarai, London, United Kingdom

Challenging vascular issues (continued)

Podium 1st: EVAR plus endoanchors in the treatment of short proximal necks is a viable option: Two-year clinical results

Frank Arko, Charlotte, United States

On-label treatment of short and angulated necks with a new conformable EVAR device

Marc van Sambeek, Eindhoven, Netherlands

Podium 1st: FRONTIER IV data with a large hole closure device

Arne Schwindt, Munster, Germany

Gender disparities in the outcome of aortic repair

Janet Powell, London, United Kingdom

Impact of female gender in the outcomes of severe aortoiliac obstructive disease

Michele Antonello, Padua, Italy

CX Debate: The vast majority of failed EVARs can be treated endovascularly

For the motion:

Jean-Pierre Becquemin, Champigny-sur-Marne, France

Against the motion:

Michel Makaroun, Pittsburgh, United States

The changing face of aortic disease – the implications of an ageing population

Dominic Howard, Oxford, United Kingdom

Additional Abdominal Aortic activities

CX Aortic Techniques & Technologies (edited cases)

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CX Abdominal Aortic Abstracts

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Thursday 18 April 2019

THORACIC AORTIC CHALLENGES

Upper Main Auditorium

Ascending and arch aorta endovascular procedures

Stroke prevention in thoracic endografting	Richard Gibbs, London, United Kingdom
A prospective magnetic resonance imaging study on mechanism of silent cerebral infarction following thoracic endovascular aortic repair for aortic arch pathologies	Kenta Masada, Osaka, Japan
Incidence and predictors of early neurological complications following thoracic endovascular aneurysm repair in the Global Registry for Endovascular Aortic Treatment (GREAT)	Michele Piazza, Padua, Italy
Arch branch repair using single, double or triple branched devices	Gustavo Oderich, Rochester, United States
New updates on ascending aortic endografts	Rodney White, Torrance, United States

Stroke from Thoracic Endovascular Procedures (STEP) study

Towards reducing risk of stroke during thoracic endovascular procedures – STEP Study	Tilo Kölbel, Hamburg, Germany
	Stéphan Haulon, Le Plessis Robinson, France
	Fiona Rohlfes, Hamburg, Germany
	Gustavo Oderich, Rochester, United States

Descending aorta

Results of IFU versus non-IFU TEVAR procedures	Dittmar Böckler, Heidelberg, Germany
TEVAR outcome in real-life practice	Kevin Mani, Uppsala, Sweden
Podium 1st: Thirty-day clinical results of global cohort with new thoracic aortic endograft	Fabio Verzini, Perugia, Italy
Five-year experience with a low-profile thoracic endograft	Eric Verhoeven, Nuremberg, Germany
New TEVAR delivery system allows staged, predictable endograft deployment and in situ angulation control, while avoiding windsocking and bird-beaking	Giovanni Torsello, Münster, Germany

COFFEE AND VISIT TO HANDS-ON WORKSHOPS

Coffee symposium**Radiation**

Radiation dose to the eye	Lindsay Machan, Vancouver, Canada
Occupational radiation exposure and risk of cancer	Bijan Modarai, London, United Kingdom
The use of IVUS in aortic repair	Joerg Tessarek, Lingen, Germany

Chosen access for aortic reconstruction

Transfemoral access in complex aortic repair	Stéphan Haulon, Le Plessis Robinson, France
Comparison of fascial closure technique to cut-down in TEVAR	Tilo Kölbel, Hamburg, Germany
Percutaneous subclavian access	Luca Bertoglio, Milan, Italy

Thoracoabdominal aortic aneurysms

Innovative modalities for organ protection during thoracoabdominal aortic aneurysm open repair	Roberto Chiesa, Milan, Italy
Early outcomes of post-market registry of an off-the-shelf endograft for thoracoabdominal aneurysms	Martin Austermann, Münster, Germany
Anatomical suitability and challenges with an off-the-shelf branched endoprosthesis – analysis of CT scans of 500 patients	Luca Bertoglio, Milan, Italy
Use of inner branches in complex aneurysms – early results of the Iberian Study	Jorge Fernández Noya, Santiago Compostela, Spain
Clinical outcomes with a balloon-expandable covered stent in BEVAR cases – multicentre experience	Eric Verhoeven, Nuremberg, Germany

LUNCH AND VISIT TO HANDS-ON WORKSHOPS

Lunch symposium**Dissections**

Outcomes of branched arch repair for post type A dissections	Tilo Kölbel, Hamburg, Germany
Management and results of acute dissection with arch tear	Santi Trimarchi, San Donato Milanese, Italy
Limited and extended repair for acute type A dissection	Heinz Jakob, Essen, Germany
TEVAR plus bare metal stent vs. TEVAR alone	Stéphan Haulon, Le Plessis Robinson, France
Evidence for and risks of endovascular treatment of asymptomatic acute type B aortic dissection	Rachel Clough, London, United Kingdom
Changing paradigms for treating aortic acute type B dissection	William Jordan, Atlanta, United States
Evidence and compliance for best medical therapy for chronic type B aortic dissection	Colin Bicknell, London, United Kingdom
Decision-making process and influencing factors for the treatment of uncomplicated type B aortic dissections	Dittmar Böckler, Heidelberg, Germany
Establishment and validation of 301 classification scheme for type B aortic dissection: Insights from ROBUST in China	Wei Guo, Beijing, China
TEA AND VISIT TO HANDS-ON WORKSHOPS	

Spinal cord ischaemia

Multistaged endovascular approach to thoracoabdominal pathology with fenestrated and branched endografts	Luca Bertoglio, Milan, Italy
The influence of hyperglycaemia on spinal cord ischaemia	Jade Hiramoto, San Francisco, United States
Neuromonitoring to guide temporary sac perfusion during endovascular TAAA repair	Gustavo Oderich, Rochester, United States
Perioperative cerebrospinal fluid drainage for complex endovascular aneurysm repair cases	Bijan Modarai, London, United Kingdom

Juxtarenal, complex EVAR and challenging neck

Hospital workflow surrounding fenestrated and branch aortic repair: Nursing, anaesthesia, and critical care	Gustavo Oderich, Rochester, United States
The impact of polymer sealing on neck-related adverse events: Five-year results from ENCORE	Hence Verhagen, Rotterdam, Netherlands
Management of visceral artery aneurysms	Lindsay Machan, Vancouver, Canada
CX Debate: FEVAR/BEVAR is preferred for juxtarenal reconstruction	
For the motion:	Gustavo Oderich, Rochester, United States
Against the motion:	Konstantinos Donas, Munster, Germany
Experience with new balloon-expandable endoprosthesis in FEVAR and BEVAR	TBA
CX Debate: Created-neck FEVAR beats chEVAR every time	
For the motion:	Eric Verhoeven, Nuremberg, Germany
Against the motion:	Ralf Kolvenbach, Düsseldorf, Germany

Additional Thoracic Aortic activities

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Thursday 18 April 2019

PERIPHERAL CRITICAL ISCHAEMIA CHALLENGES – PART 1

Lower Main Auditorium



CLI GLOBAL SOCIETY

The geriatric patient in the age of modern endovascular treatment options

Marianne Brodmann, Graz, Austria

The incidence of peripheral arterial disease in patients with type 2 diabetes

Harry Hemingway, London, United Kingdom

Determinants of long-term outcomes and costs in the management of critical limb ischaemia: A population-based cohort study

Barry Katzen, Miami, United States

Pilot assessment of the angiosome concept by intraoperative fluorescence angiography after tibial bypass surgery

Ulrich Rother, Erlangen, Germany

Retrograde tibioptical angioplasty – technique, tips & tricks and outcomes

Andreas Schmidt, Seligenstadt, Germany

Extended limb salvage operations for threatened ischaemic limbs

Enrico Ascher, Brooklyn, United States

How to reduce dissections below-the-knee: Techniques & devices

Jos van den Berg, Lugano, Switzerland

TOBA II BTK trial results

Andrej Schmidt, Leipzig, Germany

Combination approach in below-the-knee lesions

Michael Lichtenberg, Amsberg, Germany

Will drug-coated balloons and stents significantly impact our treatment of critical limb ischaemia?

Peter Schneider, Honolulu, United States

COFFEE AND VISIT TO HANDS-ON WORKSHOPS

PERIPHERAL ARTERIAL Podium 1st Session

Lower Main Auditorium

CX 2019
HIGHLIGHT

Podium 1st: First results of the MUST trial and further updates on the use of microbubbles in thrombolysis

Kak Khue Yeung, Amsterdam, Netherlands

Podium 1st: Angiography alone in the lower limb: First results comparing IVUS and angiography in the leg

Konstantinos Stavroulakis, Muenster, Germany

Podium 1st: The case for treating aortoiliac occlusive disease with a covered device: Early experience with new balloon-expandable endoprosthesis

Michele Antonello, Padua, Italy

Podium 1st: ZILVERPASS 18-month results

Marc Bosiers, Dendermonde, Belgium

Podium 1st: Intravascular lithotripsy: Study status (DISRUPT PAD II and III) and lessons learnt from a real-world registry

Andrew Holden, Auckland, New Zealand

Podium 1st: Two-year data from the MIMICS-2 study

Timothy Sullivan, Minneapolis, United States

Podium 1st: Multivariate analysis of 2,400 patients using a drug-eluting stent – Patency data

Michael Dake, Tucson, United States

Podium 1st: REPLACE study – heparin-bonded ePTFE graft vs. ePTFE graft

Yann Goueffic, Nantes, France

LUNCH AND VISIT TO HANDS-ON WORKSHOPS

PERIPHERAL CRITICAL ISCHAEMIA CHALLENGES – PART 2

Lower Main Auditorium

Medical therapy

COMPASS and VOYAGER PAD are trying to answer our open questions for secondary prophylactic treatment in patients with peripheral arterial disease

Marianne Brodmann, Graz, Austria

The optimal antiplatelet therapy for the prevention of leg amputations

Konstantinos Katsanos, Patras, Greece

Survival after lower extremity revascularisation for critical limb ischaemia is better with high dose statins

Marc Schermerhorn, Boston, United States

iWounds

Adequate wound care after successful endovascular treatment, a keystone for success

Marianne Brodmann, Graz, Austria

Debridement for the diabetic foot ulcer – how often, how much, and in what setting

TBA



Rutherford 6 wounds: The utility of multivessel revascularisation and inflow strategies

Peter Schneider, Honolulu, United States

Footwear technology for diabetic foot ulcer patients

Sjef van Baal, Almelo, Netherlands

A practical ambulatory approach to offloading diabetic foot ulcers:

Alternatives to total contact casting Thomas O'Donnell, Boston, United States

Glucose control and healing: Establishing a target and assessing the evidence to support tight control

TBA

TEA AND VISIT TO HANDS-ON WORKSHOPS

Mini-symposium on arterial disease below the ankle

Indications and techniques for below-the-ankle angioplasty

Roberto Ferraresi, Milan, Italy

Pedal-plantar loop angioplasty: Metatarsal artery access

Marco Manzi, Abano Terme, Italy

The place for distal bypasses in below-the-ankle treatment

Eric Ducasse, Bordeaux, France

Mini-symposium on ischaemic renal foot and Charcot foot

Bypass outcomes where no autologous vein available

Robert Hinchliffe, Bristol, United Kingdom

Diabetic patients in renal failure high rates of morbidity and mortality

Andrew Boulton, Manchester, United Kingdom

Pathophysiology of lower limb and dialysis

Robert Hinchliffe, Bristol, United Kingdom

Temporal association between the incidence of foot ulceration and the start of dialysis in diabetes mellitus

Francis Game, Derby, United Kingdom

Chronic kidney disease as a predictor of outcome after revascularisation of the ulcerated diabetic foot

Maarit Venermo, Helsinki, Finland

Understanding the ischaemic Charcot patient

Michael Edmonds, London, United Kingdom

Surgical reconstruction of Charcot foot

Venu Kavarthapu, London, United Kingdom

Additional Peripheral Arterial activities

Peripheral Arterial Proximal Ischaemia Challenges

Thursday 18 April

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CX Venous Workshop, Venous City •

Wednesday 17 April and Thursday 18 April

The CX Venous Workshop is the largest of its kind and provides one-to-one demonstrations by world leading experts in a wide range of issues, interventions and technologies relating to venous and lymphatic systems. Running on Wednesday and Thursday, the Workshop comprises of multiple training stations devoted to diverse aspects of phlebology. Delegates are free to roam between stations at their convenience.

Day 1 (preliminary list)

Practical hands-on skills—Ultrasound City

- Diagnostic venous ultrasound
- Cannulation
- Device positioning
- Tumescence anaesthesia

Thermal ablation techniques

- Radiofrequency ablation
- Laser ablation
- Steam ablation

Non-thermal ablation techniques

- Cyanoacrylate adhesives
- Mechanochemical ablation

Tributary treatment – ASVAL / Ambulatory phlebectomy

Aesthetic phlebology – Surgical treatment of reticular veins

Sclerotherapy

- Foam sclerotherapy for tributaries
- Sclerotherapy for labial and pudendal veins

Lymphoedema

- Lymphatic imaging
- Lymphoedema and lipoedema—classification and management
- Molecular basis and embryology of lymphoedema

Compression techniques

- Compression bandaging techniques
- Custom fit compression
- Compression options for challenging legs

Optimising venous care using medical apps

Day 2 (preliminary list)

Practical hands-on skills—Ultrasound City

- Diagnostic venous ultrasound
- Cannulation
- Device positioning
- Tumescence anaesthesia
- Vascular ultrasound training simulator

Pelvic vein embolisation

Plethysmography

- Air plethysmography
- Strain gauge plethysmography

Interventions for acute DVT

- Thrombectomy systems

Acute venous thrombosis

- Investigation for occult malignancy after acute DVT
- Superficial vein thrombosis
- Thrombophilia assessment in acute DVT

- Acute DVT imaging and clot ageing
- Comparison of CT, MR and IVUS

Deep vein stenting

Valve reconstruction

- Surgical deep venous and valve construction
- New valve reconstructions modalities

Veno-active agents, including ruscus extract and sulodexide

Paget Schroetter Syndrome

Caval filters

Endophlebectomy and open deep venous surgery

CX Venous Techniques & Technologies •

Wednesday 25 April and Thursday 26 April

The CX Venous Techniques & Technologies edited cases is an opportunity to review the latest techniques and technologies for managing venous disease. Running across two days at CX, the presentation of the cases has been timed to coincide with the CX Venous Workshop.

