



21–24 APRIL 2020
TUESDAY–FRIDAY
OLYMPIA LONDON • UNITED KINGDOM



2ND ANNOUNCEMENT



EDUCATION INNOVATION EVIDENCE



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Faculty

Said Abisi, London, United Kingdom	Meryl Davis, London, United Kingdom	Andrew Holden, Auckland, New Zealand	Mikael Mazighi, Créteil, France	Antonio Joaquim Serra de Freitas, São Paulo, Brazil
Naseer Ahmad, Manchester, United Kingdom	Gert Jan de Borst, Utrecht, Netherlands	Peter Holt, London, United Kingdom	Charles McCollum, Manchester, United Kingdom	Robert Shahverdyan, Hamburg, Germany
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Jorge Amorim, São Paulo, Brazil	Brian DeRubertis, Los Angeles, United States	Osamu Iida, Amagasaki, Japan	Germano Melissano, Milan, Italy	Cliff Shearman, Southampton, United Kingdom
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Petra Apell, Gothenburg, Sweden	Konstantinos Donas, Münster, Germany	Ounali Jaffer, Walton on Thames, United Kingdom	Gaspar Mestres, Barcelona, Spain	Mitchell Silver, Columbus, United States
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Christopher Aylwin, London, United Kingdom	João Luiz Elesbao, Porto Alegre, Brazil	Michael Jenkins, London, United Kingdom	Kamran Modaresi, London, United Kingdom	Kaji Sritharan, Liverpool, United Kingdom
Ali Azizzadeh, Los Angeles, United States	Steve Elias, Englewood, United States	Robert Jones, Birmingham, United Kingdom	Arvind Mohan, Caterham, United Kingdom	Adam Stannard, Yarm, United Kingdom
Darryl Baker, London, United Kingdom	William Ennis, Chicago, United States	Matthieu Josnin, La Roche sur Yon, France	Frans Moll, Utrecht, Netherlands	Tim Stansfield, Leeds, United Kingdom
Rupert Bauersachs, Darmstadt, Germany	Ignacio Escotto Sánchez, Mexico City, Mexico	Peter Jüni, Ontario, Canada	Samuel Money, Phoenix, United States	Kate Steiner, Stevenage, United Kingdom
Christian-Alexander Behrendt, Hamburg, Germany	Mohammad Eslami, Pittsburgh, United States	Lowell Kabnick, New York, United States	Hayley Moore, London, United Kingdom	Ru Yu Tan, Singapore, Singapore
Rachel Bell, London, United Kingdom	Dominique Fabre, Paris, France	Nicole Kaiser, Delran, United States	Robert Morgan, London, United Kingdom	Arine Ten Cate, Maastricht, Netherlands
Filippo Benedetto, Messina, Italy	Marten Falkenberg, Gothenburg, Sweden	Narayan Karunanithy, London, United Kingdom	Paul Moxey, London, United Kingdom	Gunnar Tepe, Rosenheim, Germany
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Ong Chee Wui, Singapore	Franco Grego, Padua, Italy	Ian Loftus, London, United Kingdom	Sophie Renton, London, United Kingdom	Teun Wilmink, Birmingham, United Kingdom
Christopher Cheng, Stanford, California	Marcus Gress, Rio de Janeiro, Brazil	Charmaine Lok, Toronto, Canada	Timothy Resch, Malmö, Sweden	Emma Wilton, Oxford, United Kingdom
Roberto Chiesa, Milan, Italy	Martin Griffiths, London, United Kingdom	Nicolas Louis, Nîmes, France	Robert Rhee, New York, United States	Therese Wykoff, Boulder, United States
Edward Choke, Singapore	Alison Halliday, Oxford, United Kingdom	Alan Lumsden, Houston, United States	Vincent Rimbau, Barcelona, Spain	Thomas Wyss, Bern, Switzerland
Andrew Choong, Singapore	Claudine Hamet-Desnos, Caen, France	Sean Lyden, Cleveland, United States	Götz Richter, Stuttgart, Germany	Dai Yamanouchi, Madison, United States
Enrico Cieri, Perugia, Italy	Jennifer Hanko, Belfast, United Kingdom	Lindsay Machan, Vancouver, Canada	Celia Riga, London, United Kingdom	Patricio Zaefferer, Buenos Aires, Argentina
Daniel Clair, Columbia, United States	Donald Harris, Madison, United States	Vladimir Makaloski, Bern, Switzerland	Steven Rogers, Manchester, United Kingdom	Thomas Zeller, Bad Krozingen, Germany
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Trevor Cleveland, Sheffield, United Kingdom	Robert Hatala, Bratislava, Slovakia	Alexandros Mallios, Paris, France	Maria Antonella Ruffino, Turin, Italy	
Andrew Clifton, London, United Kingdom	Stéphan Haulon, Paris, France	Misti Malone, Silver Spring, United States	Nirvana Sadaghianloo, Nice, France	
Rachel Clough, London, United Kingdom	Paul Hayes, Cambridge, United Kingdom	Kevin Mani, Uppsala, Sweden	Hazim Safi, Houston, United States	
Giovanni Coniglio, Catania, Italy	Joerg Heckenkamp, Osnabrück, Germany	Armando Mansilha, Porto, Portugal	Sandip Sarkar, London, United Kingdom	
Frank Criado, Baltimore, United States	Adrien Hertault, Lille, France	Chris Manu, London, United Kingdom	François Saucy, Lausanne, Switzerland	
Martin Czerny, Freiburg, Germany	Jan Heyligers, Tilburg, Netherlands	Bertrand Marcheix, Toulouse, France	Bruno Scheller, Hornburg, Germany	
Ronald Dalman, Stanford, United States	Robert Hinchliffe, Bristol, United Kingdom	Hugh Marks, Cambridge, United Kingdom	Marc Schermerhorn, Boston, United States	
Clement Darling III, Albany, United States	Jade Hiramoto, San Francisco, United States	Marcos Martins, Manaus, Brazil	Peter Schneider, Honolulu, United States	
Ross Davenport, London, United Kingdom	Kim Hodgson, Springfield, United States	Blandine Maurel, Nantes, France	Eric Secemsky, Boston, United States	
Alun Davies, London, United Kingdom	Rusty Hofmann, California, United States	Gary Maytham, London, United Kingdom	Thomas Serena, Cambridge, United States	

Industry Speakers

Martijn Cox, Zurich, Switzerland
John Edoga, New Jersey, United States
Jeffrey Jump, Mont-sur-Rolle, France
Bob Mitchell, Las Vegas, United States
Chas Taylor, Horsham, United Kingdom

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



Stéphane 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



Robert Hinchliffe

Professor of Vascular Surgery at University of Bristol and Vascular Surgeon at North Bristol NHS Trust, Bristol, UK

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



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

Acute Stroke



Hugh Markus

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



Barbara Rantner

Vascular surgeon, Department of Vascular and Endovascular Surgery, Ludwig Maximilians University Munich, Munich, Germany

Vascular Access



Nicholas Inston

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



Domenico Valenti

Consultant Vascular Surgeon and Honorary Senior Lecturer at King's 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

Major Vascular Trauma



Christopher Aylwin

Consultant Vascular and Trauma Surgeon, Imperial College Healthcare NHS Trust, London, UK



Ross Davenport

Consultant Trauma and Vascular Surgeon, Barts Health NHS Trust & Senior Lecturer, Centre for Trauma Sciences, QMUL, London, UK

Vascular Malformations



Jocelyn Brookes

Consultant Endovascular Radiologist, Lead Clinician for Vascular Malformations at Royal Free Hospital, Interventional Radiologist at University College Hospital, London, UK

CX Aortic Workshop



Kevin Mani

Professor of Vascular Surgery at Uppsala University and Consultant Vascular Surgeon at Uppsala University Hospital, Uppsala, Sweden



Anna Prent

Consultant Vascular Surgeon at Royal Free London NHS Foundation Trust, London, UK

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Venous & Lymphatic



Alun Davies

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

Acute Stroke



Ross Naylor

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



Alison Halliday

Professor of Vascular Surgery, University of Oxford, Oxford, UK

Recruitment to Vascular Specialty



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

Peripheral Arterial



Cliff Shearman

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



Trevor Cleveland

Consultant Vascular Radiologist and Honorary Senior Lecturer at Sheffield Teaching Hospitals NHS Foundation Trust, Sheffield, UK

Aortic



Frank Vermassen

Professor in Vascular and Thoracic Surgery Department of Vascular Surgery at Ghent University Hospital, Ghent, Belgium



Janet Powell

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



Eric Verhoeven

Chief, University Department of Vascular and Endovascular Surgery, Paracelsus Medical University, General Hospital Nuremberg, Nuremberg, Germany



We are pleased to invite you to join us once again in London, UK, for the Charing Cross International Symposium 2020, the leading vascular symposium where **education**, **innovation** and **evidence** come together.

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, our world-class faculty focuses on reaching **consensus** in all aspects of the management of vascular disease. In 2020, we introduce a new session, Major Vascular Trauma, including talks on aortic, pelvis and extremity, and neck trauma.

The programmes for the Aortic, Peripheral Arterial, Venous & Lymphatic, Acute Stroke, Vascular Access and iWounds have been designed in sequence rather than in parallel so that CX attendees can maximise their participation in their favourite educational track.

We look forward to welcoming you to CX 2020!