CX Congenital Vascular Malformations

Wednesday 17 April

This session will address both high- and low-flow vascular malformations with regard to their treatment options. World experts will present classification systems that provide insight into various types of vascular malformations. The use of different embolic agents, and the results achieved with these, will be presented and debated by leaders in the field. The complementary role of surgery in the management of vascular malformations will also be discussed.

An Introduction to Vascular Surgery

Wednesday 17 April and Thursday 18 April

The Vascular Society of Great Britain & Ireland and the Rouleaux Club will be running An Introduction to Vascular Surgery Course for medical students, foundation doctors and core surgical trainees at CX 2019. Attendees will be offered hands-on training in vascular anastomosis, vascular ultrasound and cannulation, as well as demonstrations of endovascular techniques. They will meet trainees and consultants with a passion for vascular surgery. They will also be given advice on how to develop their portfolio and how to apply for training in vascular surgery.

Attendees will get free entry to the CX 2019. An Introduction to Vascular Surgery will take place on Wednesday 17 April and Thursday 18 April and is a one-day course, repeated over two days. Any trainee wishing to sign up for this opportunity should contact Dawn Nicholls at dnicholls@bibamedical.com. Places are limited and applications will be accepted on a first-come-first-serve basis. Attendees will be asked for a deposit of £10 to secure their place and proof of status. All trainees attending the course will have the opportunity to write a report of their experience. The best report will be published in *Vascular News*. The deadline for applications is 17 February.

CX Aortic Workshop •

Tuesday 16 April and Wednesday 17 April

This practical skills course will provide delegates with the opportunity to hear from globally recognised aortic experts and to try complex aortic techniques and preprocedure planning tools at hands-on stations.

CX Peripheral Workshop •

Tuesday 16 April and Wednesday 17 April

In the CX Peripheral Workshop world-class experts will demonstrate a wide range of peripheral technologies and techniques at hands-on stations, allowing delegates to test and improve their practical skills.

CX Peripheral Techniques & Technologies •

Wednesday 17 April

The cases will demonstrate new peripheral arterial techniques and technologies. The cases will provide important insights into the management of peripheral arterial disease in clinical practice.

CX Aortic Techniques & Technologies (edited cases) •

Tuesday 16 April

Ascending aorta and arch

Total endovascular treatment of aortic arch pathologies using branched grafts
Martin Czerny, Freiburg, Germany

In situ laser fenestration for ruptured arch and TAA aneurysms
Dominique Fabre, Le Plessis Robinson, France

Imaging

Fusion image-guided therapy for type II endoleaks: Results of a multicentre clinical experience
Robert Rhee, New York, United States

Dissections

Open and endovascular treatment of acute type B dissections: Single-centre experience and literature review
Franco Grego, Padua, Italy

TEVAR

Endovascular repair of chronic post-dissection TAAAs
Gustavo Oderich, Rochester, United States

Thoracoabdominal aortic aneurysm repair – when open and when endo
Dittmar Böckler, Heidelberg, Germany

Open conversion after failure of thoracic aortic stent-grafting
Roberto Chiesa, Milan, Italy

Precise placement and conformability with a thoracic aortic endograft
Dittmar Böckler, Heidelberg, Germany

Juxtarenal

New balloon-expandable endoprosthesis in complex aortic procedures
Jorge Fernández Noya, Santiago Compostela, Spain

Covered stents in the treatment of a thoracoabdominal aortic aneurysm with two fenestrations and two branches
Said Abisi, London, United Kingdom

Retrograde reconstruction of visceral arteries
Wei Guo, Beijing, China

Repair with fenestrated endograft
Donald Adam, Bordesley Green, United Kingdom

Conversion to open repair

Open conversions of endovascular failures
Michel Makaroun, Pittsburgh, United States

Infection

Infections after vascular reconstructions
Konstantin Andreychuk, Saint Petersburg, Russia

iWounds

Wednesday 17 April

In collaboration with the American College of Wound Healing and Tissue Repair

Wound care challenges

Wound aetiology and how to diagnose common and rare conditions
Alison Hopkins, London, United Kingdom

Wound care treatment pathway: From assessment of underlying causation to treatment
Ian Chetter, Hull, United Kingdom

Designing services to optimise wound care: one-stop assessment clinics
Ahmad Naseer, Manchester, United Kingdom

Imaging and adjudication of lower extremity wounds in arterial and venous clinical trials
Raghu Kolluri, Columbus, United States

How to integrate wound care to vascular services
Peter Vowden, Bradford, United Kingdom

The importance of collaborative work between disciplines in wound care
Keith Harding, Cardiff, United Kingdom

Dosing compression for different patients
Alison Hopkins, London, United Kingdom

How to measure success in wound healing patients
Dave Bosanquet, Newport, United Kingdom

Setting up research studies with wound patients
Robert Hinchliffe, Bristol, United Kingdom

The role of nurses, OT and podiatrists in wound healing
Paul Chadwick, London, United Kingdom

TEA BREAK AND VISIT TO HANDS-ON WORKSHOPS

Innovations in wound care

Advanced wound dressing in 2019
TBA

MMP inhibitor dressing – Explorer study
Michael Edmonds, London, United Kingdom

LeucoPatch Study
Frances Game, Derby, United Kingdom

Nitric oxide release dressing
Michael Edmonds, London, United Kingdom

Multicentre clinical study of healing of diabetic foot ulcers using EpiFix
Bill Tettelbach, Marietta, United States

Edited case with EpiFix
Bill Tettelbach, Marietta, United States

Amniotic membrane of the placenta (AMP) for wound healing
William Ennis, Oak Lawn, United States

Natrox Study
Paul Hayes, Cambridge, United Kingdom

TWO2 Study
TBA

Plastic surgery – alternatives to skin grafts
Naveen Cavale, London, United Kingdom

Plastic surgery – alternatives to skin grafts
Naveen Cavale, London, United Kingdom

Plastic surgery – alternatives to skin grafts
Naveen Cavale, London, United Kingdom

iWounds Workshop

Wednesday 17 April
and Thursday 18 April

Wound ultrasound diagnosis and assessment

Wet lab for biologics – the role of new wound dressings

Negative wound pressure therapy

Advanced wound care treatment stations

Compression stockings, bandages and pumps

Prevention of recurrence in the diabetic foot

• Total contact casting

• Removable cast walker

• New skin grafting techniques

• Epidermal harvesting (without anaesthesia)

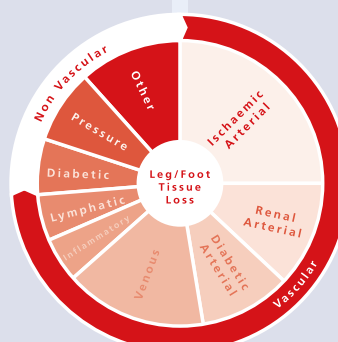
Spreadable skin grafts

Wound measurement systems

Interpulse wound lavage system

Wound perfusion system

Plastic surgery



European Vascular Surgeons in Training

Stars of the Future Abstract Session

The European Vascular Surgeons in Training (EVST) will be hosting the “Stars of the Future Prize Abstract Session at CX 2019.

Young vascular surgeons and trainees are invited to submit their scientific work. Part of the session will focus on the limits of open and endovascular surgery – when to combine strategies or to convert from one to the other. The submission of abstracts related to this topic is encouraged but all trending topics in vascular surgery are welcome, including interesting cases (optionally with video).

Presenters of accepted abstracts will receive free registration to CX 2019. The best presentations will be awarded with an engraved CX bell. Both members and non-members of the EVST can submit abstracts, but only EVST members can participate in the competition. The abstract should be sent as an attachment (Microsoft Word document, no longer than 300 words) to CXabstracts2019@gmail.com no later than 27 January 2019. The submission should include the presenter's contact information and state if a video will be presented (the video can be submitted at the venue).

Authors of submitted abstracts will be informed by 8 February if their abstract has been accepted.

CX Vascular Access Masterclass

Wednesday 17 April

Maintaining and optimising dialysis access

Chairing: Nicholas Inston, Birmingham, United Kingdom
Domenico Valenti, London, United Kingdom

Introduction: Defining the problem

Why vascular access fails Nicholas Inston, Birmingham, United Kingdom

Selection of strategies to ensure lifetime vascular access optimisation
TBA

Central venous catheters – are they bad or are they badly managed?
Haimanot Wasse, Chicago, United States

Preventing failure

The use of AVGs instead of CVCs helps to reduce infection rates in patients needing haemodialysis
Ulf Hedin, Stockholm, Sweden

Graft failure: How much is cannulation to blame?
Shawn Gage, Raleigh, United States

Stenosis

Are all stenoses the same? Kate Steiner, Stevenage, United Kingdom

Preventing stenosis – the RADAR technique
Nirvana Sadaghianloo, Nice, France

Preventing stenosis- Pharmacological Paul Gibbs, Portsmouth, United Kingdom

Preventing stenosis – mechanical Nikolaos Karydis, London, United Kingdom

Can we prevent stenosis with AVGs? David Kingsmore, Glasgow, United Kingdom

COFFEE AND VISIT TO HANDS-ON WORKSHOPS

AVF Stenosis: Case-based presentations

How to investigate and when to treat Haimanot Wasse, Chicago, United States

Surgical Karl Illig, Tampa, United States

Endovascular Robert Jones, Birmingham, United Kingdom

USS guided angioplasty Olivier Pichot, Grenoble, France

Can we prevent thrombosis?

Pharmacological – the role of newer antithrombotics TBA

Role of surveillance Colin Deane, London, United Kingdom

Treating thrombosis in VA (case based presentations)

Chairing: Nicholas Inston, Birmingham, United Kingdom

Surgery Teun Wilmink, Birmingham, United Kingdom

Interventional radiology Robert Jones, Birmingham, United Kingdom

When to treat, when to give up Jason Wilkins, London, United Kingdom

Drug-coated balloons in preventing restenosis in vascular access – the DCB Registry
Panagiotis Kitrou, Patras, Greece

Treating vascular thoracic outlet stenosis

Surgical approaches Karl Illig, Tampa, United States

Radiological Jeffrey Hull, North Chesterfield, United States

Central stenosis

Classifying central venous stenosis TBA

When to treat? How to treat? Robert Jones, Birmingham, United Kingdom

Central occlusion

Recanalisation – inside/out James Gilbert, Oxford, United Kingdom

Recanalisation – outside/in Timothy Clark, Philadelphia, United States

LUNCH AND VISIT TO HANDS-ON WORKSHOPS

The access algorithm: Can we define an algorithmic approach to vascular access preservation and maintenance?

Nicholas Inston, Birmingham, United Kingdom

Colin Deane, London, United Kingdom

Innovations in vascular access: Technologies, techniques, and trial updates

Pre-access optimisation

Fist Assist Tej Singh, Los Altos Hills, United States

External pump TBA

Choosing the right vessel prep device to optimise long-term results for dialysis access patients
Matteo Tozzi, Varese, Italy

Reducing pain for dialysis access patients: How to improve comfort by using a new balloon technology Narayan Karunanithy, London, United Kingdom

Pharmacology

Vonapanitase update Paul Gibbs, Portsmouth, United Kingdom

Sirolimus wraps and vascular access TBA

Drug-coated balloons (trial updates)

LUTONIX AV IDE TBA

IN.PACT AV: Baseline data from the full cohort
Andrew Holden, Auckland, New Zealand

Podium 1st: DeVA TBA

Australian experience with DCB in AV access John Swinnen, Sydney, Australia

AV fistulas

AV Fistulas - VasQ device Nikolaos Karydis, London, United Kingdom

Podium 1st: AVeVA Trial and AVeNEW Trial TBA

Grafts and stent grafts

Avoiding central venous catheters: How early cannulation grafts decrease complications and improve patient care TBA

Thrombotic failures: Making the case for use of stent grafts to treat AV access circuits
John Aruny, New Haven, United States

Viabahn stent for haemodialysis shunt: Efficacy, long segment recanalisation and prognostic factors for reintervention
Matteo Barattini, La Spezia, Italy

Results of stent graft placement to treat cephalic arch stenosis in hemodialysis patients with dysfunctional brachiocephalic arteriovenous fistulae
Robert Jones, Birmingham, United Kingdom

CX Debate: Interventional nephrology improves dialysis patient outcomes

For the motion: Haimanot Wasse, Chicago, United States
Against the motion: Paul Gibbs, Portsmouth, United Kingdom

Summary and close of day 1

CX Vascular Access Workshop

Thursday 17 April

This practical skills session will feature hands-on tutorials covering topics such as autologous arteriovenous fistula access, implantation techniques for arteriovenous fistula grafts, and complications of access.

Assessment of vascular access

USS stations with patients

Fist Assist

Techniques in vascular access

Management of AV fistula/graft stenosis with stent grafts

Fistula suture models

Grafts – techniques for EC grafts

Dialysis central venous catheters

VASQ device

Complex access

HeRO and Surfacor

Advance Enforcer 35 plus accessory products for treating failing haemodialysis access
Maxine Brown, Limerick, Ireland

Stents and stent grafts for vascular access

Recanalisation – outside/in

Dialysis made simple

Dialysis central venous catheters workshop

Fistula cannulation – it's not that easy!

USS guided cannulation

Plastic cannulas for dialysis

Complications of access

Treatment strategies with prosthetic vascular access and future prospects

Steal: Preserving the access

High flow access

Thrombosis, thrombolysis and thrombectomy

Dec clotting a graft

AV access cases

USS guided angioplasty

Teaching and training in vascular access

Kidney Academy

Journal of Vascular Access



CX Vascular Access Abstract Presentations and Electronic Posters

Tuesday 16 April

(S)= Senior (T)= Trainee

CX Vascular Access Abstracts

Long-term patency of arteriovenous fistulas as a vascular access in paediatric age group patients with end-stage renal disease – Egyptian experience

Hassan Lotfy Aly, Alexandria, Egypt

Brachial vein transposition versus arteriovenous grafts – 24 months results

Ines Antunes, Porto, Portugal

Our experience of primary patency of PTFE patch closure at the venous anastomotic site for arteriovenous graft thrombosis

Chandrashekar Ar, Bangalore, India

Results of a pivotal trial of vonapanitase to increase fistula use for haemodialysis and secondary patency

Steven Burke, Sudbury, United States

Use undersized stent grafts to treat haemodialysis access-related severe central venous occlusive disease: Midterm results

John Chien-Hwa Chang, New Taipei City, Taiwan

Systematic review and meta-analysis of randomised-controlled trials comparing drug-coated balloons angioplasty vs. plain balloon angioplasty in arteriovenous fistulae salvage

Fui Jin Chong, Singapore

Over 80s renal failure patients – radiocephalic vs. brachiocephalic outcomes

Nuno Filipe Coelho, Vila Nova de Gaia, Portugal

The need for an early fistuloplasty as a poor prognostic factor for vascular access patency

Mohamed Elzawahry, London, United Kingdom

“Low-flow” vascular access grafts

Marco Franchin, Varese, Italy

A new protocol for radiocephalic vascular access creation for haemodialysis

Roberto Gabrielli, Rome, Italy

Artificial intelligence and functional maturation of radiocephalic arteriovenous fistula

Ali Kordzadeh, Broomfield, United Kingdom

Long-term outcomes of a new technique of brachiocephalic elevation fistula for haemodialysis

Manel Ghribi, Besancon, France

Interim results of a randomised controlled trial comparing the incidence of steal syndrome in two types of antecubital fossa arteriovenous fistulae

Aaron Goh, London, United Kingdom

Can we define adequate surveillance timing for arteriovenous grafts?

Andrej Isaak, Basel, Switzerland

Longevity and outcomes of central double lumen permanent catheters for haemodialysis

Mohamed Ismail, Cairo, Egypt

Risk of iodinated contrast use in predialysis patients undergoing percutaneous endovascular arteriovenous fistula formation: A single-centre experience

Aurangzaib Khawaja, Birmingham, United Kingdom

Paediatric haemodialysis in the UK–time for national guidance?

Muhammad Khurram, London, United Kingdom

Distal revascularisation and interval ligation for the treatment of dialysis access steal syndrome: A systematic review

Ali Kordzadeh, Broomfield, United Kingdom

The Surfacor system – a single-center prospective observational study in central venous occlusion to demonstrate safety and efficacy

Tobias Steinke, Dusseldorf, Germany

A study of upper extremity AV grafts and single-stage basilic vein transposition: A single-centre analysis from South India

Luv Luthra, Bangalore, India

A new technique to repair high-flow arteriovenous fistula using a novel external support device

Vladimir Makaloski, Bern, Switzerland

Revision using distal inflow for the treatment of dialysis access steal syndrome: A systematic review

Ali Kordzadeh, Broomfield, United Kingdom

Stent grafting as first intervention for venous stenosis improves outcomes in incident arteriovenous grafts

Andrej Isaak, Basel, Switzerland

Transradial approach for arteriovenous fistula salvage: An Indian perspective

Pranay Pawar, Chennai, India

An external support device leads to increased AV-fistula maturation: The Hamburg experience with brachio-basilic fistulas confirms the multicentre data

Christos Petridis, Hamburg, Germany

Arteriovenous fistula surveillance using 3D tomographic ultrasound

Steven Rogers, Manchester, United Kingdom

The impact of type of anastomosis of AVF in ESRD on the rate of maturation: A randomised controlled trial

Mosaad Soliman, Mansoura, Egypt

Ultrasound assessment of arteriovenous access stenosis in native arteriovenous fistulas and correlation with histology analysis

Kate Steiner, Stevenage, United Kingdom

Significant reduction of radiation exposure using wrist access with the second generation 4F endoAVF catheter system to create endovascular AV fistulas

Tobias Steinke, Dusseldorf, Germany

VITAE Registry: Vascular access indigo catD thromboaspiration registry

Marco Tadiello, Castronno, Italy

CX Vascular Access E-posters

Early cannulation grafts for haemodialysis: An updated systematic review (T)

Julien Al Shakarchi, Halesowen, United Kingdom

Use of incisional negative pressure wound therapy in preventing brachial-basilic arteriovenous fistula infection (T)

Muthaiah Arunaachalam, Singapore

Infections in arteriovenous grafts in haemodialysis patients (T)

Prashanth Chowdary, London, United Kingdom

Assessment of patency rate of forearm loop graft for haemodialysis in obese patients. A unicentric study (T)

Ashraf Elsharkawy, London, United Kingdom

Our experience in managing aneurysmal arteriovenous fistulas (T)

Mohamed Elzawahry, London, United Kingdom

Five years' follow-up of endovascular management of arteriovenous fistula complications (T)

Nelson Encarnacion Santana, Mexico City, Mexico

Cephalic vein transposition and rectilisation (S)

Joana Ferreira, Guimarães, Portugal

The use of angioplasty in vascular access surgery: Shedding new light (T)

Mohamad Kamarizan, Wrexham, United Kingdom

Artificial intelligence and future of vascular access surgery (T)

Ali Kordzadeh, Broomfield, United Kingdom

A fully implantable device for vascular access (S)

Fabrizio Lo Iacono, Naples, Italy

Endovascular management of exhausted vascular access syndrome: A case report (T)

Nelson Encarnacion Santana, Mexico City, Mexico

Creation of the vascular access programme in renal chronic disease unit in a public hospital of the national healthcare system (T)

Cristina Lozano Ruiz, Albacete, Spain

Endovascular treatment for failing arteriovenous fistula due to central vein stenosis (T)

Teodora Mares, Bucharest, Romania

Anatomical and technical aspects that influence the radiation dose of interventional procedures on hemodialysis vascular access (T)

Daniel Mendes, Porto, Portugal

Durability and cost-effectiveness of peripheral inserted portcath for chemotherapy (T)

Sohiel Nagib, Alexandria, Egypt

Paclitaxel-coated balloon vs. plain angioplasty balloon for dysfunctional dialysis access: A prospective double-blinded randomised controlled trial – six-month result shows promising outcome in DCB group (S)

Skyi Yin Chun Pang, Hong Kong

Snuffbox arteriovenous fistula-ups and downs (T)

Teodora Mares, Bucharest, Romania

Peripherally inserted chemoport (PIT) technique. A simple technique that delivers with minimal complications: The Hospital Kuala Lumpur experience (T)

Lily Sofida Rahim, Kluang Besar, Malaysia

A prospective randomised study comparing the use of an uncoated balloon for primary balloon angioplasty vs. hydrostatic dilatation to prepare the cephalic vein prior to creation of radiocephalic arteriovenous for dialysis (T)

Mohamed Rizk, Cairo, Egypt

The significance of brachiocephalic fistula anastomosis calibre on outcomes (T)

Safa Salim, London, United Kingdom

Anastomotic pseudoaneurysm of brachio-radial artery in a dialysis patient – a case report (T)

Roshan Rodney Sengodan, Coimbatore, India

A randomised control trial evaluating the effect of preoperative forearm exercise on cephalic vein diameter and vascular access outcome (T)

Louise Silva, Newport, United Kingdom

Radiocephalic fistula recovery using the brachial vein and forearm basilic vein (S)

Clemente Sousa, Porto, Portugal

Hybrid arteriovenous graft for haemodialysis vascular access in a multicentre registry (S)

Domenico Spinelli, Messina, Italy

Covered stent grafts are an important endovascular option for haemodialysis patients (S)

Tobias Steinke, Dusseldorf, Germany

The significance of brachiocephalic fistula anastomosis calibre on outcomes (T)

Rowland Storey, London, United Kingdom

Arterial percutaneous angioplasty in haemodialysis access-induced distal ischaemia (T)

Gabriela Teixeira, Porto, Portugal

Should hyperfunctioning arteriovenous fistula be closed after renal transplantation? (S)

Rosario Tringale, Nicolosi, Italy

Outcomes of arteriovenous fistulae catheter-directed thrombolysis within an Asian population (T)

Clarice Biru Yeo, Singapore

Surgical treatment of cephalic arch stenosis through the rotation of the external jugular vein: Case report (S)

Clemente Sousa, Porto, Portugal

CX Innovation Showcase

Thursday 18 April

Call for Innovation

We are currently looking for physician-inventors to share and discuss their novel vascular and endovascular approaches at CX's annual Dragons' Den competition. The competition provides physician-inventors with the opportunity to present their ideas in front of a panel of medtech experts. If you have a great idea, submit it by email to cxsymposium@bibamedical.com by 28 February 2019.

Course Directors: Stephen Greenhalgh, *London, United Kingdom*
Andrew Holden, *Auckland, New Zealand*
Frans Moll, *Utrecht, Netherlands*

Innovation challenges

Challenging the genius theory of innovation and discovery
Frank Criado, *Baltimore, United States*

How artificial intelligence will change how we practice medicine
Lindsay Machan, *Vancouver, Canada*

Artificial intelligence in vascular surgery
Rachel Clough, *London, United Kingdom*

Robocath robotic system R-One
Philippe Benceux, *Rouen, France*

Peripheral innovation

New Xtreme Touch sirolimus-eluting drug-coated balloon TBA

Selution sirolimus drug-coated balloon: Update from the SELUTION SFA study
Thomas Albrecht, *Berlin, Germany*

Smart stent to monitor blood flow and detect restenosis
York Hsiang, *Vancouver, Canada*

EndoWays self-propelling robotic microcatheter
Stephen Solomon, *New York, United States*

Twelve-month results of Credence BTK-1 sirolimus-eluting bioresorbable stent to treat critical limb ischaemia in below-the-knee arteries
Gireesh Warawdekar, *Mumbai, India*

Initial experience with the MicroStent in below-the-knee arteries for critical limb ischaemia
Robert Beasley, *Miami, United States*

B-Laser atherectomy system to treat peripheral artery disease
John Laird, *Sacramento, United States*

Temporary drug-coated spur system to address the challenges of DCB technology
Andrew Holden, *Auckland, New Zealand*

Corsair atherectomy system with forward-cutting, forward-coring Zero5 technology TBA

COFFEE AND VISIT TO HANDS-ON WORKSHOP

Aortic innovation

Predicting AAA growth/rupture: Can 3D ultrasound help with AAA management and repair decisions
Steven Rogers, *Manchester, United Kingdom*

In-house 3D printing for complex aortic endovascular procedures
Jan Heyligers, *Tilburg, Netherlands*

Contact force assessment in the arch during TEVAR: How different graft designs perform
Celia Riga, *London, United Kingdom*

Long-term results of new lock stent device for vessel banding in a swine mode
Carlo Setacci, *Siena, Italy*

Fluid dynamics in fenestrated arch endografts
Santi Trimarchi, *San Donato Milanese, Italy*

Venous innovation

Results of the Echopulse echotherapy for the treatment of varicose veins
Alfred Obermayer, *Vienna, Austria*

Acute stroke innovation

Endovascular magneto-motive nano-robotic stroke therapy
Sean Morris, *St Louis, United States*
Mike Tones, *St Louis, United States*

Vascular access innovation

New Pristine Access Technologies dialysis access catheter
Michael Tal, *Tel Aviv, Israel*

Wound care innovation

Wound care antimicrobial (CSA) Bob Mitchell, *Irvine, United States*

Lunch and visit to hands-on workshop

Diagnostic and imaging innovation

The future of vector flow imaging is in 3D Lars Lönn, *Copenhagen, Denmark*

Update on holographic medical imaging to support operative procedures: The VPI Technology Jan Heyligers, *Tilburg, Netherlands*

Wearable technologies and telemonitoring for vascular disease to keep patients out of hospital Celia Riga, *London, United Kingdom*

Updates from previous Dragons' Den winners

2015 The Bullet Proof vascular access graft (InnAVasc)
Jeffrey Lawson, *Durham, United States*

2016 Switch suturing device Mark Vrancken Peeters, *Nijmegen, Netherlands*

TEA AND VISIT TO HANDS-ON WORKSHOP

Dragons' Den

Panel: Andrew Holden, *Auckland, New Zealand*
Bob Mitchell, *Irvine, United States*
Peter Phillips, *Didcot, United Kingdom*
Chas Taylor, *Horsham, United Kingdom*

pHPC (phenox hydrophilic coating) for reduced thrombogenicity of stents
Hans Henkes, *Stuttgart, Germany*

Community Portable Infrared Thermography (C-PIT): improving outcomes in patients with diabetic foot disease
Colette Cook, *Ellesmere Port, United Kingdom*

A second generation venous stent Cees Wittens, *Maastricht, Netherlands*

A novel restorative vascular access graft technology Luke Burke

CX Meets Latin America

Tuesday 17 April

In 2019, the Charing Cross Symposium will continue to have a dedicated session to showcase vascular and endovascular practice in Latin America.