Roger Greenhalgh, on behalf of the CX Executive Board

Tuesday 21 April 2020

**PERIPHERAL PROXIMAL ARTERIAL ISCHAEMIA
CONSENSUS**

Upper Main Auditorium

Consensus on preoperative considerations

The global anatomic staging system (GLASS) in the global vascular guideline on the management of chronic limb threatening ischaemia (CLTI): A critical appraisal
Frank Vermassen, Ghent, Belgium

Vascular entrapment syndromes
Lindsay Machan, Vancouver, Canada

VOYAGER: The role of rivaroxaban in PAD lower extremity revascularisation patients
Rupert Bauersachs, Darmstadt, Germany

Techniques and outcomes

CX Debate: Common femoral artery disease occlusion: The ostium of the profunda femoris artery should be treated with open surgery
For the motion: Matthew Menard, Boston, United States
Against the motion: Gary Ansel, Columbus, United States

A National Vascular Quality Improvement Program is needed to promote appropriate patient care and optimal outcomes
Kim Hodgson, Springfield, United States, President SVS

AMBUVASC: A RCT comparing conventional versus ambulatory for endovascular procedures of lower extremity peripheral artery disease
Yann Gouëffic, Nantes, France

Popliteal artery

Current treatment of popliteal artery aneurysms – report from >10.000 treated patients in 14 countries
Martin Björck, Uppsala, Sweden

Duplex findings of popliteal artery entrapment: The difference between the asymptomatic population, asymptomatic elite athletes and symptomatic patients
Steven Rogers, Manchester, United Kingdom

Vessel preparation

Calcifications are not just calcifications in peripheral arteries
Yann Gouëffic, Nantes, France

Evidence-based treatment algorithm for the superficial femoral artery
Marc Bosiers, Dendermonde, Belgium

COFFEE AND VISIT TO HANDS-ON WORKSHOPS

Coffee Symposium**Paclitaxel-coated device
consensus update****CX2020
HIGHLIGHT**

In January 2020, a new meta-analysis published in the Journal of Vascular and Interventional Radiology (JVIR) suggested a higher risk of death or amputation in chronic limb-threatening ischaemia patients when paclitaxel-coated balloons are used in infrapopliteal arteries. This follows a previous meta-analysis, published in December 2018 in the Journal of the American Heart Association (JAHA), suggesting higher mortality in femoropopliteal disease patients treated with paclitaxel-coated devices.

CX 2020 will dedicate a special session to distil the science from the hype, and tease out the evidence from the opinion – all the while keeping patients, and their physicians, front and centre. This special session will include input from the world-class CX Faculty, the regulatory bodies and from our expert audience.

TEA AND VISIT TO HANDS-ON WORKSHOPS

Tea Symposium**Consensus on intervention**

Preliminary results of the real world, multicenter, prospective, investigator initiated trial on Covered Endovascular Reconstruction of Aortic Bifurcation (CERAB) for extensive aortoiliac occlusive disease
Maria Antonella Ruffino, Turin, Italy

First-in-man study on the clinical use of a sirolimus-coated balloon in infrainguinal PAD
Edward Choke, Singapore

Treatment of iliac occlusive disease with new balloon-expandable endoprosthesis
Benjamin Pearce, Chicago, United States

The role of female gender on iliac stenting
Franco Grego, Padova, Italy

PTFE grafts with bonded heparin have patencies approaching those of saphenous vein grafts for lower extremity bypasses
Raffaele Pulli, Bari, Italy

Longer follow-up for PAD patients who have had interventions is needed
Marianne Brodmann, Graz, Austria

A new fast-track thrombolysis protocol for acute lower extremity arterial occlusion
Enrico Ascher, New York, United States

VANQUISH trial – One-year results and the importance of vessel sizing
Osamu Iida, Amagasaki, Japan

Additional Peripheral Arterial activities

Peripheral Podium 1st Session Thursday 23 April	Page 8
Peripheral Critical Ischaemia Consensus Thursday 23 April	Page 8
CX Peripheral Techniques & Technologies Wednesday 22 April	Page 14
LINC@CX Wednesday 22 April	Page 12
CX Peripheral Workshop Tuesday 21 April and Wednesday 22 April	Page 14
CX Peripheral Global Stars and Rising Stars	Page 14
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**CX 2020 highlights**

- Tuesday to Friday programme
- Major Vascular Trauma Session
- Special Highlight sessions on paclitaxel-coated devices below the knee and NICE Abdominal Aortic Aneurysm guidelines and EVAR durability
- Dedicated Vascular Ultrasound session
- Dedicated Vascular Nursing session
- Evening reception at Stamford Bridge, home of Chelsea Football Club (Thursday, 23 April 2020)
- Peripheral Arterial, Abdominal Aortic and Thoracic Aortic Podium 1st sessions
- Second year of interdisciplinary iWounds programme including hands-on workshop
- New CX Aortic Workshop format

Tuesday 21 April 2020

VENOUS AND LYMPHATIC CONSENSUS

Lower Main Auditorium

Miscellaneous venous topics

CX Debate: The treatment of venous disease has become the 'wild west' and urgent restrictions are needed to control overtreatment

For the motion: Manj Gohel, Cambridge, United Kingdom
Against the motion: Gerard O'Sullivan, Galway, Ireland

Implications of inappropriate growth in superficial and deep venous interventions Ramon Varcoe, Sydney, Australia

Trends in prevalence and incidence of venous disorders Marie Josee Van Rijn, Rotterdam, Netherlands

Pelvic venous disease consensus

Clinical assessment and work-up of patients with possible pelvic congestion syndrome Aleksandra Jaworucka-Kaczorowska, Gorzów Wielkopolski, Netherlands

Podium 1st: Coil/foam occlusion for pelvic vein incompetence: Preliminary results from the NIHR Randomised Controlled Trial Charles McCollum, Manchester, United Kingdom

The role of pelvic vein embolisation in treating lower extremity varicosities Lindsay Machan, Vancouver, Canada

Treatment of vulvar varicose veins with foam Irwin Toonder, Maastricht, Netherlands

Lymphoedema consensus

Understanding the physiological basics of venous hypertension and lymphoedema Thom Rooke, Rochester, United States

Gold standard treatment pathways for lymphoedema and lipoedema Sarah Thomis, Leuven, Belgium

COFFEE AND VISIT TO HANDS-ON WORKSHOPS

Coffee Symposium

Superficial venous disease consensus

European Venous Forum guidelines on varicose veins Armando Mansilha, Porto, Portugal

Techniques and tips for optimal outcomes in the treatment of C1 disease Paul Pittaluga, Monaco, France

2020 European Society of Vascular Surgery Venous Thrombosis guidelines – implications for superficial vein thrombosis Manj Gohel, Cambridge, United Kingdom

Great saphenous ablation below the knee: who, when and why Steve Elias, Englewood, United States

The role of compression following treatment of varicose veins Roshan Bootun, London, United Kingdom

Three-year results of a randomised comparison of endovenous laser ablation and foam in SSV insufficiency (French Fovellass study) Claudine Hamel-Desnos, Caen, France

CX Debate: Non-thermal modalities will replace endothermal ablation for superficial venous reflux – it is just a matter of time

For the motion: Kursat Bozkurt, Istanbul, Turkey
Against the motion: Steve Elias, Englewood, United States

Understanding, predicting and preventing skin reactions after cyanoacrylate glue and details of the Spectrum study Kathleen Gibson, Bellevue, United States

Classification and treatment of endothermal heat induced thrombosis: Recommendations from the American Venous Forum Lowell Kabnick, New York, United States

LUNCH AND VISIT TO HANDS-ON WORKSHOPS

Lunch Symposium

Deep venous disease consensus

Consensus on essential components for delivering a deep venous service Gerard O'Sullivan, Galway, Ireland

Designing venous stents to cope with venous anatomy: What is needed below the ligament Christopher Cheng, Stanford, United States

Latest perspectives on the durability of deep venous stents Erin Murphy Charlotte, United States

New validated anatomic classification of chronic venous obstruction of the iliofemoral tract and its clinical implications Houman Jalaie, Aachen, Germany

Optimising patient selection in the treatment of non-thrombotic iliac vein lesions Brian DeRupertis, Los Angeles, United States

Reaching consensus for deep venous interventions – an international Delphi study Rick de Graaf, Friedrichshafen, Germany

Podium 1st: Results from the Clear DVT study Mitchell Silver, Columbus, United States

Defining the role of compression therapy in patients with acute deep vein thrombosis Arine Ten Cate, Maastricht, Netherlands

Podium 1st: Twelve-month results from the ABRE study

Stephen Black, London, United Kingdom

Medical therapy after deep venous interventions

Raghu Kolluri, Columbus, United States

Causes and management of chronic pain after deep vein reconstruction

Jorinde Van Laanen, Maastricht, Netherlands

TEA AND VISIT TO HANDS-ON WORKSHOPS

Tea Symposium

iWounds consensus

iWounds

Which patients with venous leg ulceration should undergo proximal deep imaging? Emma Wilton, Oxford, United Kingdom

Long-term outcomes from the EVRA trial and implications for international practice Alun Davies, London, United Kingdom

A practical approach to patients with swollen legs Thom Rooke, Rochester, United States

Benefits of accelerated diagnostics and leg ulcer care (LUPA study) Stephen Black, London, United Kingdom

Adjuvant wound therapies for intractable venous leg ulceration: Who, when and why? David Bosanquet, Bristol, United Kingdom

Miscellaneous venous topics

We do not need more deep venous devices – just better use of the ones we have Michael Lichtenberg, Amsberg, Germany

A European perspective on key components of training in phlebology Matthieu Josnin, La Roche sur Yon, France

Upper and lower limb lymphoedema ultrasound mapping and staging Sergio Giancesini, Ferrara, Italy

Patient selection and long-term outcomes after venous interventions for erectile dysfunction Siram Narayanan, Singapore

Upper extremity and SVC deep venous recanalisation and stenting: who, when and why Rick de Graaf, Friedrichshafen, Germany

Additional Venous activities

CX Venous Workshop	Page 11
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Wednesday 22 April 2020

ABDOMINAL AORTIC CONSENSUS

Upper Main Auditorium

Preoperative consensus considerations

Sustained prevalence of abdominal aortic aneurysms in spite of marked smoking cessation – results from three randomised controlled screening trials through three decades
Jes Lindholt, Viborg, Denmark