Lower limb vascular trauma in a community hospital
Elvio Demicheli, *Buenos Aires, Argentina*

Updates in how to improve results on outpatient EVAR program
Álvaro Razuk, *São Paulo, Brazil*

FEVAR due proximal neck dilatation after EVAR
Luis Mariano Ferreira, *Buenos Aires, Argentina*

Fenestrated and branched stent-grafting after previous surgery
Luis Mariano Ferreira, *Buenos Aires, Argentina*

Proper hydration and supplemental oral protein administration improves all lower extremity ischemic symptoms. It may replace stenting and bypasses for many patients: The evidence

Juan Carlos Parodi, *San Isidro, Argentina*

Short necks – how to do it

Guilherme Centofanti, *São Paulo, Brazil*

Restenosis management in the femoropopliteal territory

Cleoni Pedron, *Rio Grande do sul, Brazil*

Strategies on the treatment for complex disease in the femoropopliteal artery

Sidnei Galego, *São Paulo, Brazil*

Why endografting is my first choice to treat popliteal artery aneurysm

Lucas Marcelo Dias Freire, *São Paulo, Brazil*

CEC@CX

Tuesday 16 April

Programme directors:

Wei Guo, Weiguo Fu, Zhong Chen

The China Endovascular Course (CEC) comes to CX to provide an insight into the management of vascular disease in Asia.

CX Abstract Presentations

(S)= Senior (T)= Trainee

CX Peripheral Arterial Global Stars & Rising Stars

Choice of operation and specific set of preoperative comorbidities can accurately predict adverse postoperative outcomes after extra-anatomic suprainguinal bypass procedures	Mohammad Eslami, Pittsburgh, United States
Antiplatelet therapy in peripheral arterial disease: Umbrella review, meta-analysis and rationale for randomised trial after endovascular intervention	Chris Twine, Bristol, United Kingdom
Open repair vs. endovascular treatment of complex aorto-iliac lesions in low-risk patients	Francesco Squizzato, Castelfranco V. (TV), Italy
Younger patients have worse outcomes following peripheral vascular intervention for aortoiliac occlusive disease	Mohammad Eslami, Pittsburgh, United States
Treatment of iliac occlusive disease with new balloon-expandable endoprosthesis	Benjamin Pearce, Chicago, United States
Advances in treatment for aortoiliac occlusive disease	Frank Arko, Charlotte, United States
IN.PACT SFA Japan: Three-year clinical outcomes	Osamu Iida, Amagasaki, Japan
IN.PACT SFA: Final five-year durability and safety outcomes	John Laird, Sacramento, United States
Do IDE study results mirror the results we see in our real-world patients? Insights from the three-year IN.PACT global study outcomes	Gary Ansel, Columbus, United States
The SUPER B randomised controlled trial shows Viabahn endografts perform as well as open surgical femoropopliteal bypass grafts for two years	Michel Reijnen, Arnhem, Netherlands
Heparin-bonded covered stents vs. bare metal stents for complex femoropopliteal artery lesions	Boris Chaitovitch, Ramat Gan, Israel
Podium 1st: FINNPTX final results	Maarit Venermo, Helsinki, Finland
Podium 1st: DRASTICO study two-year results	Francesco Liistro, Arezzo, Italy
Endovascular treatment of popliteal aneurysms: Long-term outcomes	Ignace Tielliu, Groningen, Netherlands
Treatment of peripheral arterial disease with endoluminal bypass in long de novo lesions and in-stent restenosis	Daniel Francois Du Toit, Cape Town, South Africa
Management of critical limb ischaemia of the lower limbs: Guidelines according to international scientific experience	Athanasios Giannoukas, Larissa, Greece
Real world long-term outcome of patients with femoropopliteal helical interwoven nitinol stents	Yiu Che Chan, Hong Kong
Changes and significance of T helper 9 T lymphocytes and interleukin-9 expression in patients with atherosclerotic chronic lower limb ischaemia	Hassan Lotfy Aly, Alexandria, Egypt
Rotational atherectomy vs. surgical endarterectomy for common femoral artery atherosclerotic disease in high haemorrhagic risk patients: A comparative study	Patrick Bagan, Argenteuil, France
Patients with infrapopliteal artery lesions treated with a paclitaxel covered balloon in a real-world clinical trial. Twenty four-month results of the BIOLUX P-III all comers registry	Katharina Brett, Bülach, Switzerland
Percutaneous transluminal lower limb angioplasty for ischaemic foot ulcers: Five-year experience	Mohamed Cassim, Nawala, Sri Lanka
Optimisation of methods of diagnostics and treatment of arteriovenous forms of congenital vascular malformations of extremities	Larysa Chernukha, Kyiv, Ukraine
Risk of major amputation following revascularisation for intermittent claudication – a population-based study	Henrik Djerf, Gothenburg, Sweden
Tibial occlusive arterial disease in patients with chronic kidney disease; saving the limb and the kidney	Nalaka Gunawansa, Colombo, Sri Lanka
The fate of the claudicant; 25 years after Dormandy	Katherine Hurst, Oxford, United Kingdom
Autologous platelet-rich plasma in diabetic foot ulcers, new preparation technique	Osama Ismail, Sohag, Egypt
High platelet reactivity and low platelet response to aspirin in patients with peripheral artery disease treated with percutaneous transluminal angioplasty of the arteries of lower limbs	Michał Juszynski, Warsaw, Poland
Simultaneous and staged reconstruction on brachiocephalic arteries	Victor Kalinin, Nyagan, Russia
Impact of calcification modelling and planning circles with fusion imaging for the chronic total occlusion of iliac and femoropopliteal arteries	Nicolas Louis, Créteil, France
The final results of the hybrid procedure in comparison with the aortofemoral bypass in patients with haemodynamically significant lesions of the iliac arteries and the common femoral artery (type TASC II C, D)	Vyacheslav Mitrofanov, Novosibirsk, Russia

Cost-effectiveness of the treatments for critical limb ischaemia in the elderly population	Chloé Peters, Breda, Netherlands
International consensus document on the treatment of chronic, non-healing wounds	Bill Tettelbach, Marietta, United States
The variant of improving the long-term results after stenting of the superficial femoral artery: Two years results of a pilot prospective randomised study	Artem Rabitsun, Novosibirsk, Russia
A pilot study to determine vascular functions and patency through interventional atherectomy in peripheral artery disease (safety and efficacy of atherectomy on vascular functions – the SAVIOR trial): Methodology and study design	Christos Rammos, Essen, Germany
Aspiration thrombectomy for acute limb ischaemia: A single-centre experience	Maria Antonella Ruffino, Turin, Italy
Comparison of adjuvant non-drug coated and drug-coated balloon angioplasty populations undergoing peripheral arterial disease interventions involving laser assisted atherectomy	Javier Ruiz Aburto, Ponce, Puerto Rico
Comparative study of clinical outcomes of post-intervention good vs. poor pedal runoff in successful infrapopliteal angioplasty	Roshan Rodney Sengodan, Coimbatore, India
Indocyanine green fluorescence imaging in predicting wound healing after limb revascularisation	Nicla Settembre, Vandoeuvre Les Nancy, France
Digital variance angiography as a risk reduction measure in peripheral endovascular interventions	Peter Sotonyi, Budapest, Hungary
A multicentre prospective randomised controlled comparative parallel study of dehydrated human umbilical cord allograft for the treatment of diabetic foot ulcers	Bill Tettelbach, Marietta, United States
Challenging baseline lesion characteristics: Subgroup analysis of patients treated in the IMPERIAL randomised trial	Frank Vermassen, Ghent, Belgium
Safety and effectiveness of the novel Temren Atherectomy System combined used with Extender drug-eluting balloon in lower extremity arteries	Halit Yerebakan, Istanbul, Turkey

CX Peripheral Arterial Abstracts

The role of female gender on outcomes after stenting for aortoiliac arterial obstructive disease (S)	Francesco Squizzato, Castelfranco V. (TV), Italy
Novel use of infrared thermal imaging to monitor graft patency of infrainguinal bypass in the immediate postoperative period and assess the angiosome concept (T)	Julien Al Shakarchi, Halesowen, United Kingdom
Outcomes of below-knee popliteal and tibial inflow venous bypass for critical limb ischaemia (S)	Goncalo Cabral, Sintra, Portugal
Perineural local anaesthetic catheter after major lower limb amputation trial (PLACEMENT): Results from a multicentre randomised-controlled feasibility trial (T)	Graeme Ambler, Bristol, United Kingdom
New scoring method to assess lesions involving the common femoral artery: Its relation to the stage of ischaemia and revascularisation method (S)	Alexey Baryshnikov, Chelyabinsk, Russia
Early a late outcome assessment of popliteal artery aneurysm open vs. endovascular repair (S)	Giuseppe Battaglia, San Gregorio di Catania, Italy
Predictive failure's results in the spectral analysis during the surveillance of infrainguinal revascularization through vascular ultrasound (S)	Ricardo Bernardo, Londrina, Brazil
Twenty four-month results of instant stenosis patients treated with a paclitaxel covered balloon in the real-world BIOLUX P-III all-comers' registry (S)	Katharina Brett, Bülach, Switzerland
Inverted T bypass: Redefining the concept of non-revascularisable critical limb ischaemia (S)	Goncalo Cabral, Sintra, Portugal
The qualitative and the quantitative malnutrition in patients with the critical limb ischaemia (S)	Piotr Ciostek, Warszawa, Poland
First human experience with the Xtremetouch-Neo sirolimus-coated balloon in percutaneous peripheral arterial interventions (S)	George Dangas, New York, United States
Biomechanical properties of subclavian and iliac arteries and implications for endovascular implant design (S)	Tina Cohnert, Graz, Austria
Strategies for limb salvage in patients with end-stage peripheral arterial disease and neuromodulation (S)	Beatrix Cucuruz, Nuremberg, Germany
FemoSeal device use for femoral artery closure by our current techniques (S)	Roberto Gabrielli, Rome, Italy
First-in-human results from a novel device providing real time, quantitative feedback on tissue perfusion during peripheral intervention (S)	Paul Hayes, Cambridge, United Kingdom
Prospective evaluation of the CELT arterial closure device in an outpatient based catheterisation laboratory (S)	Syed Hussain, Peoria, United States
Endovascular graft bailout post reconstruction of popliteal artery injury. First case report (S)	Emad Eldeen Hussein, Heliopolis, Egypt

Chronic total occlusion of popliteal artery with vs. without distal landing zone: Comparison of PVI outcome (S)	Pavel Kuryanov, Saint Petersburg, Russia
Patient injuries in treatment of peripheral arterial disease in Finland: Review of national patient insurance charts (S)	Minna Laukkavirta, Piikkio, Finland
Creation and management of arteriovenous fistula during complex peripheral revascularisation (T)	Claudia Martinez, Dublin, Ireland
Totale percutaneous deep foot veins arterialisation. Single-centre experience (S)	Bruno Migliara, Peschiera, Italy
Rationale and design of a pivotal study for an autologous blood filter device for treatment of critical limb ischaemia (S)	Bijan Modarai, London, United Kingdom
Blunt brachial artery injury in pediatric patients (S)	Ahmed Naga, Alexandria, Egypt
Distal hybrids for long chronic occlusion of superficial femoral artery with severely compromised runoff (S)	Pavel Kuryanov, Saint Petersburg, Russia
Implementation of a multidisciplinary team approach in lower extremity amputation prevention programme for diabetic foot ulcers referral from primary healthcare to a tertiary centre vascular surgery clinic: Initial experience in an Asian population (T)	Irene Ng Ai Ting, Singapore
Single center experience of subintimal recanalization of femoropopliteal TASC II C-D disease using primary stenting with mimetic stents (S)	Omella Pancheri, Livonia, Italy
Peripheral endovascular training in live animals: Appropriate hands on training in UK (S)	Shadeh Parsapour, London, United Kingdom
Distal embolisation at the below the knee and common femoral artery. Endovascular management (T)	Claudia Martinez, Dublin, Ireland
Retrograde use of the Outback re-entry catheter in complex infrainguinal arterial recanalisation (S)	Lorenzo Patrone, London, United Kingdom
Peripheral vascular disease in Argentina: First national registry (S)	Sebastian Peralta, Buenos Aires, Argentina
Is amputation in the elderly CLI patients acceptable in the long term? (T)	Chloé Peters, Breda, Netherlands
In-stent restenosis: Can vessel preparation improve procedural outcomes? (S)	John Pigott, Toledo, United States
"Via-pass": A real alternative for the critical limb ischaemia after thrombosis of a vein bypass (S)	Javier Rio, Majadahonda, Spain
Safety and efficacy of covered endovascular reconstruction of the aortic bifurcation technique for complex aortoiliac occlusive disease: A single-centre experience (R)	Maria Antonella Ruffino, Turin, Italy
A comparative study of the patency of femoropopliteal bypass vs. long superficial femoral artery stenting (T)	Terri-Ann Russell, Northamptonshire, United Kingdom
Totally percutaneous fem-pop bypass: From first human case to a routine technique (S)	Pierre Sarradon, La Seyne Sur Mer, France
Effect of abnormal lipid profile on wound healing in critical limb ischaemia patients with successful infrapopliteal angioplasty (T)	Roshan Rodney Sengodan, Coimbatore, India
Haemodialysis access induced distal ischaemia; effectiveness of different types of revisional surgeries (S)	Hesham Aly Mohamed Sharaf Eldin, Mansoura, Egypt
Quality of life and traditional outcome results at one year in elderly patients suffering from critical limb ischaemia and the role of conservative treatment (T)	Stijn Lambert Steunenbergh, Breda, Netherlands
The prognostic value of the Wifl classification in patients with chronic limb-threatening ischemia: A systematic review and meta-analysis (S)	Nick S. van Reijen, Amsterdam, Netherlands
Safety and feasibility of intravascular lithotripsy for treatment of common femoral artery stenosis (S)	Suzanne Wallace, Fremont, United States
Atherectomy for peripheral arterial disease (T)	Bethany Wardle, Bristol, United Kingdom
Retrospective analysis of initial results of a mechanical debulking device in patients with acute, subacute and chronic lower limb artery occlusion (S)	Christian Wissgott, Heide, Germany
The impact of a prior vascular procedure on the outcome of a future lower limb bypass for critical limb ischaemia (S)	Gladiol Zenunaj, Ferrara, Italy
Safety and feasibility of vascular surgical procedures in nonagenarians in the era of increasing life expectancy and advanced ageing (S)	Saqib Zia, East Brunswick, United States
Perioperative complications after revascularisation in diabetic and non-diabetic critical limb ischaemia patients and its relation with preoperative HBA1C (T)	Roshan Rodney Sengodan, Coimbatore, India

CX Abdominal Aortic Global Stars & Rising Stars

Magnetic resonance imaging volumetric assessment of small abdominal aortic aneurysm for growth monitoring – implications for power calculation in longitudinal interventional studies	Achilleas Karkamanis, Stockholm, Sweden
Post-EVAR graft limb kinking: Aetiology, impact as a cause of limb occlusion and management	Andreia Coelho, Porto, Portugal

Risk factors for perioperative mortality following revascularisation for acute aortic occlusion	Mohammad Eslami, Pittsburgh, United States
Episode-based cost reductions in EVAR	Ronald Dalman, Stanford, United States
Segmental arterial mediolysis	Samuel Money, Phoenix, United States
Integrated physiological and biochemical assessments for the prediction of growth of abdominal aortic aneurysm in humans	Regent Lee, Oxford, United Kingdom
A lifetime efficacy proven by clinical evidence: Twelve years of results of the Excluder endograft	Jan Heyligers, Tilburg, Netherlands
Many EVAR costs are triggered by unnecessary treatment of type II endoleaks: New data indicate that most are benign and do not require intervention	Michel Reijnen, Arnhem, Netherlands
Emergencies treated with covered stents	Maria Antonella Ruffino, Turin, Italy
Experience with covered stents in FEVAR procedures	Daniela Branzan, Leipzig, Germany
Early results of a new treatment for large abdominal aortic aneurysms with recurrent endoleaks: Combined endovascular and laparoscopic endoleak repair	Adam Howard, Larnarsh Bures, United Kingdom

CX Abdominal Aortic Abstracts

Percutaneous revascularisation as a feasible option for complex aortoiliac occlusive disease with fair one-year outcome (S)	Ahmed Allam, Benha, Egypt
Early outcomes of native and graft related abdominal aortic infection managed with orthotopic xenopericardial grafts (S)	Baris Ata Ozdemir, Montpellier, France
Mid-term results following 295 endovascular aneurysm sealing cases with the nexlix stent-graft system: A single-centre experience (S)	Kate Stenson, London, United Kingdom
Correlations between branch vessel catheterisation and procedural complexity in fenestrated and branched endovascular aneurysm repair (S)	Jacob Budtz-Lilly, Uppsala, Sweden
Patient preferences and attitudes towards surveillance post EVAR (T)	Bilal Azhar, London, United Kingdom
Patient-specific computational analysis of the impact of fenestrated and chimney endovascular aortic repair on haemodynamics in renal arteries (S)	Sabrina Ben Ahmed, Clermont Ferrand, France
Two-year outcomes of endovascular aneurysm sealing and chimney EVAS in abdominal aortic aneurysms based on calculated neck length: A single-centre study (S)	Patrick Berg, Kevelaer, Germany
Endovascular treatment of isolated common iliac artery aneurysms using iliac branch stent grafts without aortic component: A national multicentre registry (S)	Giulia Bernardini, Florence, Italy
3D aortic models for the urgent endovascular treatment of para-visceral penetrating aortic ulcers using physician modified stent grafts (S)	Daniela Branzan, Leipzig, Germany
Rupture after endovascular abdominal aortic aneurysm repair: A late challenge (T)	Nelson Camacho, Lisbon, Portugal
Long-term outcomes of surgical, endovascular and hybrid treatment of aortoiliac occlusive disease in patients younger than 60 years old (T)	Swati Chaparala, Rochester, United States
Endovascular treatment of terminal aorta occlusion (S)	Mikhail Chernyavskiy, St Petersburg, Russia
Endovascular aortoiliac grafting in patients with juxtarenal aortoiliac occlusive disease (S)	Piotr Ciostek, Warszawa, Poland
Major complications patients want to be informed about prior to abdominal aortic aneurysm surgery: A best-worst scaling study (T)	Sylvana de Mik, Amsterdam, Netherlands
Long-term results of the chimney technique by use of a standardised combination of devices in the treatment of 211 patients with pararenal pathologies (S)	Konstantinos Donas, Münster, Germany
Outcomes after contemporary elective EVAR: Five-year experience of a single NHS trust (T)	Lola Eid-Arimoku, Frimley, United Kingdom
Quantitative description of aortic rigid and non-rigid deformation during endovascular aneurysm repair (S)	Salma El Batti, London, United Kingdom
Redefining the volume outcome relationship for endovascular aneurysm repair (S)	Jens Eldrup-Jorgensen, Portland, United States
Use of inner branches in complex aortic aneurysms: Preliminary results of the iberian study (S)	Jorge Fernández Noya, Santiago Compostela, Spain
Impact of common iliac artery's anatomy on the risk of endograft limb occlusion after EVAR (S)	Liborio Ferrante, Palermo, Italy
Kidney autotransplant for treatment of complex aneurysms of the renal artery (S)	Marco Franchin, Varese, Italy
Observing a decade of yearly standardised surveillance in EVAR – patients with ultrasound or CT-Scan: Results from a single centre (T)	Anna Geraedts, Amsterdam, Netherlands
Long-term outcomes of endovascular aortic repair in patients with abdominal aortic aneurysm and ectatic iliac arteries (S)	Lorenzo Gibello, Turin, Italy
Are NHS vascular surgeons adequately prepared to meet the demands of the newly proposed NICE guidelines on AAA management? (T)	Simon Glasgow, Harrow, United Kingdom

Long-term follow-up post surgical treatment of infected aorto femoral vascular graft: Limited, sequential vs. total graft replacement (S) Grzegorz Gorski, Warszawa, Poland	Endovascular therapy for ischaemic vs. non-ischaemic complicated acute type B aortic dissection Ahmed Eleshra, Hamburg, Germany
Multicentre post-EVAR surveillance evaluation study (EVAR-SCREEN) (T) Matthew Joe Grima, London, United Kingdom	Physician-modified double fenestrated stent grafts for total endovascular aortic arch repair Baris Ata Ozdemir, Montpellier, France
Iliac branch endoprosthesis conformability is associated with freedom from adverse iliac events (T) Donald Harris, Monona, United States	Risk factors for mortality after endovascular repair for traumatic thoracic aortic injury Mohammad Eslami, Pittsburgh, United States
Evolution of EVAR stent graft design provides opportunity to reduce perioperative radiation exposure (S) Paul Hayes, Cambridge, United Kingdom	Endovascular repair of aortic disease from aortic arch to iliac arteries Konstantinos Spanos, Larissa, Greece
Analysis of aortic neck dilatation after endovascular aortic repair (S) Simone Hofer, Chur, Switzerland	Evaluation of the TAG thoracic branch endoprosthesis in the treatment of proximal descending thoracic aortic aneurysms Michael Dake, Stanford, United States
Localised aortic primary stenting for focal aortic stenosis; a review of nine patients with short-term outcomes (T) Mohamed Ismail, Cairo, Egypt	The place of renal revascularisation of late occluded renal artery following complex aortic repair Nikos Tsilimparis, Munich, Germany
Endovascular treatment of aortoiliac disease using in situ fenestration (T) J��r��mie Jayet, Boulogne-Billancourt, France	What we have learned from in vitro chimney studies Kak Kh��e Yeung, Amsterdam, Netherlands
Emergency EVAR for complex abdominal aortic aneurysms (T) Maciej Juszc��ak, Birmingham, United Kingdom	Procedure complexity in fenestrated and branched endovascular aneurysm repair depends on number of revascularised branches Kevin Mani, Uppsala, Sweden
Insight in national numbers of secondary reintervention procedures after primary abdominal aortic aneurysm surgery (T) Eleonora Karthaus, Amsterdam, Netherlands	The use of frozen elephant trunk techniques for acute and chronic type B dissections Celia Riga, London, United Kingdom
Post-EVAR aneurysm sac shrinkage is prognostically favourable but does not justify withholding follow-up (T) Jasper Langenberg, Breda, Netherlands	Results from the French multicentric study on Chimneys Rapha��l C��scas, Boulogne-Billancourt, France
New off-the-shelf branched EVAR technique for thoracoabdominal aneurysms (S) Marco Lourenco, Curitiba, Brazil	Routine use of cone beam influence on long-term outcomes Adrien Hertault, Lille, France
Secondary complication in an asymptomatic retroperitoneal lymphocele after an open abdominal aortic surgery: Management of a prosthetic vascular graft infection (T) Cristina Lozano Ruiz, Albacete, Spain	Three-years' follow-up of succesful endovascular interventions in Takayasu arteritis involving aorta and aortic arch vessels Dyah Wulan Anggrahini, Yogyakarta, Indonesia
The role of sarcopenia in survival of patients with abdominal aortic aneurysm: A prognostic factor review and meta-analysis of time-to-event data (T) Maciej Juszc��ak, Birmingham, United Kingdom	Systematic review on current evidence of type 1b endoleak after thoracic endovascular aortic repair Viony Belvroy, Houston, United States
Fusion image laser fenestration in situ for endovascular repair of type 1A endoleak (S) Marek Majewski, Creteil, France	Subclavian artery plug embolization (SAPE study): A real experience about endovascular subclavian occlusion prior to thoracic vascular repair Luca Bertoglio, Milan, Italy
The impact of suprarenal aortic diameters on outcomes following endovascular aneurysm repair (T) Arunesh Majumder, Singapore	Hybrid procedures in aortic arch aneurysm surgery in high risk patients Mikhail Chernyavskiy, St Petersburg, Russia
Endovascular treatment of short and severe abdominal aortic lesions (T) Teodora Mares, Bucharest, Romania	Short term outcomes of VBX stent-grafts compared to Atrium iCAST stent grafts for fenestrated endovascular repair Celine Deslarzes-Dubuis, Lausanne, Switzerland
Symptoms of depression and risk of abdominal aortic aneurysm. A population-based prospective study in Norway (the HUNT study) (T) Linn Nyr��nning, Trondheim, Norway	Relative change in temperature and atmospheric pressure are critical mechanistic factors in acute aortic syndrome occurrence in France Guillaume Guimbertiere, London, United Kingdom
Endovascular repair of abdominal aortic aneurysm: outcome prediction by CT-volumetry of aneurysm volume (S) Christos Petridis, Hamburg, Germany	Selective vs. routine preoperative coronary computerised tomography angiography for patients undergoing thoracoabdominal aortic aneurysm open repair Maria Katsarou, Milan, Italy
Radiation dose reduction and image quality assessment in endovascular abdominal aortic aneurysm repair using low-dose and ultra-low-dose protocols: Initial results at a single centre (S) Christos Petridis, Hamburg, Germany	Outcomes from open surgical repair of Extent IV thoracoabdominal aortic aneurysms: experience with the use of adjunctive distal perfusion, cerebrospinal drainage, MEP monitoring and Coselli branched grafts Vipin Mehta, Liverpool, United Kingdom
Neck morphologic changes and clinical consequences of enlarged necks requiring 34��36mm devices (T) Jose Oliveira Pinto, Sao Jo��o, Portugal	Outcomes of percutaneous endovascular repair of thoracic and thoraco-abdominal aneurysms with larger introducers and in patients with previous open or percutaneous accesses Andrea Melloni, Milan, Italy
A comparison of survival after endovascular and open repairs of unruptured elective infra-renal abdominal aortic aneurysms in octogenarians (T) Sriram Rajagopalan, Crewe, United Kingdom	Totally percutaneous access for thoracic and thoracoabdominal endovascular aortic repair: Upper extremity access Andrea Melloni, Milan, Italy
Screening cardiovascular patients for aortic aneurysms �� high prevalence of AAA in coronary heart disease requiring intervention (S) Benedikt Reutersberg, London, United Kingdom	Aortic aneurysms in Takayasu's arteritis. Outcomes after open surgical treatment Harishankar Ramachandran Nair, Trivandrum, India
Cerebrovascular and cardiovascular complications in the survivors of ruptured abdominal aortic aneurysm (T) Terri-Ann Russell, Northamptonshire, United Kingdom	First experience with a noval device with inner branches and funnel like ostium in the treatment of thoracoabdominal and juxrarenal aneurysms as a first step in the development of an "off-the-shelf" stent graft Ahmed Koshty, Siegen, Germany
An automatised algorithm to evaluate the patent aortic lumen in non-contrast computed tomographies (S) Gioele Simonte, Perugia, Italy	Systematic multistaged endovascular repair of thoracoabdominal aneurysms with fenestrated and branched endografts (STEAR study) Maria Katsarou, Milan, Italy
Post-implantation syndrome and asymptomatic myocardial injury after EVAR (T) Joel Sousa, Oporto, Portugal	
Factors associated with elimination of Endoleak type II during the first year post EVAR (S) Konstantinos Spanos, Larissa, Greece	
One year outcomes of BEGRAFT stent grafts used as chimney grafts in conjunction with the Endurant device for the treatment of complex abdominal diseases (S) Gergana Taneva, Madrid, Spain	
Impact of aortic stent graft oversizing on outcomes of the chimney endovascular technique based on a new analysis of the PERICLES registry (S) Marco Virgilio Usai, M��nster, Germany	
Treatment of calcified iliac stenosis using intravascular lithotripsy to facilitate percutaneous aortic intervention (S) Suzanne Wallace, Fremont, United States	
Augmented reality in vascular surgery �� 3D holographic imaging during endovascular aortic repair (T) Natalia Wrzesinska, Nieporet, Poland	
Retroperitoneal versus endovascular approach for the treatment of asymptomatic infrarenal aortic aneurysms; a single-centre experience (S) Gladiol Zenunaj, Ferrara, Italy	