Guideline compliance is associated with improved outcomes for abdominal aortic aneurysm repair
Jens Eldrup-Jorgensen, Portland, United States
CX 2019 Abstract Senior Prize winner

The AAA GetFit Trial
Charles McCollum, Manchester, United Kingdom

Metformin for AAA – the LIMIT trial
Ronald Dalman, Stanford, United States

Randomised controlled trial testing the efficacy of telmisartan to slow the growth of small abdominal aortic aneurysms over 24 months: Results of the TEDY trial
Jonathan Golledge, Townsville, Australia,

Cardiac risk assessment in patients with AAA; a fundamental tool for adequate selection between open and endo repair
Franco Grego, Padova, Italy

Abdominal Aortic Podium
1st sessionCX2020
HIGHLIGHT

Podium 1st: US clinical trial results, new evidence and updated outcomes with low-profile abdominal stent graft
David Murray, Altrincham, United Kingdom

Podium 1st: Long-term follow-up in complex iliac anatomy and hypogastric preservation: The GALICIAN registry
Jorge Fernández Noya, Santiago de Compostela, Spain

Podium 1st: Raising the proximal sealing ring with a new AAA endograft – one-year results from ELEVATE IDE trial
Sean Lyden, Cleveland, United States

Podium 1st: ESAR in a challenging seal zone can be an effective treatment: Early mid-term results
Frank Arko, Charlotte, United States

Podium 1st: Safety and efficacy in the ZEPHYR study of a low-profile AAA endograft – 30-day outcomes
Dittmar Böckler, Heidelberg, Germany

COFFEE AND VISIT TO HANDS-ON WORKSHOPS

Coffee Symposium

Durability of EVAR, sac diameter
and NICE guidelines consensusCX2020
HIGHLIGHT

Open conversion of failed EVAR is the new training ground for open aortic surgery
Michel Makaroun, Pittsburgh, United States

Consensus on the future for EVAR
Michael Jenkins, London, United Kingdom

Ultrasound-surveillance after EVAR is feasible
Maarit Venermo, Helsinki, Finland

Collaborations

Implications of the NICE Aneurysm Guidelines on aneurysm mortality and service provision in the UK and Detection of EVAR sac expansion using ultrasound surveillance (DETECT)
Ian Loftus, London, United Kingdom

The role of the Vascular Society of Great Britain and Ireland
Sophie Renton, London, United Kingdom

The role of the Society of Vascular Technology of Great Britain and Ireland
Kamran Modaresi, London, United Kingdom

Use of novel probe in the community
Mari Murumets, London, United Kingdom

LUNCH AND VISIT TO HANDS-ON WORKSHOPS

Lunch Symposium

Durability of EVAR, sac diameter
and NICE guidelines consensus
(continued)CX2020
HIGHLIGHT

What we know in 2020 about the efficacy and appropriateness of embolisation of type I endoleaks after EVAR
Robert Morgan, London, United Kingdom

Treatment of type II endoleaks
Lindsay Machan, Vancouver, Canada

Contrast-enhanced duplex US for intraoperative assessment of endoleak management
Gustavo Oderich, Rochester, United States

Migration patterns of modern stent grafts – newer stents still migrate, and have defined patterns, which has implications for EVAR planning and follow-up
Colin Bicknell, London, United Kingdom

Progression of neck dilatation of the EVAR landing zone after open repair (DREAM)
Jan Blankensteijn, Amsterdam, Netherlands

Sac regression matters: Driving towards consensus with five-year sac behaviour data
Marc Schermerhorn, Boston, United States

Iliac artery aneurysm consensus

CX Debate: The size threshold for repair of any iliac artery aneurysms should be 4cm

For the motion: Ian Loftus, London, United Kingdom

Against the motion: Fabio Verzini, Turin, Italy

Procedure

Minimising radiation in endovascular repair with real-time 3D visualisation through fibre optic technology
TBA

Routine embolisation of inferior mesenteric artery during endovascular aneurysm repair is not recommended
Maarit Venermo, Helsinki, Finland

Pre-emptive embolisation of the inferior mesenteric artery to prevent type II endoleak – a systematic review and meta-analysis
Kevin Mani, Uppsala, Sweden

Optimised procedural protocol to minimise pitfalls of iliac occlusions
Mauro Gargiulo, Bologna, Italy

TEA AND VISIT TO HANDS-ON WORKSHOPS

Tea Symposium

Abdominal aortic aneurysm guidelines

ESVS 2019 AAA Guidelines – controversies
Anders Wanhainen, Uppsala, Sweden

Differences in size of AAA repair in nine countries and impact on rupture rates
Peter Holt, London, United Kingdom

CX Debate: Abdominal aortic aneurysms with large diameter infrarenal necks (>28mm) should be treated with open or fenestrated endovascular, not standard endovascular repair
For the motion: Hence J M Verhagen, Oegstgeest, Netherlands
Against the motion: Jean-Paul de Vries, Groningen, Netherlands

Centralisation and emergency EVAR consensus

Official centralisation of abdominal aortic aneurysm care improves early clinical outcomes
Vincent Riambau, Barcelona, Spain

CX Debate: Hospitals should provide uninterrupted access to endovascular repair for ruptured abdominal aortic aneurysms, or not at all
For the motion: Thomas Forbes, Toronto, Canada
Against the motion: Colin Bicknell, London, United Kingdom

Design of a complex aortic regional service
Rachel Bell, London, United Kingdom

Misdiagnosed ruptured aortic aneurysm in the emergency department is associated with a high mortality rate
Kristian Smidfelt, Gothenburg, Sweden

Emergency EVAR is the standard of care for ruptured AAA
Hans-Henning Eckstein, Munich, Germany

In a population without screening programme, majority of the RAAA-patients die without reaching hospital. However, screening men at the age of 65-years leave significant proportion of rupture patients outside screening
Maarit Venermo, Helsinki, Finland

Additional Abdominal Aortic activities

CX Aortic Techniques & Technologies (edited cases)	
Tuesday 21 April	Page 12
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Thursday 23 April 2020

THORACIC AORTIC CONSENSUS

Upper Main Auditorium

Aortic arch consensus

Endovascular treatment for aortic arch pathologies: Chimney on-the-table fenestration and in-situ fenestration technique

Ludovic Canaud, Montpellier, France

The value of consideration of open aortic reconstruction

Heinz Jakob, Essen, Germany

Options for left subclavian branch

Gustavo Oderich, Rochester, United States

Feasibility of endovascular arch repair post type A dissection

Kevin Mani, Uppsala, Sweden

Current options and recommendations for the treatment of thoracic aortic pathologies involving the aortic arch: An Expert Consensus Document of the EACTS and the ESVS

Thomas Wyss, Bern, Switzerland

Aortic arch aneurysms: Total endovascular, hybrid, open and elephant trunk – which is best and when

Roberto Chiesa, Milan, Italy

Results of a prospective, multicentre, pilot study evaluating the efficacy and safety of a custom-made thoracic stent graft with proximal scallop for use in the aortic arch

Jean-Marc Alsac, Paris, France

Stroke from Thoracic Endovascular Procedures (STEP)

Gaseous emboli can be prevented by CO2 flushing of delivery systems

Richard Gibbs, London, United Kingdom

The value of DW-MR imaging to reduce strokes

Tilo Kölbel, Hamburg, Germany

Stéphan Haulon, Paris, France, President ESVS

Hugh Markus, Cambridge, United Kingdom

Incidence and predictors of early and mid-term neurological complications following TEVAR

Michele Piazza, Padua, Italy

COFFEE AND VISIT TO HANDS-ON WORKSHOPS

Coffee Symposium**Thoracic Aortic Podium 1st****CX2020
HIGHLIGHT**

Podium 1st: US and French clinical trial results, new evidence and updated outcomes with hybrid device

Bertrand Marcheix, Toulouse, France

Podium 1st: Wrapping of the ascending aorta as an option for acute type A dissections

Stéphan Haulon, Paris, France, President ESVS

Podium 1st: First results from the European SURPASS registry

Giovanni Torsello, Münster, Germany

Thoracic aortic consensus

Multidisciplinary team training is effective in reducing error in theatre – it should be mandatory in vascular units

Colin Bicknell, London, United Kingdom

Endovascular therapy for Takayasu's arteritis

Samuel Money, Phoenix, United States

Radiation

Endovascular team radiation safety performance: More than simply measuring the dose

Bart Doyen, Sint-Amansberg, Belgium

Strategies to reduce radiation and contrast exposure during EVAR and TEVAR procedures

Jörg Tessarek, Lingen, Germany

Modelling the lifetime risk of malignancy associated with low dose radiation exposure after endovascular intervention

Bijan Modarai, London, United Kingdom

LUNCH AND VISIT TO HANDS-ON WORKSHOPS

Lunch symposium**Type B dissection consensus**

CX Debate: Timing of intervention for acute type B dissection – early intervention is less risky in the modern endovascular era

For the motion:

Ian Loftus, London, United Kingdom

Against the motion:

Hans-Henning Eckstein, Munich, Germany

IRAD report on 3,124 type B dissection patients observed over 23 years

Santi Trimarchi, Milan, Italy

CX Debate: Many uncomplicated type B dissections do not need repair

For the motion:

Rachel Clough, London, United Kingdom

Against the motion:

Hans-Henning Eckstein, Munich, Germany

Early and mid-term outcome of contemporary international endovascular treatment for type B aortic dissection

Hailei Li, Shenzhen, China

The frozen elephant trunk technique for acute complicated type B aortic dissection

Martin Czerny, Freiburg, Germany

The frozen elephant trunk technique

Hazim Safi, Houston, United States

Fenestrated endovascular aortic repair has great potential to treat chronically expanding false lumen in aortic dissections

Goetz Richter, Stuttgart, Germany

Branched endovascular aortic aneurysm repair in patients with and without chronic aortic dissections

Jade Hiramoto, San Francisco, United States

Distal remodeling in type B dissection – balancing patient risk and efficacy

Ali Azizzadeh, Los Angeles, United States

Dynamic imaging with CT/MRA – the ultimate technique for understanding dissections