CX Thoracic Aortic Global Stars & Rising Stars

Cerebroembolic outcomes of right vs. left upper extremity access during fenestrated/branched endovascular aortic repair Aleem Mirza, Rochester, United States
Matching analysis between classic and arch first technique in frozen elephant trunk for aortic arch repair (T) Alessandra Fittipaldi, Salerno, Italy
Relevance of SLPI as biomarker of acute kidney injury after open and endovascular complex aortic surgery (S) Alexander Gombert, Aachen, Germany
Endovascular outcomes of aortic arch disease treated with multiple parallel stents technique (S) Baolei Guo, Shanghai, China

Endovascular repair of Juxtarenal and thoracoabdominal aortic aneurysms with fenestrated/branched endografts after previous aortic repair (T)

Maciej Juszcak, Birmingham, United Kingdom

Extend petticoat strategy in difussed (DeBakey III) aortic dissection type B. New strategy to stop aneurysmatic degeneration (S)

Arkadiusz Kazimierzczak, Kurów, Poland

Modular branched stent grafts for redo and urgent interventions to treat pararenal and thoracoabdominal aortic aneurysm (S)

Reinhard Kopp, Zurich, Switzerland

Outcomes after one-stage vs. two-stage open repair of type II thoracoabdominal aortic aneurysms (S)

Drosos Kotelis, Aachen, Germany

A single-centre experience using automated intracranial pressure-controlled cerebrospinal fluid external drainage (S)

María Pilar Lamarca Mendoza, Toledo, Spain

Methods and clinical outcomes of in situ fenestration for aortic arch revascularisation during thoracic endovascular aortic repair (T)

Hailei Li, Shenzhen, China

The rationale of endovascular aortic graft repair for penetrating atherosclerotic ulcer of abdominal aorta (S)

Mingli Li, Taichung, Taiwan

Percutaneous F/BEVAR in patients with post-dissection thoracoabdominal aortic aneurysm: Midterm results of a prospective observational study (S)

Jost Philipp Schaefer, Kiel, Germany

The impact of bird-beak configuration after TEVAR on postoperative outcomes: A systematic review and meta-analysis (T)

Benedetta Spampinato, Milan, Italy

A single-centre review of aortic remodelling in patients with type B aortic dissection in an Asian population (T)

Jun Han Tang, Singapore

Influence of TEVAR on blood pressure in type B aortic dissection patients with refractory and non-refractory arterial hypertension (T)

Marco Virgilio Usai, Münster, Germany

Aortic dilatation following type B aortic dissection: A single-centre retrospective study (T)

Kitty Hiu Fung Wong, Bristol, United Kingdom

Percutaneous F/BEVAR in patients with thoracoabdominal aortic aneurysm: Midterm results (S)

Jost Philipp Schaefer, Kiel, Germany

Evolution of graft design, proximal sealing zone and outcomes in early vs. late experience with fenestrated and branched stent grafts (S)

Pablo Marques de Marino, Nuremberg, Germany

Feasibility and early results of a new-generation Candy Plug II for endovascular false lumen occlusion with TEVAR in chronic aortic dissection (S)

Ahmed Eleshra, Hamburg, Germany

Intentional targeted false lumen occlusion after aortic dissection (S)

Konstantinos Spanos, Larissa, Greece

CX Acute Stroke Abstracts

Prevention of neurologic morbidity in carotid surgery (S)

Giuseppe Battaglia, San Gregorio di Catania, Italy

Guidelines compliance in the use of statins and LDL target in patient in carotid surgery plan (S)

Fernando Belcastro, Buenos Aires, Argentina

Comparative analysis of carotid artery stenting and carotid endarterectomy in clinical practice (S)

Andrey Karpenko, Novosibirsk, Russia

Prevention of acute strokes by screening the senior population with a quick carotid scan (S)

George Lavenson, Lahaina, United States

Short non-patch arteriotomy in carotid endarterectomy (S)

Marco Leopardi, L'Aquila, Italy

Impact of carotid artery stenosis and carotid endarterectomy on ipsilateral ocular flow density measured by optical coherence tomography angiography (T)

Elena Marchiori, Münster, Germany

Intermediate results of a prospective randomised study in carotid artery revascularisation: The Acculink stent vs. the mesh covered stent comparative aspect (S)

Andrey Karpenko, Novosibirsk, Russia

Preoperative prediction of a vulnerable carotid plaque using the "speculate" score in patients submitted to carotid endarterectomy (S)

Daniela Mazzaccaro, San Donato Milanese, Italy

Evaluation of kinetic imaging in carotid and cerebral X-ray angiography (T)

Viktor Orias, Budapest, Hungary

Symptomatic carotid artery stenosis undergoing surgical revascularisation: Improvement in cognitive performance and cerebral haemodynamics (S)

Gabriele Pagliariccio, Senigallia (AN), Italy

Carotid plaque volume measured by 3D tomographic ultrasound (S)

Steven Rogers, Manchester, United Kingdom

Correlation between plaque characteristics and presence of preoperative white matter lesions in patients undergoing carotid endarterectomy (T)

Marjolijn Rots, Utrecht, Netherlands

Ferumoxitol-enhanced magnetic resonance imaging study of patients with symptomatic and asymptomatic carotid artery disease—An exploratory study (T)

Umar Sadat, Cambridge, United Kingdom

Preoperative embolisation of carotid body tumours: Yes or no? (T)

Tiago Soares, Matosinhos, Portugal

The clinical relevance of preoperative cerebral small vessel disease for adverse events following carotid endarterectomy (T)

Nathalie Timmerman, Amsterdam, Netherlands

Our experience of surgical treatment at patients with Takayasu disease (T)

Viktoria Tsay, Tashkent, Uzbekistan

Incidence and outcomes of cerebral hyperperfusion syndrome after carotid endarterectomy (T)

Mary Weisters, Aylesbury, United Kingdom

Patient cooperative general anaesthesia for carotid endarterectomy: A third option (T)

Yao Pey Yong, Huddersfield, United Kingdom

CX Venous Global Stars & Rising Stars

Outcomes of left renal vein stenting in patients with nutcracker syndrome

Rabih Chaer, Pittsburgh, United States

Great saphenous vein diameters in phlebological practice in France: A report of the diagrames study by the French Society of Phlebology

Claudine Hamel-Desnos, Caen, France

Early results of mechanochemical ablation, ClariVein, under automatic injection technique using a syringe pump

Insoo Park, Seoul, South Korea

Iliocaval stenting – diagnosis, technique and results

Marta Ramirez Ortega, Madrid, Spain

Evaluation of anticoagulant and antiplatelet therapy after ilio caval stenting

Robert Attaran, Guilford, United States

Foam versus liquid in sclerotherapy for telangiectasia of the lower limb: Study protocol for a randomised controlled trial; the Fovellite study

Matthieu Josnin, Paris, France

Acute improvement in haemodynamic parameters in patients treated with balloon pulmonary angioplasty for chronic thromboembolic pulmonary hypertension

Ido Weinberg, Boston, United States

Podium 1st: UK Celect Platinum data

Richard McWilliams, Liverpool, United Kingdom

Obturator hook sign as a marker of chronic iliofemoral venous outflow obstruction in computed tomography venography: Multicentric evaluation of incidence and clinical significance

Andreia Coelho, Porto, Portugal

Treatment of iliac and femoral vein occlusive disease with the Venovo venous stent: Twelve-month results from the VERNACULAR trial

Michael Dake, Stanford, United States

Reducing hyperpigmentation after sclerotherapy: Midterm results of a multicentre, randomised, controlled, clinical trial

Alejandro Jose Gonzalez Ochoa, San Luis, Mexico

Kissing stents for bilateral iliac venous outflow obstruction

Wen Hsien Hsu, Taipei, Taiwan

Clinical and haemodynamic outcome of morbidly obese patients having severe chronic venous insufficiency with and without bariatric surgery: A comparative study

Ahmed Naga, Alexandria, Egypt

Viscous biomatrix sclerofoam for large recurrent varices

Johann Christoph Ragg, Berlin, Germany

Patient radiation exposure in endovascular unilateral iliofemoral stenting for chronic central venous outflow obstruction

Saima Vaseem, Bexleyheath, United Kingdom

Early and mid-term results of hybrid treatment approach for patients with acute iliofemoral deep vein thrombosis

Ali Baran Budak, Ankara, Turkey

A comparative analysis of the results of cyanoacrylate ablation and radiofrequency ablation in the treatment of venous insufficiency

Fatih Islamoglu, Izmir, Turkey

Mid-term clinical outcome of minimally invasive vein restoring treatment method for chronic venous insufficiency

Serdar Gunaydin, Ankara, Turkey

Vein valve defects and insufficiency in children

Johann Christoph Ragg, Berlin, Germany

Venous Abstracts

Endovascular management of iliac vein compression syndrome: A prospective case series of 61 patients (S)

Ahmed Allam, Benha, Egypt

Early results of a randomised clinical trial of mechanochemical ablation vs. cyanoacrylate adhesive for the treatment of varicose veins (T)

Amjad Belramman, London, United Kingdom

Mid-term improvement of persistent headaches in patients with multiple sclerosis undergoing balloon venoplasty of internal jugular veins (S)

Giulia Bernardini, Florence, Italy

Randomised controlled trial of compression following endothermal ablation (COMETA trial) (T)

Roshan Bootun, London, United Kingdom

Neuroinflammation and venous lesion of the neck veins in patients with Ménière's disease (S)

Aldo Bruno, Benevento, Italy

Treatment of chronic deep vein thrombosis using ultrasound accelerated catheter-directed thrombolysis with sequential balloon angioplasty (S)

Mert Dumantepe, Istanbul, Turkey

Proper preoperative complex decongestive therapy and aggressive liposuction in combination with controlled compression: Paradigm shift in the management of lymphedema of lower limbs (S)

Yasser Elkiran, Mansoura, Egypt

Patient radiation exposure from embolo-sclerotherapy of vascular malformations (T)

Leeyng Giet, London, United Kingdom

Novel compliant stent with specific design for truncular venous malformations: Results of a porcine model study (S)

Giulia Bernardini, Florence, Italy

Single-centre experience with open and endovascular treatment of the Nutcracker syndrome (S)

Alessandro Grandi, Milano, Italy

Age-adjusted D-dimer cut-off level and idiopathic distal deep vein thrombosis in outpatients (T)	Xavier Jimenez-Guiu, <i>Barcelona, Spain</i>
Why hydatid pressure compresses leg veins but stockings do not (S)	Christopher Lattimer, <i>London, United Kingdom</i>
Laser crossectomy versus anterior accessory vein laser ablation in treating anterior accessory vein reflux (S)	Sohiel Nagib, <i>Alexandria, Egypt</i>
Long-term vein diameter reduction by perivenous hyaluronan instead of tumescence for endovenous procedures (S)	Johann Christoph Ragg, <i>Berlin, Germany</i>
Aspiration thrombectomy for acute deep vein thrombosis of the left lower extremity of a child after cardiac radiofrequency ablation (S)	Maria Antonella Ruffino, <i>Turin, Italy</i>
Ascending venogram in patients with active ulcer to predict wound healing: A single centre experience (T)	Vimalin Samuel, <i>Vellore, India</i>
Six stages of acquired vein valve insufficiency (S)	Johann Christoph Ragg, <i>Berlin, Germany</i>

New method and instrument for improved phlebectomy (S)	Pierre Sarradon, <i>La Seyne Sur Mer, France</i>
Venous ulcer treatment with inelastic adjustable velcro system (S)	Javier Alfredo Serralde Gallegos, <i>coyoacan, Mexico</i>
Endovascular management of arteriovenous malformation: Tips and tricks (S)	Hesham Aly Mohamed Sharaf Eldin, <i>Mansoura, Egypt</i>
Continuing on aspirin or half of the therapeutic dose of DOACs for one year reduces the risk of recurrent VTE (S)	Mosad Soliman, <i>Mansoura, Egypt</i>
Six stages of acquired vein valve insufficiency (S)	Johann Christoph Ragg, <i>Berlin, Germany</i>
Treating veins with EVRF monopolar radiofrequency – six years' follow-up results and modified pullback (S)	Attila Szabo, <i>Budapest, Hungary</i>
The outcome of combined coiling and liquid sclerotherapy compared to coiling only on symptoms of pelvic congestion syndrome: A randomised controlled trial (S)	Mosad Soliman, <i>Mansoura, Egypt</i>

CX Electronic Posters

The Electronic Posters will be available for viewing during the entire symposium on screens placed in a dedicated area on the exhibition floor. Using the latest multimedia, interactive and smart database technology, the Electronic Posters will run continuously on a loop and can be selected for static viewing via a touch screen. Additionally, selected Posters will be presented in a special session.

(S)= Senior (T)= Trainee

Peripheral E-poster

Catheter-directed thrombolysis with alteplase in treatment of acute arterial occlusion: Challenging cases (S)	Gulen Sezer Alptekin, <i>Kutahya, Turkey</i>
The novel role of IL-37 to enhance T regulatory cells anti-inflammatory response in patients with peripheral atherosclerosis (S)	Hassan Lotfy Aly, <i>Alexandria, Egypt</i>
Ulnar artery aneurysm and hypothenar hammer syndrome (S)	Giuseppe Battaglia, <i>San Gregorio di Catania, Italy</i>
Use of tourniquet for surgical revascularisation of infrainguinal lesions (S)	Ricardo Bernardo, <i>Londrina, Brazil</i>
Catheter debulking of chronically occluded popliteal artery (S)	Miroslav Bulvas, <i>Prague, Czech Republic</i>
A new modified surgical technique of in situ reverse arterialisation: Leaving the distal saphenous side branches open of non-reconstructable ischaemic leg leads to full recovery (S)	David Chayen, <i>Elkana, Israel</i>
Desmoplastic fibroblastoma entrapping brachial artery – a unique case report (T)	Nuno Filipe Coelho, <i>Vila Nova de Gaia, Portugal</i>
Portable infrared thermography: A useful tool in the management of diabetic feet? (T)	Colette Cook, <i>Ellesmere Port, United Kingdom</i>
The level of the qualitative and the quantitative malnutrition in patients suffering from the critical limb ischaemia (T)	Anna Danowska, <i>Warszawa, Poland</i>
Vascular fellow and resident experience performing open surgery and endovascular surgery during training in a single center in the south of Brazil (S)	Ricardo Bernardo, <i>Londrina, Brazil</i>
Progression of peripheral arterial disease in the elderly living in remote rural areas with limited health care access: Impending danger of limb loss? (T)	Elena Domuschieva, <i>Burgas, Bulgaria</i>
Role of duplex guided infragenicular agioplasty in saving limbs (T)	Sameh Elimam, <i>Cairo, Egypt</i>
National Medical Center “20 de Noviembre” experience with drug-coated balloons in peripheral arterial disease (T)	Nelson Encarnacion Santana, <i>Mexico City, Mexico</i>
Anthropometric measures in intermittent claudication and critical limb ischaemia (S)	Joana Ferreira, <i>Guimarães, Portugal</i>
Early and long-term results of endovascular treatment of supra aortic trunks aneurysm (T)	Cristina Galeandro, <i>Bari, Italy</i>
The role of endovascular treatment in vascular complications of behcet disease—a case report (T)	Pedro Garrido, <i>Amadora, Portugal</i>
Outcomes of hybrid procedures for peripheral arterial disease: 5-year single center experience (S)	Stefany Gonzalez de Leo, <i>Mexico City, Mexico</i>
Exercise programme for intermittent claudication: Medway maritime hospital study (T)	HJ Hammawa, <i>Coventry, United Kingdom</i>
Ultrasound-guided recanalisation of an occluded femoropopliteal bypass (S)	Christian Jacke, <i>Essen, Germany</i>
Occupational true ulnar artery aneurysm in a “gamer”: In a modern age, it is time for new medical terms (S)	Vuk Jokovic, <i>Kragujevac, Serbia</i>
High platelet reactivity and low platelet response to aspirin in patients with peripheral arterial disease treated with percutaneous transluminal angioplasty (PTA) of the arteries of lower limbs: A single-centre study (T)	Michal Juszynski, <i>Warsaw, Poland</i>
Surgical technique of Impella 5.0 ventricular assist device transaxillary artery placement (T)	Maria Katsarou, <i>Milan, Italy</i>
Bypass to nowhere: Blind tibial artery as the only target vessel for limb salvage (S)	Pavel Kuryanov, <i>Saint Petersburg, Russia</i>

Successful endovascular treatment of an acutely thrombosed popliteal aneurysm with an anterior tibial artery anatomical variation using IVUS as an adjunct (S)	María Pilar Lamarca Mendoza, <i>Toledo, Spain</i>
Post traumatic ruptured deep femoral artery branch pseudoaneurysm: A limb- and life-threatening case (T)	Luv Luthra, <i>Bangalore, India</i>
Role of catheter-directed thrombolysis in patients with acute on chronic limb ischaemia due to Buerger's disease with no distal reformation (T)	M Sridhar, <i>Chennai, India</i>
Combined endovascular exclusion with percutaneous sac aspiration and thrombin injection in the management of symptomatic peripheral (pseudo) aneurysms (T)	Mario Moreira, <i>Maia, Portugal</i>
Endovascular patient with renal insufficiency – techniques that need minimum volume of iodine contrast (S)	Piotr Myrcha, <i>Warsaw, Poland</i>
Drug coated balloons in btk disease – an Indian perspective (S)	Sheth Rahul, <i>Mumbai, India</i>
Persistent sciatic artery syndrome: Report of two cases (T)	Sohiel Nagib, <i>Alexandria, Egypt</i>
Modified surgical approach to treat thoracic outlet compression syndrome: The venetian blind technique (T)	Ali Navi, <i>London, United Kingdom</i>
Massive left thigh high-flow arteriovenous malformation (T)	Antonio Neves, <i>Porto, Portugal</i>
Peripheral vascular disease in women in Argentina: More serious, under-recognised and undertreated (S)	Sebastian Peralta, <i>Buenos Aires, Argentina</i>
New technique: Prosthetic axillofemoral bypass under the muscle at the inguinal and abdominal area to avoid infection (S)	Matti Pokela, <i>Oulu, Finland</i>
Using stent grafts for the treatment of arterial injuries caused by penetrating trauma to the extremities (T)	Mohamed Rizk, <i>Cairo, Egypt</i>
Diagnosis and treatment of patients with congenital vascular anomalies: The value of an interdisciplinary vascular anomaly center for dedicated management (S)	Maliha Sadick, <i>Mannheim, Germany</i>
Pediatric vascular trauma experience: 10-year review (T)	Ronza Salem, <i>Jerusalem, Israel</i>
Hybrid technique in treating pectoralis minor type of thoracic outlet (T)	Sohiel Nagib, <i>Alexandria, Egypt</i>
Experience of hybrid revascularisations over a period of two years at the Centre for Cardiovascular Surgery in Vienna, Austria (T)	Karin Elisabeth Schmidt, <i>Vienna, Austria</i>
Idiopathic proximal ulnar artery aneurysm – a case report (T)	Roshan Rodney Sengodan, <i>Coimbatore, India</i>
Infection risk in vascular surgery; a wound based classification (S)	Sulaiman Shoab, <i>Preston, United Kingdom</i>
Low velocity rotational arterectomy with variable tip radius for chronic total occlusions: Preliminary results of a CE-mark trial (S)	Joerg Tessarek, <i>Lingen, Germany</i>
Sarcomatous degeneration of thrombosed arterialised venous graft (T)	Carlos Veterano, <i>Porto, Portugal</i>
Tibiopedal retrograde access for treatment of critical limb ischaemia. Experience at a vascular centre in Mexico City (T)	Fausto Julian Virgen Barron, <i>Álvaro Obregón, Mexico</i>

Acute Stroke E-posters

Two strategies in patients with severe bilateral carotid stenosis in cardiac surgery plan (S)	Fernando Belcastro, <i>Buenos Aires, Argentina</i>
Endovascular treatment of rare supra-aortic steal syndrome (T)	Nelson Camacho, <i>Lisbon, Portugal</i>
External to internal carotid transposition to treat a symptomatic internal carotid aneurysm: An open surgical challenge on the endovascular era (T)	Nelson Camacho, <i>Lisbon, Portugal</i>

Internal carotid artery surgical repair in patients with contralateral occlusion (S)	Mikhail Chernyavskiy, <i>St Petersburg, Russia</i>
Early carotid endarterectomy in symptomatic patients (T)	Cristina Galeandro, <i>Bari, Italy</i>
Diagnosis and treatment of carotid body tumors. Monocentric experience (S)	Gaetano La Barbera, <i>Bagheria, Italy</i>
Somato-sensory evoked potentials reduces shunt incidence during carotid endarterectomy (S)	Marco Leopardi, <i>L'Aquila, Italy</i>
Evaluation of [18F]NaF uptake in symptomatic and asymptomatic carotid plaques and assessment of predictive vulnerable plaque patterns (T)	Marta Mari, <i>Padua, Italy</i>
A case series about the changed antiplatelet protocol for carotid endarterectomy in a teaching hospital: More patients with complications? (T)	Martijn Marsman, <i>Leeuwarden, Netherlands</i>
One-year result of stent graft for carotid artery pseudoaneurysm in Behcet's disease patients (S)	Ahmed Naga, <i>Alexandria, Egypt</i>
The effect of carotid revascularisation on the ophthalmic artery flow (T)	Petroula Nana, <i>Larissa, Greece</i>
The role of operative volume on outcomes for carotid endarterectomy: An analysis of UK hospital and surgeon level data (T)	Guy Martin, <i>London, United Kingdom</i>
Endovascular treatment of a tracheo-carotid artery fistula through a covered stent placement in the common carotid artery (S)	Maria Antonella Ruffino, <i>Turin, Italy</i>
Utility of ferumoxytol-enhanced three-dimensional magnetic resonance imaging of carotid atheroma – feasibility and temporal dependence study (T)	Umar Sadat, <i>Cambridge, United Kingdom</i>
Prediction of coronary calcium in the development of carotid disease (S)	Orlando Gabriel Perea, <i>Buenos Aires, Argentina</i>
Off-label implantation of Viabahn balloon-expandable stent graft to treat supra-aortic trunk obstructive lesions: A case series of three patients (S)	Carlo Maturì, <i>Padova, Italy</i>
Application of sinus-saving modification of carotid endarterectomy for prevention postoperative complications caused by destabilisation of central haemodynamic (T)	Georgii Treilger, <i>Russia</i>
Volumetric assessment of extracranial carotid artery aneurysms (T)	Constance van Laarhoven, <i>Utrecht, Netherlands</i>

Abdominal Aortic E-posters

Primary ilio-enteric fistula caused by a ruptured aortoiliac aneurysm: Emergent endovascular treatment (T)	Ines Antunes, <i>Porto, Portugal</i>
Contrast-free approach of patients with abdominal aortic disease and renal insufficiency (S)	Giulia Bernardini, <i>Florence, Italy</i>
The importance of nurse's telephone call based on a protocol after patient's hospital discharge: A case report in Londrina/PR-Brazil (S)	Ricardo Bernardo, <i>Londrina, Brazil</i>
An original bailout solution for renal artery dissection after FEVAR (T)	Alice Lopes, <i>Porto, Portugal</i>
A new approach to endovascular aneurysm repair surveillance with contrast-enhanced ultrasound (S)	Claudio Castagno, <i>Turin, Italy</i>
Non contrast computed tomography for preoperative endovascular aortic repair planning: Impact on early and mid-term outcomes (S)	Mariano Castelli, <i>Buenos Aires, Argentina</i>
Percutaneous groin access for EVAR in ruptured abdominal aortic aneurysm: The experience in Burapha University Hospital (S)	Trakarn Chaivanit, <i>Chonburi, Thailand</i>
Late open conversion after EVAR. Aortic banding as a safe and effective procedure in patients with late endoleak type I (S)	Piotr Ciostek, <i>Warszawa, Poland</i>
Mid-term complications after endovascular aneurysm sealing with the Nellix system: Incidence, clinical significance and potential causes; a single-centre experience (S)	Ombretta Martinelli, <i>Rome, Italy</i>
Endovascular repair of saccular infrarenal AAAs using custom-made unibody conical endografts. Is it time for a rebirth of the aortoaortic concept? (T)	Mario D'Oria, <i>Torricella, Italy</i>
Analysis of the morbimortality results and costs in a reference center for the correction of abdominal, pararenal and thoracic aortic aneurysms in a city in the south of Brazil (S)	Ricardo Bernardo, <i>Londrina, Brazil</i>
Endovascular exclusion of endoleak type I-B: A case report (T)	Nelson Encarnacion Santana, <i>Mexico City, Mexico</i>
Predictors of late type Ia endoleak (S)	Luis Mariano Ferreira, <i>Buenos Aires, Argentina</i>
The novel aorto-aortic-uni-Nellix configuration: An off-the-shelf endovascular solution for aneurysms with adjacent extremely narrow aorta (S)	Triantafyllos Giannakopoulos, <i>Piraeus, Greece</i>
Single-centre experience with covered endovascular reconstruction of aortic bifurcation: Two-year results (S)	Rocco Giudice, <i>Roma, Italy</i>
Majority of elective small aneurysm repairs still fall within current SVS guidelines (T)	Thomas Heafner, <i>Rochester, United States</i>
Endovascular repair of hostile neck abdominal aortic aneurysm: A case report (T)	Nelson Encarnacion Santana, <i>Mexico City, Mexico</i>