Alan Lumsden, Houston, United States

TEA AND VISIT TO HANDS-ON WORKSHOPS

Tea Symposium**Thoracic and thoracoabdominal aneurysms**

Treatment of thoracic (endo)graft infections

Frank Vermassen, Ghent, Belgium

Precise placement and accuracy in challenging landing zones in TEVAR

Theodosios Bisdas, Athens, Greece

Factors impacting long-term durability – five-year report with use of a low-profile thoracic endograft

Germano Melissano, Milan, Italy

Single fenestrated endografts for the left subclavian artery vs. carotid-subclavian bypass and standard TEVAR

Nikolaos Tsilimparis, Munich, Germany

Open or endovascular treatment of downstream thoracoabdominal pathology in patients with previous frozen elephant trunk

Luca Bertoglio, Milan, Italy

Juxtarenal aneurysms consensus

CX Great Debate: Upper extremity access should be avoided in complex endovascular aortic repair

For the motion:

Tilo Kölbel, Hamburg, Germany

Stéphan Haulon, Paris, France, President ESVS

Timothy Resch, Malmö, Sweden

Carlos Timaran, Dallas, United States

Against the motion:

The advantage of inner branch technology in resolving the current challenges in fenestrated and branched solutions – large centre experience and lessons learnt

Said Abisi, London, United Kingdom

Multicentre one-year follow-up on the usage of a covered graft in BEVAR and three-year data in FEVAR

Eric Verhoeven, Nuremberg, Germany

Advantages of balloon-expandable covered bridging stents in FEVAR and BEVAR procedures: Which one is best and why

Mauro Gargiulo, Bologna, Italy

Planning fenestrated stent grafts using the finite element method:

A prospective European multicentre study

Miriam Kliever, Vienna, Austria

Additional Thoracic Aortic activities

CX Aortic Techniques & Technologies (edited cases)

Tuesday 21 April

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CX Aortic Workshop

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CX Thoracic Aortic Global Stars and Rising Stars

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CX Thoracic Aortic Abstracts

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Thursday 23 April 2020

PERIPHERAL CRITICAL ISCHAEMIA CONSENSUS

Lower Main Auditorium



Peripheral Podium 1st session

Podium 1st: 24-month ZILVERPASS results
Marc Bosiers, Dendermonde, Belgium

Podium 1st: IN.PACT BTK European study: First presentation of the nine-month primary outcomes

Antonio Micari, Palermo, Italy

Podium 1st: TOBA III data presentation (spot stenting following DCB)
TBA

Podium 1st: Mid-term follow-up, safety and efficacy of patients treated with a rotational atherectomy device
Sorin Guisca, Weinheim, Germany

Podium 1st: Drug-eluting stent global data analysis – which patients get better and which do not
Gary Ansel, Columbus, United States

Podium 1st: MIMICS-2 study three-year results
TBA



COFFEE AND VISIT TO HANDS-ON WORKSHOPS

Coffee Symposium

Edited case

Spot stenting in below the knee lesion

ileg consensus

Critical limb ischaemia is being underdiagnosed and undertreated
Jos van den Berg, Lugano, Switzerland

Current era outcomes of prosthetic bypass grafting to below the knee targets
Matthew Menard, Boston, United States

The endpoint to take in consideration for BTK study and that can really assess the efficacy of DCB – do we still need repeat angiography?
Francesco Liistro, Arezzo, Italy

Guidelines to support CLTI studies and evaluation
Misti Malone, Silver Spring, United States

National variation in the incidence of major amputation in diabetes
William Jeffcoate, Nottingham, United Kingdom

Outcome of revascularisation for chronic limb-threatening limb ischaemia can be predicted
Marten Falkenberg, Gothenburg, Sweden

Increased reintervention rates in women following infrainguinal revascularisation for chronic limb-threatening ischaemia
Jade Hiramoto, San Francisco, United States

The results of microbubbles-enhanced thrombolytic therapy in treatment of acute peripheral arterial disease and future perspectives
Kak Khue Yeung, Amsterdam, Netherlands

Debate: The angiosome revascularisation concept is logical and influences patient outcomes
For the motion: Maarit Venermo, Helsinki, Finland
Against the motion: Enrico Ascher, New York, United States

LUNCH AND VISIT TO HANDS-ON WORKSHOPS

Lunch Symposium

Consensus on optimum method of assessing ischaemia in the lower limb

Transcutaneous TCPo2
Robert Hinchliffe, Bristol, United Kingdom

Value of toe pressures and toe/brachial index
Chris Manu, London, United Kingdom

Perfusion imaging
Jim Reekers, Amsterdam, Netherlands

Perfusion analysis of the foot in patients with critical limb ischaemia before and after revascularisation and predictive value on amputation-free survival (The DELTA-PERF Study)
Adrien Hertault, Lille, France

Techniques for CLI intervention

Patient selection for deep venous arterialisation in small artery disease
Roberto Ferraresi, Milan, Italy

Preoperative testing for silent coronary ischemia using coronary CT angiography-derived fractional flow reserve (FFR_{CT}) may reduce postoperative myocardial infarction and cardiovascular death in patients needing lower-extremity revascularisation
Dainis Krievins, Riga, Latvia

TOBA BTK trial results and the rationale for spot stenting below the knee
TBA

Foot plantar arch recanalisation – why, when and how

Lorenzo Patrone, London, United Kingdom

Update on stenting for tibial disease – current technology for future opportunities

Brian DeRubertis, Los Angeles, United States

Techniques for successful open surgical reconstruction for CLI

Matthew Menard, Boston, United States

Retrograde rendezvous approach to tibial chronic total occlusions: An Asian perspective

Andrew Choong, Singapore

TEA AND VISIT TO HANDS-ON WORKSHOPS

Tea Symposium

Additional Peripheral Arterial activities

Peripheral Arterial Proximal Ischaemia Challenges

Tuesday 21 April

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CX Peripheral Techniques & Technologies

Wednesday 22 April

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CX Peripheral Workshop

Tuesday 21 April and Wednesday 22 April

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CX Peripheral Global Stars and Rising Stars

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CX Peripheral Arterial Abstracts

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Friday 24 April 2020

ACUTE STROKE CONSENSUS

Upper Main Auditorium

CX Debate: Intracranial stenting for stenosis is dead

For the motion: Thomas Liebig, Munich, Germany
Against the motion: Andrew Clifton, London, United Kingdom

When operating on a carotid artery in a patient undergoing CABG the two should be done simultaneously

Barbara Rantner, Munich, Germany

CX Debate: Atrial fibrillation influences whether you should operate in asymptomatic carotid stenosis

For the motion: Robert Hatala, Bratislava, Slovakia
Against the motion: Dominic Howard, Oxford, United Kingdom

CX Debate: Only extracranial, but not intracranial, vertebral arteries should be considered for stenting

For the motion: Hugh Markus, Cambridge, United Kingdom
Against the motion: Andrew Clifton, London, United Kingdom

CX Debate: Outcomes of carotid artery stenting in selected patients are now as good or better than endarterectomy

For the motion: Peter Schneider, Honolulu, United States
Against the motion: Alun Davies, London, United Kingdom

Intervention in carotid artery aneurysms: indications and techniques

Gert Jan de Borst, Utrecht, Netherlands

Pushing the limits: Safety of carotid endarterectomy in octogenarians and beyond

Daniel Urriza Rodriguez, Oxford, United Kingdom

COFFEE

Standard carotid endarterectomy is superseded by:

Eversion carotid Clement Darling III, Albany, United States
The via media Marc Schermerhorn, Boston, United States
Carotid stenting Trevor Cleveland, Sheffield, United Kingdom

Complex carotid body tumours and the value of adjunctive endovascular treatment

TBA

International variation in carotid surgery is huge despite all the randomised trials performed

Maarit Venermo, Helsinki, Finland

Carotid patch type impacts outcomes following carotid endarterectomy

Jens Eldrup-Jorgensen, Portland, United States

CX 2019 Abstract Senior Prize winner

Diagnosis and management of internal carotid artery "string sign": When to intervene

Enrico Ascher, New York, United States

Risk of cardiovascular events and death in patients with asymptomatic bilateral carotid artery stenosis: A population-based cohort study

Dominic Howard, Oxford, United Kingdom

CX Debate: Carotid artery stenting in symptomatic patients should be performed with proximal embolic protection

For the motion: Kyriakos Lobotesis, London, United Kingdom
Against the motion: Jos van den Berg, Lugano, Switzerland

Thrombectomy

How to and when to treat tandem pathology Mikael Mazighi, Créteil, France

How late to treat and how to select patients

Richard Perry, London, United Kingdom

Validation studies of virtual reality simulation performance metrics for mechanical thrombectomy in ischaemic stroke