Outcome of total percutaneous endovascular aortic repair with the Perclose proGlide technique (S)	Simone Hofer, <i>Chur, Switzerland</i>
Evaluating risk factors for contrast-induced nephropathy (CIN) and application of existing risk prediction models for CIN in an Asian population undergoing EVAR (S)	Qiantai Hong, <i>Singapore</i>
Renal function in endovascular aneurysm sealing repair: A retrospective analysis (T)	Fahad Iqbal, <i>London, United Kingdom</i>
Type II endoleaks: A sheep can become a wolf (S)	Gaetano La Barbera, <i>Bagheria, Italy</i>
A new fully automated imaging software to characterise abdominal aortic aneurysms properties (T)	Fabien Lareyre, <i>Cannes, France</i>
Endovascular management of isolated mycotic aneurysms of common iliac artery (S)	Benjamin Dak Keung Leong, <i>Sabah, Malaysia</i>
Superior mesenteric artery open surgical revascularisation: A single-centre experience (S)	Sandeep Mahapatra, <i>Hyderabad, India</i>
Endovascular options of treating iliac aneurysms (S)	Marek Majewski, <i>Creteil, France</i>
Use of the transbrachial approach with regular radial sheath as an alternative method in the management of aortoiliac occlusive arterial diseases (T)	Sohiel Nagib, <i>Alexandria, Egypt</i>
Factors associated with increased incidence of rupture in large (>80mm) AAA (T)	Petroula Nana, <i>Larissa, Greece</i>
Use of EndoAnchors in Asian patients with short-neck abdominal aortic aneurysms who are not suitable for fenestrated repairs: A tertiary centre early experience (S)	Qiantai Hong, <i>Singapore</i>
Out of IFU EVAR with Incraft in extremely narrow (<16 mm) aortic bifurcation: A multicentre experience (T)	Matteo Orrico, <i>Roma, Italy</i>
CD40L and CD105 as predictive biomarkers for AAA development: A pilot study (S)	Nikolaos Patelis, <i>Athens, Greece</i>
Short-stay EVAR: Which patients are suitable? (T)	Ryan Preece, <i>London, United Kingdom</i>
Impact of baseline renal function on the five-year mortality in octogenarians undergoing EVAR followed up with CT angiogram (T)	Sriram Rajagopalan, <i>Crewe, United Kingdom</i>
Endovascular stenting of spontaneous isolated dissection of superior mesenteric artery (SID-SMA): A case report (T)	Roshan Rodney Sengodan, <i>Coimbatore, India</i>
Endoleak type II: How difficult can it be to treat? (T)	Tiago Soares, <i>Matosinhos, Portugal</i>
An alternative way to treat iliac aneurysm (S)	Domenico Spinelli, <i>Messina, Italy</i>
Extra indications for fenestrated or branched stent grafts (S)	Malgorzata Szostek, <i>Warsaw, Poland</i>
Adjuncts to suture-based vascular closure devices increase successful femoral closure rate in percutaneous endovascular aneurysm repair (S)	Selva Theivacumar, <i>Harrow, United Kingdom</i>
Clinical and cost-effectiveness of open vs. endovascular repair for ruptured abdominal aortic aneurysm: 10-year single-centre experience of Japan (S)	Yukio Umeda, <i>Gifu, Japan</i>
Long-term outcome of transarterial embolisation for persistent type II endoleak after endovascular abdominal aortic repair (S)	Masato Yamaguchi, <i>Kobe, Japan</i>

Thoracic Aortic E-posters

Embolisation with Amplatzer vascular plug for a pseudoaneurysm resulting from surgical repair of recurrent aortic coarctation (T)	Mohamed Ben Hammamia, <i>Tunis, Tunisia</i>
Endovascular and hybrid treatment of the thoracic and thoracoabdominal aortic aneurysms and dissections (T)	Pavel Bondarenko, <i>St. Petersburg, Russia</i>
Endovascular treatment of traumatic thoracic aortic lesions (S)	Giuseppe Deiana, <i>Cagliari, Italy</i>
Device conformability after thoracic endovascular aortic repair: A single-centre experience (S)	Jose Antonio del Castro Madrazo, <i>Oviedo, Spain</i>
Strategies to minimise risk of spinal cord injury during complex endovascular aortic repair (S)	Luis Mariano Ferreira, <i>Buenos Aires, Argentina</i>
Aortic remodelling effect of Zenith dissection endovascular system on acute type B aortic dissection with patent false lumen (S)	Kenichi Hashizume, <i>Shinagawa, Japan</i>
Covered endovascular repair of innominate artery bifurcation after blunt thoracic trauma (T)	Antonio Neves, <i>Porto, Portugal</i>
Outcomes of thoracic endovascular aortic repair for retrograde type A acute aortic dissection (S)	Atsushi Omura, <i>Suita, Japan</i>
Geometric and haemodynamic analysis of abdominal branches after complex endovascular aneurysm repair (S)	Enrique María San Norberto García, <i>Valladolid, Spain</i>
Avoiding arch manipulation with catheterisation of left subclavian artery for endovascular repair of distal descending aorta (S)	Sahin Senay, <i>Istanbul, Turkey</i>
Outcomes of surgeon-modified fenestrated endograft repair for juxtarenal aortic aneurysm (S)	Luis Mariano Ferreira, <i>Buenos Aires, Argentina</i>
Aortic pathology in HIV: Review of the literature (S)	Valeria Silvestri, <i>Latina, Italy</i>

Endovascular treatment of type B aortic dissection in end-stage renal disease (T)
Min Zhou, Shanghai, China

Venous E-posters

Assessment of ethnic disparities in pain scores during varicose vein ablation (T)
Amish Acharya, London, United Kingdom

One-year outcome of combine mechanical thrombectomy and catheter-directed thrombolysis for the management acute DVT (S)
Dyah Wulan Anggrahini, Yogyakarta, Indonesia

Endovascular management of chronic iliofemoral venous thrombosis: A systematic review and meta-analysis (S)
Christos Argyriou, Alexandroupolis, Greece

Iliac vein stenting for non-thrombotic iliac vein lesions and post-thrombotic syndrome in an Asian population (S)
Rhan Chaen Chong, Singapore

Adrenal vein sampling for primary aldosteronism: Long-term experience from a national referral centre (S)
Anita Dobrovolec, Velenje, Slovenia

Ultrasound-guided catheter-directed thrombolysis (S)
Joana Ferreira, Guimarães, Portugal

Can vein patch interposition after sapheno-femoral ligation prevent postoperative neovascularisation at the saphenofemoral junction? (S)
Asser Abd El-Hamid Goda, Cairo, Egypt

Venous leg ulcers: Review of predictors for poor healing and the importance of ulcer location (S)
Alejandro Jose Gonzalez Ochoa, San Luis, Mexico

Right ventricular free wall longitudinal strain and tricuspid regurgitation jet velocity for predicting right heart failure and mortality in acute pulmonary embolism (S)
Fatih Gumus, Ankara, Turkey

Radiofrequency ablation of isolated calf perforator reflux; a simple and highly effective treatment for resistant venous ulcers (S)
Nalaka Gunawansa, Colombo, Sri Lanka

Skin taping has the potential to reduce the inflammatory side effects of pain and pigmentation following foam sclerotherapy (S)
Evi Kalodiki, London, United Kingdom

Concomitant sclerotherapy during endovenous laser ablation
Mingli Li, Taichung, Taiwan

Role of MTHFR mutation in clinical manifestation of acute massive bilateral DVT in young male (S)
Dyah Wulan Anggrahini, Yogyakarta, Indonesia

One-year sonographic follow-up of using 1% polidocanol endovenous microfoam for sapheno-femoral trunk vein and lower leg varicose veins in China Medical University Hospital (T)
Chia-Ying Lin, Taichung, Taiwan

Five-year patency outcomes following deep venous stenting (S)
Kemal Kemal, Nottingham, United Kingdom

The reflux duration increases with the gap width on a 2D computational model of the popliteal venous valve (S)
Dmitrii Rosukhovskii, St Petersburg, Russia

Challenging management of various non-varicose diseases: A representative selection of cases (S)
Frank Meyer, Magdeburg, Germany

Does superficial vein size correlate to advanced venous disease? A single-centre experience (T)
Vimalin Samuel, Vellore, India

Biochemical endothelial injury detection of sapheno-femoral junction in endovenous laser ablation of varicose veins (T)
Sohiel Nagib, Alexandria, Egypt

Compression therapy in lymphedema: Is it cost-effective? (S)
Waliel Khareba, Cairo, Egypt

Is popliteal vein compression a main cause of DVT? (T)
Sohiel Nagib, Alexandria, Egypt

Aspirin is more effective than LMWH in prevention of rethrombosis in pregnancy (S)
Mosaad Soliman, Mansoura, Egypt

Central venous occlusive disease in haemodialysis patients. What to do when the dialysis fistula is quickly occluded after reintervention? (S)
Ewa Swiecka, Berlin, Germany

Endovascular treatment of deep vein thrombosis following renal transplant (S)
Dyah Wulan Anggrahini, Yogyakarta, Indonesia

eCAT: Hybrid treatment of lower limb varicose vein (S)
Waliel Khareba, Cairo, Egypt

Laser treatment of the Giacomini vein (S)
Nicolas Neaume, Toulouse, France

Residual reflux despite technical successful treatment of great saphenous vein incompetence using plethysmography and Duplex ultrasound: One-year data (T)
Oskar Nelzen, Linköping, Sweden

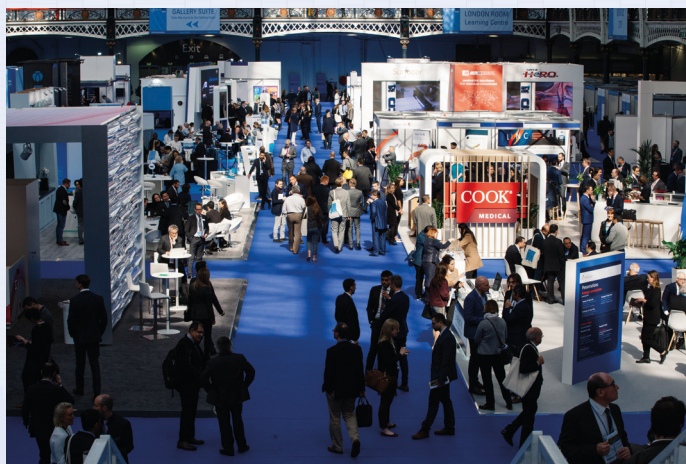
Inferior vena cava filter thrombosis. 10 years' experience (T)
Sohiel Nagib, Alexandria, Egypt

Embolisation of peripheral arteriovenous malformations in a low-cost setting
Pranay Pawar, Chennai, India

A large fluid collection after mechanochemical ablation for treatment of saphenous vein reflux, unusual case presentation
Kunwoo Kim, Songpa, Seoul, South Korea

Vena cava filter deployment prior to percutaneous endovenous therapy for proximal lower limb deep venous thrombosis: Should we routinely practice?
Mohamed Ismail, Cairo, Egypt

Sclerotherapy of lymphangioma in children: Report of three cases
Sohiel Nagib, Alexandria, Egypt



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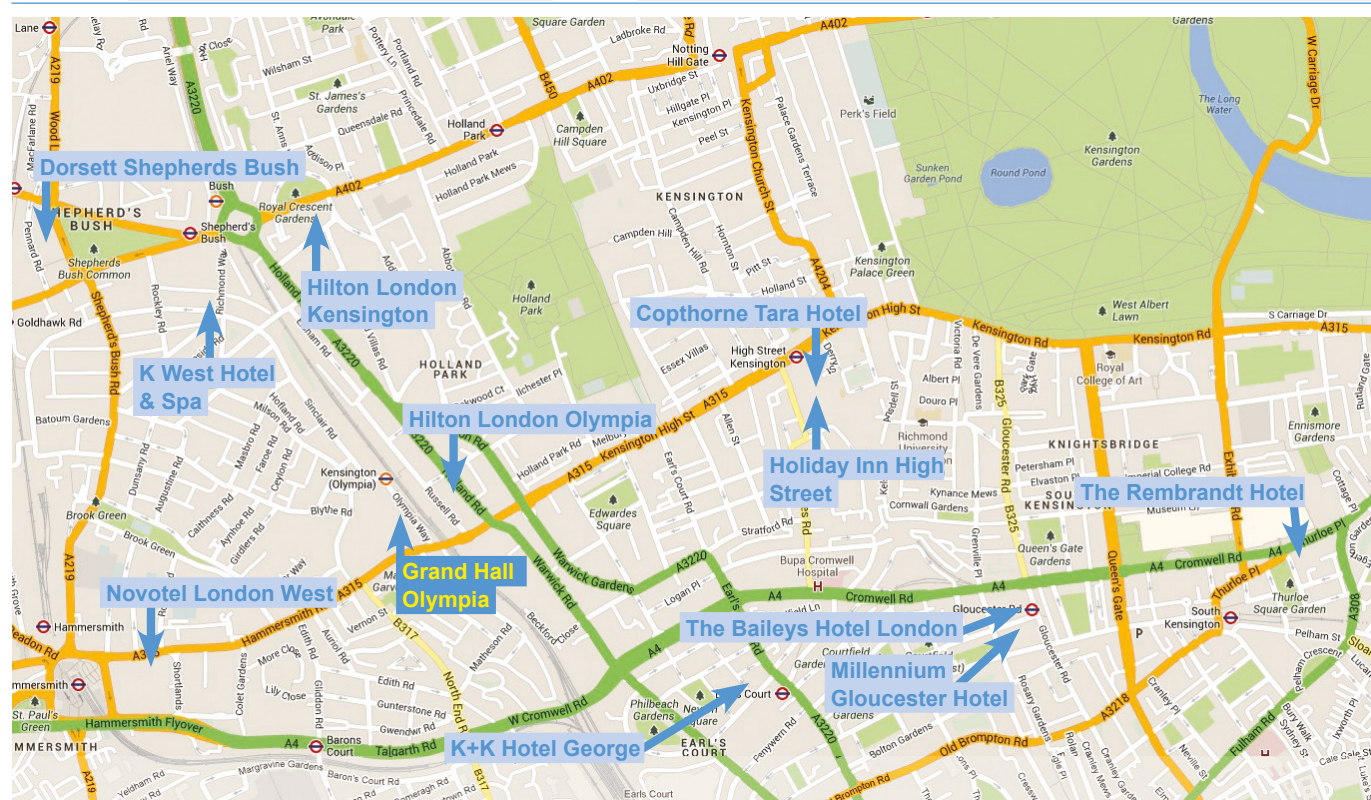
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