Lars Lönn, Copenhagen, Denmark

Additional Acute Stroke activities

CX Acute Stroke Global Stars and Rising Stars

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CX Acute Stroke Abstracts

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CX 2020 at a glance

DATE & TIME	MAIN PROGRAMME		ADDITIONAL ACTIVITIES		HANDS ON PRACTICAL SKILLS AREAS EXHIBITION HALL				
	UPPER MAIN AUDITORIUM	LOWER MAIN AUDITORIUM	PILLAR HALL	LONDON ROOM	VENOUS CITY	PERIPHERAL VILLAGE	AORTIC VILLAGE	VASCULAR ACCESS VILLAGE	IWOUNDS VILLAGE
TUESDAY 21 APRIL 08:00-18:00	08:00 - 10:00	Peripheral Proximal Arterial Ischaemic Consensus	Venous & Lymphatic Consensus	Aortic Techniques & Technologies (edited cases)	Abstracts				
	COFFEE BREAK 10:00 - 10:30								
	10:30 - 12:30	Peripheral Proximal Arterial Ischaemic Consensus	Venous & Lymphatic Consensus	Aortic Techniques & Technologies (edited cases)	CEC@CX			CX Vascular Access Abstracts	
	LUNCH 12:30 - 13:30								
	13:30 - 15:30	Peripheral Proximal Arterial Ischaemic Consensus	Venous & Lymphatic Consensus	Aortic Techniques & Technologies (edited cases)	IMAC@CX			CX Vascular Access Abstracts	
WEDNESDAY 22 APRIL 08:00-18:00	TEA BREAK 15:30 - 16:00								
	16:00 - 18:00	Peripheral Proximal Arterial Ischaemic Consensus	Venous & Lymphatic Consensus	Aortic Techniques & Technologies (edited cases)	Abstracts			CX Vascular Access Abstracts	
	08:00 - 10:00	Abdominal Aortic Consensus		CX Vascular Access Masterclass	IWounds				
	COFFEE BREAK 10:00 - 10:30								
	10:30 - 12:30	Abdominal Aortic Consensus	Peripheral Techniques & Technologies (live & edited cases)	CX Vascular Access Masterclass	IWounds				
THURSDAY 23 APRIL 08:00-18:00	13:30 - 15:30	Abdominal Aortic Consensus	Peripheral Techniques & Technologies (live & edited cases)	CX Vascular Access Masterclass	Major Vascular Trauma				IWounds Workshop
	TEA BREAK 15:30 - 16:00								
	16:00 - 18:00	Abdominal Aortic Consensus	Peripheral Techniques & Technologies (live & edited cases)	CX Vascular Access Masterclass	Major Vascular Trauma				
	08:00 - 10:00	Thoracic Aortic Consensus	Peripheral Critical Ischaemia Consensus	CX Innovation Showcase	Abstracts				
	COFFEE BREAK 10:00 - 10:30								
FRIDAY 24 APRIL 08:00-12:30	10:30 - 12:30	Thoracic Aortic Consensus	Peripheral Critical Ischaemia Consensus	CX Innovation Showcase	CX Vascular Malformations			CX Vascular Access Workshop	
	LUNCH 12:30 - 13:30								
	13:30 - 15:30	Thoracic Aortic Consensus	Peripheral Critical Ischaemia Consensus	CX Innovation Showcase	CX Meets Latin America			CX Vascular Access Edited Cases	
	TEA BREAK 15:30 - 16:00								
	16:00 - 18:00	Thoracic Aortic Consensus	Peripheral Critical Ischaemia Consensus	CX Innovation Showcase	Acute Stroke Abstracts			CX Vascular Access Workshop	
FRIDAY 24 APRIL 08:00-12:30	08:00 - 10:00	Acute Stroke Consensus		EVST Prize Session	Abstracts				
	COFFEE BREAK 10:00 - 10:30								
	10:30 - 12:30	Acute Stroke Consensus		EVST Prize Session	Abstracts				

CX Vascular Access Masterclass

Wednesday 22 April

Introduction

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

Nicholas Inston, Birmingham, United Kingdom

Pre-operative

Planning access—when should we create vascular access?

Nicholas Inston, Birmingham, United Kingdom

Can we improve prediction using artificial intelligence/machine learning?

Ali Kordzadeh, Broomfield, United Kingdom

Pre-operative vein enhancement and FACT trial preliminary results

TBA

Pre-operative assessment and planning

Jennifer Hanko, Belfast, United Kingdom

KDOQI update—right access, right patient, right time, right patient

Charmaine Lok, Toronto, Canada

Fistula formation

Radiocephalic vs. brachiocephalic first?

Teun Wilmink, Birmingham, United Kingdom

Vessel preparation - AV fistuloplasty

Matteo Tozzi, Varese, Italy

Surgical fistula—the RADAR technique

Nirvana Sadaghianloo, Nice, France

External support device to improve fistula outcomes

Robert Shahverdyan, Hamburg, Germany

Using grafts for early access in selected patients: Improving outcomes and patient care

Matteo Tozzi, Varese, Italy

Patient first approach: Using the right graft for the right patient

Peter Thomson, Glasgow, United Kingdom

COFFEE AND VISIT TO HANDS-ON WORKSHOPS

Coffee Symposium

Failing fistulas – maintenance and salvage

Panel: Daniel Patel, Daytona Beach, United States

Robert Jones, Birmingham, United Kingdom

Paul Gibbs, Portsmouth, United Kingdom

David Kingsmore, Glasgow, United Kingdom

AV access creation and revision: our treatment approach for optimal outcomes. The value of early cannulation grafts

Filippo Benedetto, Messina, Italy

A new era of AV access creation and maintenance: Increasing circuit longevity with a new treatment pathway

David Kingsmore, Glasgow, United Kingdom

Stent graft placement vs. angioplasty for recurrent stenosis: Delivering durable solutions

Daniel Patel, Daytona Beach, United States

Surgical approaches to stenosis: The surgical patch plasty

Paul Gibbs, Portsmouth, United Kingdom

Case-based discussion—how would you treat this? Surgical vs. radiological adjuncts to optimise maturation

Presenter: Nicholas Inston, Birmingham, United Kingdom

Panel: Daniel Patel, Daytona Beach, United States

Robert Jones, Birmingham, United Kingdom

Paul Gibbs, Portsmouth, United Kingdom

David Kingsmore, Glasgow, United Kingdom

Filippo Benedetto, Messina, Italy

Interpreting the data

Contemporary AV access maintenance meta-analyses: How do these apply to clinical practice?

TBA

Aneurysms—an algorithmic approach?

TBA

Central vein stenosis an algorithmic approach?

James Gilbert, Oxford, United Kingdom

Upper body has gone! Where next?

Paul Gibbs, Portsmouth, United Kingdom

Nothing left or is there? End-stage access options – Case presentation

Presenter: Nicholas Inston, Birmingham, United Kingdom

Discussant: Domenico Valenti, London, United Kingdom

LUNCH AND VISIT TO HANDS-ON WORKSHOPS

Lunch Symposium

Innovations in vascular access: Technologies, techniques and trial updates

Chairing: Robert Jones, Birmingham, United Kingdom

Jason Wilkins, London, United Kingdom

Panel: Narayan Karunanithy, London, United Kingdom

Jeffrey Hull, North Chesterfield, United States

Endovascular AV fistulas: New toy or necessity?

Jason Wilkins, London, United Kingdom

Update of data from the Ellipsys studies

Jeffrey Hull, North Chesterfield, United States

Update on data from the WavelinQ studies

Robert Jones, Birmingham, United Kingdom

Imaging vascular access

Chairing: James Gilbert, Oxford, United Kingdom

Panel: Balaz Gasz, Pécs, Hungary

Therese Wykoff, Boulder, United States

3D modelling in VA training and practice

Balaz Gasz, Pécs, Hungary

Online training in vascular access

Therese Wykoff, Boulder, United States

How do we train the whole of the team in vascular access?

Panel: Balaz Gasz, Pécs, Hungary

Robert Jones, Birmingham, United Kingdom

Therese Wykoff, Boulder, United States

James Gilbert, Oxford, United Kingdom

TEA AND VISIT TO HANDS-ON WORKSHOPS

Tea Symposium

Baloons in VA update

Ranger DCB in AV fistulas – a RCT against PTA

Robert Jones, Birmingham, United Kingdom

IN.PACT AV Access trial: 12-month primary outcomes

Andrew Holden, Auckland, New Zealand

IN.PACT AV economic analysis & budget impact model through 12 months

Sanjay Misra, Pueblo, United States

Preliminary results of a pilot study on sirolimus-coated balloon angioplasty in the salvage of thrombosed arteriovenous graft

Ru Yu Tan, Singapore

Stent grafts vs. drug-coated balloons in AV access intervention

Ziv Haskal, Charlottesville, United States

Podium 1st: Multi-institutional two-year outcomes in dialysis access management: Real world evidence

Sapan Desai, Chicago, United States

3D ultrasound for the detection of arteriovenous fistula complications

Steven Rogers, Manchester, United Kingdom

Surveillance debate – yes or no, how and why?

For the motion:

TBA

Against the motion:

TBA

Controversy: Asymptomatic stenosis – treat or leave alone

For the motion:

TBA

Against the motion:

TBA

First-in-human trial with the new DCB in AV access stenosis

TBA

The role of stent grafts in central venous obstruction in dialysis patients

Ziv Haskal, Charlottesville, United States

Summary and close of day 1

BREAKOUT AND DRINKS RECEPTION OUTSIDE PILLAR HALL

A “fireside chat” and audience questions between Mr. Phil West (patient) and Mr. Paul Gibbs (surgeon)



CX Vascular Access Workshop

Thursday 23 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

3 USS stations with patients (exam rooms)

Techniques in vascular access

Surgical techniques: Snuffbox fistula creation

Surgical techniques: Radiocephalic AVF

Surgical techniques: Brachiocephalic AVF

Surgical techniques: Brachio basilic AVF

Dialysis made simple

Dialysis central venous catheters workshop

Fistula cannulation - It's not that easy!

USS-guided cannulation

Complications of access

High flow and steal: Preserving the access

Thrombosis, thrombolysis and thrombectomy

USS guided angioplasty

NEW

Anastomosis - simulators - surgical training

CX Venous Workshop, Venous City •

Wednesday 22 April and Thursday 23 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 – Superficial veins

Practical hands-on skills

- Cannulation
- Device positioning
- Tumescence anaesthesia

Diagnostic venous ultrasound – Ultrasound City

- Diagnostic venous ultrasound

Aesthetic phlebology

- Hand vein treatment options
- Surgical treatment of reticular veins

Sclerotherapy

- Foam sclerotherapy for tributaries
- Foam sclerotherapy for truncal reflux
- Sclerotherapy for reticular veins and telangiectasia

Plethysmography

- Air plethysmography
- Strain gauge plethysmography

Compression techniques

- Novel compression device
- Compression bandaging techniques

Additional stations

- Venous embryology and anatomy and virtual reality teaching
- Cyanoacrylate glue to treat erectile dysfunction
- Decision making for pelvic vein disease

DAY 2 – Deep veins

Practical hands-on skills

- Cannulation
- Device positioning
- Tumescence anaesthesia

Diagnostic venous ultrasound – Ultrasound City

- Diagnostic venous ultrasound

Pelvic vein disorders

- Pelvic vein embolisation
- Transvaginal duplex scanning

Plethysmography

- Air plethysmography
- Strain gauge plethysmography

Acute venous thrombosis

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

Vena cava filters

- Cava filters

Valve reconstruction

- SailValve and VenoValve
- Prosthetic valve technologies

Additional stations

- Vascular ultrasound training simulator
- IVUS in deep venous stenting
- Paget-Schroetter syndrome
- Endophlebectomy and open deep venous surgery
- SVC/IVC stenting procedures

CX Venous Techniques & Technologies •

Wednesday 22 April and Thursday 23 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.

An Introduction to Vascular Surgery

Wednesday 22 April and Thursday 23 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 2020. 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 CX 2020. An Introduction to Vascular Surgery will take place on Wednesday 22 April and Thursday 23 April and is a one-day course, repeated over two days. Any trainee wishing to sign up for this opportunity should contact Petra Linhartova at petra@bibamedical.com. Places are limited and applications will be accepted on a first-come-first-serve basis. Attendees will be asked for proof of status and a deposit of £10 to secure their place. 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 28 February.

CX Aortic Techniques & Technologies (edited cases) ●

Tuesday 21 April

Thoracic endovascular aortic repair for aortic arch pathology

Chang Shu, Beijing, China

Ascending aortic endograft advances

Rodney White, Torrance, United States

Three-vessel arch branch repair

Gustavo Oderich, Rochester, United States

Endovascular approach of type Ia endoleak treatment after EVAR

Konstantinos Spanos, Larissa, Greece

Tips and tricks to occlude the false lumen during endovascular repair of arch dissecting aneurysms with branched endografts

Stéphane Haulon, Paris, France, President ESVS

COFFEE AND VISIT TO HANDS-ON WORKSHOPS

The Aortic Team – doing the right thing in equipoise between surgical, hybrid and endovascular techniques

Martin Czerny, Freiburg, Germany

New ultra-low profile stent graft in challenging EVAR procedures

Chang Shu, Beijing, China

How to unbridge EVAR in aortic infection

Xavier Berard, Bordeaux, France

LUNCH AND VISIT TO HANDS-ON WORKSHOPS

A thoracic stent graft used to create a proximal landing zone for a fenestrated device to treat a juxtarenal aortic aneurysm, a penetrating aortic ulcer, and a dilatation of the descending thoracic aorta

Afshin Assadian, Vienna, Austria

BEVAR case with only access by the femorals and the usage of a steerable sheath to place the bridging stents

Nikolaos Tsiolomparis, Munich, Germany

Making FEVAR standard in your practice: A case example

Martin Claridge, Birmingham, United Kingdom

ChEVAR indication: How a standardised technique improves outcomes

Nicolas Louis, Nîmes, France

ESAR in challenging seal zone: How I apply this off-the-shelf combination in my practice

Michel Reijnen, Arnhem, Netherlands

TEA AND VISIT TO HANDS-ON WORKSHOPS

Technical success and endoleaks for surgeon-modified fenestrated endografts vs. custom-made fenestrated endografts – are they really the same?

Nikolaos Tsiolomparis, Munich, Germany

Benefit of contrast-enhanced transoesophageal echography during extensive TEVAR to reduce contrast and radiation exposure

Blandine Maurel, Nantes, France

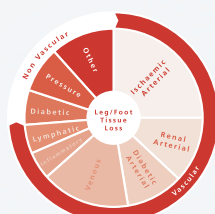
Carotid to subclavian bypass and vascular plug subclavian endovascular occlusion before thoracic open or endovascular repair

Luca Bertoglio, Milan, Italy

iWounds

Wednesday 22 April

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



Challenges and solutions of providing evidenced based leg ulcer care

Leanne Atkins, Wakefield, United Kingdom

The need for integrated care in the management of diabetic foot ulcers

William Jeffcoate, Nottingham, United Kingdom

The development process for an integrated cross-sectoral collaborative approach to wound care – The development and delivery of the Manchester Amputation Reduction Strategy (The MARS Project)

Naseer Ahmad, Manchester, United Kingdom

The impact of an integrated diabetic foot MDT clinic on time to intervention, limb salvage, amputation-free survival, and healthcare costs

Dominic Howard, Oxford, United Kingdom

Wound care is important for CLI: Overview from a wound care specialist's point of view

Marianne Brodmann, Graz, Austria

New bioinspired material that interacts with surrounding tissues to promote wound healing

Ben Almquist, London, United Kingdom

Central vein pathology and venous leg ulcers – anticoagulation and recurrent wounds

William Ennis, Chicago, United States

The efficacy of topical oxygen in the treatment of diabetic foot ulcers: Results of a randomised clinical trial

Thomas Serena, Cambridge, United States

Consensus on topical oxygen therapy. The role of oxygen in wound healing.

Paul Hayes, Cambridge, United Kingdom

Role of oxygenating spray for the treatment of chronic wounds

Paul Chadwick, London, United Kingdom

Sucrose octasulphate dressing

Michael Edmonds, London, United Kingdom

LeucoPatch

Frances Game, Derby, United Kingdom

EDX110 – a nitric oxide generating medical device

Michael Edmonds, London, United Kingdom

Results from the national vascular trainee collaborative GIVE audit (Groin wound Incisions after Vascular Exposure)

Ruth Benson, Birmingham, United Kingdom

Biotherapy Services / HealthDynamix

Sandip Sarkar, London, United Kingdom

Free flap microsurgical reconstruction in diabetic foot

Arvind Mohan, London, United Kingdom

'Spare parts' reconstruction in diabetic foot

Joseph Shalhoub, London, United Kingdom

Enhancing the understanding of ulcerations through physical exam

Nicole Kaiser, Delran, United States

Impact of negative pressure wound therapy on patients with diabetic foot

Amr Abdel-Mawgoud, Cairo, Egypt

The role of infection in venous ulcer patients – implications for treatment and medical resource utilisation

Thomas O'Donnell, Boston, United States

iWounds

Workshop

Wednesday 22 April and Thursday 23 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

Friday 24 April

The European Vascular Surgeons in Training (EVST) will be hosting the "Future Vascular Surgery Stars" session at CX 2020.

Young vascular surgeons and trainees are invited to submit their scientific work. Part of the session will focus on the emergencies in vascular surgery – how to treat them and deal with potential disastrous complications, presented by four invited speaker. 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 2020. The best presentations will be awarded with an engraved CX bell. The abstract should be sent as an attachment (Microsoft Word document, no longer than 300 words) to info@esvs.org no later than 2 February 2020 with the subject EVST@CX2020. 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 17 February if their abstract has been accepted.

CEC@CX

Tuesday 21 April

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

LINC@CX

Wednesday 22 April

The Leipzig Interventional Course comes to CX to provide an insight into the management of below-the-knee vascular disease.

CX Innovation Showcase ●●●●●

Thursday 23 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 2020.

Innovation consensus

MedTech innovation is far from dead	Bob Mitchell, Las Vegas, United States
The dawn of a new era of Artificial Intelligence driven healthcare innovation	Lindsay Machan, Vancouver, Canada
The end of genius: Insights on the nature of invention and discovery	Frank Criado, Baltimore, United States
The 3 things that a physician inventor needs to succeed	Kieran Murphy, Toronto, Canada
MedTech Innovation in Europe is set to die after MDR is in place	Jeffrey Jump, Mont-sur-Rolle, Switzerland
Brexit and MedTech Innovation: Is the glass half full or empty?	Chas Taylor, Horsham, United Kingdom

Peripheral innovation

Update on Xtreme Touch sirolimus-eluting drug-coated balloon	Edward Choke, Singapore
Update on Soluton sirolimus drug-coated balloon	Peter Gaines, Sheffield, United Kingdom
Circuport vascular access system	John Edoga, New Jersey, United States
Sirogen intraoperative perivascular sirolimus drug delivery	Daniel Clair, Columbia, United States
Xeltis restorative cardiovascular therapy	Martijn Cox, Zurich, Switzerland

COFFEE AND VISIT TO HANDS-ON WORKSHOPS

Aortic innovation

Off-the-shelf Nexus endograft for arch aneurysms	Mario Lachat, Hintereg, Switzerland
Total endovascular repair of zone 0 landing aortic arch aneurysms with Najuta Fenestrated Thoracic Stent Graft	Dai Yamanouchi, Madison, United States
Predicted survival with Valiant TAAA with as it relates to thrombus and cardiac reserve	Patrick Kelly, Sioux Falls, United States
Balloon-expandable modular technology (SETA) and a new membrane will make FEVAR and BEVAR obsolete	Bao Bui, Sherbrooke, Canada
Latest results of the Ankura AAA stent graft	Ralf Kolvenbach, Düsseldorf, Germany

Venous innovation

Venovale bioprosthetic valve for venous insufficiency: FIM	Jorge Ulloa, Bogota, Colombia
Sailvalve study results	Michel Reijnen, Arnhem, Netherlands

Technique and final results of HIFU for varicose veins

Alfred Obermayer, Vienna, Austria

LUNCH AND VISIT TO HANDS-ON WORKSHOPS

Impact of Artificial Intelligence on vascular disease management

The essence of AI deep learning in vascular disease management explained	Jan Heyligers, Tilburg, Netherlands
The impact of AI and deep learning on physicians' daily practice	Lars Lönn, Copenhagen, Denmark
AI deep learning innovation in vascular surgery – Cydar	Tom Carrell, Cambridge, United Kingdom
Lessons from an AI in medical imaging start up – Incepto Medical	Dominique Fabre, Paris, France

Updates from previous Dragons' Den winners

2019 HeadPeace radiation protection textile	Petra Apell, Gothenburg, Sweden
	Fredrik Gellerstedt, Gothenburg, Sweden
2018 Coramed antioxidant premedication	Kieran Murphy, Toronto, Canada
2016 BlueDop cuff free ABI	David King, London, United Kingdom
	Patrick Kelly, Sioux Falls, United States

TEA AND VISIT TO HANDS-ON WORKSHOPS

Dragons' Den

Chairing: Stephen Greenhalgh, London, United Kingdom

Panel: Andrew Holden, Auckland, New Zealand

Bob Mitchell, Las Vegas, United States

Peter Phillips, Didcot, United Kingdom

Chas Taylor, Horsham, United Kingdom

Shawn Fojtik, Park City, United States

Jeffrey Jump, Mont-sur-Rolle, Switzerland



CX Meets Latin America ●●●

Thursday 23 April

In 2020, the Charing Cross Symposium will continue to have a dedicated session to showcase vascular and endovascular practice in Latin America.

LUNCH SERVED IN THE LONDON ROOM LEARNING CENTRE

Percutaneous Endovascular Aneurysm Repair (PEVAR): Experience with different devices	Marcus Gress, Rio de Janeiro, Brazil
Use of parallel stents in the aneurysms with hostile neck	João Luiz Elesbao, Porto Alegre, Brazil
20th years of experience with the Gore Excluder stent graft for the treatment of aortic and iliac aneurysms	Arno Von Ristow, Rio de Janeiro, Brazil
The value of internal iliac artery preservation	Guilherme Centofanti, São Paulo, Brazil
Influence of stent geometry in the development of type Ia endoleak in CHEVAR technique	Ignacio Escotto Sánchez, Mexico City, Mexico

Should we still be treating large infrarenal necks with EVAR?

Luis Mariano Ferreira, Buenos Aires, Argentina

Complex endovascular aortic repair to treat late EVAR failure

Patricio Zaefferer, Buenos Aires, Argentina

Techniques of endovascular aortoiliac repair using an iliac branch endoprosthesis

Marcio Miyamoto, Curitiba, Brazil

Physician modified branched endograft in the aortic arch. Case report

Mariano Castelli, Buenos Aires, Argentina

Preservation of bilateral hypogastric arteries in dissecting AAA with sandwich technique

Marcos Martins, Manaus, Brazil

Experience in complex cases in aortoiliac aneurysms

Jorge Amorim, São Paulo, Brazil

Renal artery bridge-stents in TAAA: Comparison between 3 stents grafts

Gustavo Paludetto Oliveira, Brasília, Brazil

Endovascular total arch replacement

Guilherme Meirelles, Campinas, Brazil

Endovascular treatment of popliteal artery aneurysms

Antonio Joaquim Serra de Freitas, São Paulo, Brazil

Stent graft use in arteriovenous dialysis access

Douglas Cavalcanti, Recife, Brazil

Major Vascular Trauma

Wednesday 22 April

Major vascular trauma

Damage control surgery for vascular surgeons

Christopher Aylwin, London, United Kingdom

Catastrophic vascular haemorrhage: pelvic exsanguination (diagnosis/ pathways/treatment – REBOA/embolisation vs. IIA ligation)

Ross Davenport, London, United Kingdom

Aorta injury and interventions

Blunt aortic injury - when to intervene, difficult landing zones and surveillance

Ounali Jaffer, Walton on Thames, United Kingdom

REBOA as an adjunct for control of vascular trauma haemorrhage (pros vs cons, International experience and moving to a consensus)

Tim Stansfield, Leeds, United Kingdom

UK REBOA trial and role in prehospital care

Robert Lendrum, London, United Kingdom

Extremity vascular trauma

IVC filters - when and for how long

Elika Kashef, London, United Kingdom

Venous repairs—benefits vs. risks

Kaji Sriharan, Liverpool, United Kingdom

Shunting—when/how/why?

Tom Konig, London, United Kingdom

TEA BREAK AND VISIT TO HANDS-ON WORKSHOPS

Neck

Blunt cerebrovascular injury management

Karim Brohi, London, United Kingdom

Management of neck trauma – worst day at the office

Case 1: Vertebral artery injury

Ross Davenport, London, United Kingdom

Case 2: Subclavian artery avulsion

Christopher Aylwin, London, United Kingdom

Training and future of vascular trauma practice

I am not a paediatric surgeon... what does a vascular surgeon need to know?

Rachel Bell, London, United Kingdom

ECMO and selective arch perfusion in major trauma

Ben Singer, London, United Kingdom

UK vascular trauma practice: What does TARN tell us we actually do?

Simon Glasgow, London, United Kingdom

Training for vascular trauma in 2025

Martin Griffiths, London, United Kingdom

CX Debate: Vascular surgeons should be primary responders to all major haemorrhage protocol trauma calls

For the motion:

Gary Maytham, London, United Kingdom

Against the motion:

Adam Stannard, Yarm, United Kingdom

CX Aortic Workshop

Tuesday 21 April and Wednesday 22 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 21 April and Wednesday 22 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 22 April

Live and edited 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 Global Stars and Rising Stars and Abstract Presentations

Tuesday 21 April to Friday 24 April

(S)= Senior (T)= Trainee

Peripheral Global Stars and Rising Stars

Balloon-expandable stent graft for lower limb disease	TBA
Retrograde recanalisation of the SFA: From a systematic review to every day practice	Lorenzo Patrone, London, United Kingdom
Role and technique of embolisation in deep venous arterialisation	Jos van den Berg, Lugano, Switzerland
Covered endoprosthesis demonstrates powerful patency in >20cm SFA lesions	Yann Gouëffic, Nantes, France
IN.PACT Global Study four-year outcomes	Thomas Zeller, Bad Krozingen, Germany
Advances in treatment for aortoiliac occlusive disease	Frank Arko, Charlotte, United States
Antiplatelet therapy after endovascular intervention: Not as simple as it appears	Chris Twine, Cowbridge, United Kingdom
The use of a prosthetic bypass graft for distal and ultradistal bypasses	Diogo Cunha e Sá, Lisbon, Portugal
Epidural anaesthesia as standalone solution is beneficial for open aortoiliac reconstruction	Joerg Tessarek, Lingen, Germany
Fifteen-year experience of popliteal artery aneurysm treatment with covered endoprosthesis	TBA
Bycross rotational atherectomy with variable tip diameter and active debris aspiration is highly effective for severely calcified and mixed femoropopliteal TASC D lesions: Results from a CE-mark trial	Joerg Tessarek, Lingen, Germany
IN.PACT Global Study 150mm cohort: Outcomes through three years	Marianne Brodmann, Graz, Austria
Rotational atherectomy system in chronic totally occluded lower limb peripheral arterial disease patients	Ferid Cereb, Sanliufla, Turkey
Heparin-bonded covered stents vs. bare metal stents for complex femoropopliteal artery lesions and primary patency rates	Csaba Csobay Novák, Budapest, Hungary
Global vascular guideline-based bypass-preferred population and their surgical risk in endovascularly treated chronic limb-threatening ischemia in real-world practice	Osamu Iida, Amagasaki, Japan
Endoluminal bypass in CLI patients: Long-term results	Jorge Fernández Noya, Santiago Compostela, Spain
Success of requiring proficiency in femop and iliac artery CTO success in a multi-institutional, multi-specialty vascular institute	Gary Ansel, Columbus, United States
Using a covered endoprosthesis to reline occlusions: Complex cases	Olaf Schouten, Voorburg, Netherlands
Prospective registry for the treatment of iliac occlusion by bare metal stent: Two-year outcomes	Yann Gouëffic, Nantes, France
Balloon-expandable endoprosthesis for iliac obstructive disease	Domenico Angiletta, Bari, Italy
The prevalence of critical CAD in patients with documented PAD – the role of CT angiogram and functional assessment	Javier Ruiz Aburto, Ponce, United States
Eight-year results of heparin-bonded PTFE stent grafts	Maria Antonella Ruffino, Turin, Italy
Treatment of TACS C and D lesions in SFA: First insights in the ongoing prospective randomised sports trial	Gunnar Tepe, Rosenheim, Germany
Update on REPLACE study: Heparin-bonded ePTFE graft vs. ePTFE graft	Yann Gouëffic, Nantes, France
A novel simplified percutaneous distal axillary artery access technique for complex endovascular interventions	Dominic Howard, Oxford, United Kingdom
IN.PACT Global Study four-year outcomes: Stented vs. non-stented subset	Gary Ansel, Columbus, United States
Cost efficacy of PAD technologies	Marianne Brodmann, Graz, Austria
How the unique features of a covered endoprosthesis relate to optimal clinical outcomes: A case review	Bertrand Saint-Lebes, Toulouse, France
Complex femoropopliteal interventions require vessel preparation for optimal results	Brian DeRubertis, Los Angeles, United States
Retrograde popliteal approach for endovascular management of chronic total occlusion of superficial femoral artery	Ali Baran Budak, Ankara, Turkey
Outcomes of failed endografts and the value of collaterals	Mare Lensvelt, Huizen, Netherlands

Critical limb ischaemia four-year outcomes of IN.PACT Global

Michel Reijnen, Arnhem, Netherlands

How best to choose between open and endovascular therapy for lower extremity PAD

Matthew Menard, Boston, United States

Unexpected late in-stent restenosis after iliofemoral stenting

Jorinde Van Laanen, Maastricht, Netherlands

Safety and effectiveness of a novel atherectomy system combined used with a drug-eluting balloon in lower extremity arteries

Halit Yerebakan, Istanbul, Turkey

Improving flow dynamics for patient with aortoiliac occlusive disease: A retrospective analysis

Michel Reijnen, Arnhem, Netherlands

Covered endoprosthesis for long lesions: Long-term data

TBA

Peripheral Abstract presentations

Effect of different inflation times on the angiographic image after balloon angioplasty in the femoropopliteal segment: A prospective randomised clinical trial (S)

Maxime Elens, Brussels, Belgium

Diagnosis and treatment of silent myocardial ischaemia can reduce postop cardiac complications and improve survival of peripheral vascular surgery patients (S)

Dainis Krievins, Riga, Latvia

Randomised, multicentre trial of a novel drug-coated balloon in the treatment of femoropopliteal artery occlusive disease (S)

Leng Ni, Beijing, China

Hybrid vs. open procedures for iliac-femoral atherosclerotic diseases. Long-term results at 10 years (T)

Marianna Mucignat, Ferrara, Italy

Sulodexide improves capillary blood flow and the quality of life in patients with Raynaud syndrome (T)

Michal Juszynski, Warsaw, Poland

One-year results of the BIOFLEX-COF CRT, comparing high vs. low chronic outward force of nitinol stents in the SFA (T)

Alexander Wressnegger, Vienna, Austria

Primary endpoint presentation of the complete BIO4AMB study: A multicentre, controlled trial evaluating ambulatory endovascular treatment of PAD for 4Fr and 6Fr femoral access strategies (S)

Marianne Brodmann, Graz, Austria

Endovascular revascularisation of bald aortic arch in patients of non-specific aortoarteritis presenting with features of cerebral ischaemia – an experience from tertiary care centre (S)

Sanjeev Kumar, New Delhi, India

RANGER II SFA: One-year outcomes for diabetic patients treated with a DCB vs. PTA in the SFA (S)

Marianne Brodmann, Graz, Austria

Impact of additional pedal arch revascularisation to the traditional procedures for management of diabetic patients with critically ischaemic limb (S)

Osama Ismail, Sohag, Egypt

Focal stenting with a multiple stent delivery system: Final 12-month results of the multicentre LOCOMOTIVE EXTENDED study (S)

Klaus Amendt, Mannheim, Germany

Does tibial angioplasty save limbs in patients with critical limb ischaemia (T)

Terri-Ann Russell, Northampton, United Kingdom

Systematic review of inframalleolar endovascular interventions on limb salvage, wound healing rates and rest pain (T)

Matthew Machin, London, United Kingdom

Trends in lower limb amputation incidence in European Union 15 plus countries 1990-2017 (T)

William Hughes, London, United Kingdom

A systematic review of the impact of foot-care education on self-efficacy and self-care in patients with diabetes (T)

Richard Goodall, London, United Kingdom

The effect of direct revascularisation of a target vessel on improving wound healing (T)

Mohamed Rizk, Cairo, Egypt

First-in-man results from a novel device providing real time, quantitative feedback on tissue perfusion during peripheral arterial intervention (S)

Paul Hayes, Cambridge, United Kingdom

The CLEAR survey: An international perspective on antiplatelet and anticoagulant practice for peripheral arterial endovascular intervention (T)

Graeme Ambler, Bristol, United Kingdom

The tibio pedal and distal femoral retrograde vascular access for challenging chronic total occlusions: Predictors for technical success, and complication rates in a large single-centre cohort (S)

Christoph Artzner, Tubingen, Germany

Geometrical analysis and preliminary results of new generation balloon-expandable stent-grafts vs. self-expanding covered stents for the endovascular reconstruction of the aortic bifurcation (T)

Gianna Saviane, Padova, Italy

A comparison of international guidelines examining recommendations for antithrombotic therapy for atherosclerotic peripheral arterial disease (T)

Jozel Ramirez, United Kingdom

Below-the-ankle bypass for extensive lower limb arterial disease (S)Filippo Benedetto, *Messina, Italy***Antiplatelet and anticoagulant use in randomised trials of patients undergoing endovascular intervention for peripheral arterial disease: Systematic review and narrative synthesis (T)**Mahim Qureshi, *Bristol, United Kingdom***Impact of pedal arch revascularisation in management of diabetic patients with critical limb ischaemia (S)**Osama Ismail, *Sohag, Egypt***Target region oxygenation-based endovascular treatment with real-time monitoring of regional tissue oxygen saturation: Initial results using a newly invented tissue oximeter with near-infrared spectroscopy (S)**Naoki Unno, *Hamamatsu, Japan***Predicting bleeding complications of endovascular peripheral arterial interventions – a new preprocedural score (T)**Athanasios Tsochatzis, *Athens, Greece***Rapid access one-stop CLI pathway: How close are we meeting the VSGBI QIF Standards? (T)**Shanka Benaragama, *Colchester, United Kingdom***Two-year outcomes for Eluvia DES in long lesions: IMPERAL long lesion substudy (S)**Frank Vermassen, *Ghent, Belgium***Mortality rates in patients treated with paclitaxel drug coated balloon: A pooled patient level analysis of over 1,000 patients (T)**Brian Forrestal, *Washington, United States***Diabetic limb salvage in octogenarians – is it worth it? (T)**Matthew Tan, *London, United Kingdom***Twelve-month clinical outcomes of sirolimus-eluting bioresorbable peripheral scaffold system following percutaneous transluminal angioplasty of below-the-knee arteries in patients with critical limb ischemia: Credence BTK-1 study (S)**Gireesh Warawdekar, *Mumbai, India***Three-month outcomes from the circulation foundation and society of vascular nursing joint intermittent claudication study: An interim analysis (T)**Matthew Popplewell, *Newport, United Kingdom***Patient-reported outcome measures for patients undergoing major lower limb amputation for peripheral artery disease and/or diabetes: A systematic review and narrative synthesis (T)**Rachael Lucia Morley, *Bristol, United Kingdom***Drug-coated balloon angioplasty compared with uncoated balloons in the treatment of infrapopliteal artery lesions (12-month results of a randomised, multicentre trial) (S)**

TBA

Long-term safety and efficacy in angioplasty of femoropopliteal artery disease with drug-coated balloons (five-year results of the AcoArt I) (S)

TBA

SELUTION SLR – the revolution in drug-eluting balloon technology: Impact of calcification on two-year clinical outcome (S)Thomas Zeller, *Bad Krozingen, Germany***A review of hospital episode statistics supports the need of recognised paediatric vascular surgery in England (T)**Jun Cho, *London, United Kingdom***Saphenous vein graft bypass versus drug-coated devices in femoropopliteal artery occlusion: A Bayesian network meta-analysis (T)**Rui Zhang, *Beijing, China***Focal dissection repair after DCB angioplasty: 12-month results of tack-optimised balloon angioplasty (TOBA) III (S)**Christian Wissgott, *Rendsburg, Germany***Dual vs. single antiplatelet therapy following peripheral arterial endovascular intervention for chronic limb threatening ischaemia: Retrospective cohort study (S)**Natasha Chinal, *Bristol, United Kingdom***Younger patients have worse outcomes following peripheral vascular interventions for suprainguinal arterial occlusive disease**Mohammad Eslami, *Pittsburgh, United States***Surgical management of carotid body tumours: 24 years' experience at Royal Medical Services Amman**Mohammad Raffat Jaber, *Long Beach, United States***Endovascular native vessel recanalization and subsequent graft resection as a treatment option in managing infected prosthetic vascular grafts (S)**Sebastian Carpenter, *Hamburg, Germany***iWounds****Health-related quality of life outcomes and hospitalisation time after autologous micro-fragmented adipose tissue injection in minor amputations for diabetic foot ulceration: results from a randomised-controlled single centre clinical trial (T)**Nicola Leone, *Modena, Italy***Fibrin-based delivery of engineered VEGF and PDGF-BB improves angiogenesis and diabetic wound healing (T)**Rosalinda D'Amico, *Basel, Switzerland***Venous Global Stars and Rising Stars****Podium 1st: Estimating the extent of postthrombotic ilioacaval obstructions prior to endovascular recanalisation – a comparison of different imaging modalities**Oliver Schlager, *Vienna, Austria***Duplex assessment of neovalves and artificial vein valves**Raghu Kolluri, *Columbus, United States***Stent design evaluation – less material better the results – data from Aachen animal study**Houman Jalaie, *Aachen, Germany***Case-control study on the frequency of both pelvic vein incompetence and pelvic varices in women with chronic pelvic pain**Charles McCollum, *Manchester, United Kingdom***Results of a study on diameter of great saphenous vein in daily French phlebological practice (diagram study) and impact on regulation in France**Matthieu Josnin, *La Roche sur Yon, France***Patency rates, safety and clinical results in the treatment of chronic iliofemoral venous outflow obstruction – data from the Arnsberg venous registry**Michael Lichtenberg, *Arnsberg, Germany***The prevalence of deep vein thrombosis in patients receiving extra-corporeal membrane oxygenation in critical care**Steven Rogers, *Manchester, United Kingdom***Technical issues, migration, jailing and penetration after deep venous stenting**Houman Jalaie, *Aachen, Germany***The role of an angioplasty balloon in opening a chronic venous obstruction**Gerard O'Sullivan, *Galway, Ireland***Modified protocol of one extra drop endovenous cyanoacrylate made a statistical difference in two years' closure rate in great saphenous vein ≥8mm in diameter**Yiu Che Chan, *Hong Kong, China***IVC filters – who are the patients that benefit the most**Richard McWilliams, *Liverpool, United Kingdom***Venous Abstract presentations****Is a new combined treatment with laser 980nm in the proximal GSV and foam sclerotherapy at the distal GSV is useful nowadays to treat the venous incompetence of the lower extremities? (S)**Rebeca Reachy Lugo, *San Luis Potosi, Mexico***Surgical management of inferior vena cava tumour thrombus in renal cell carcinoma (S)**Vladislav Treska, *Pizen, Czech Republic***Mid-term results of using novel radial fibres for endovenous laser ablation (S)**Hovsep Manjikian, *Moscow, Russia***Quality of life after catheter-directed thrombolysis and standard anticoagulation for iliofemoral deep vein thrombosis (T)**Jithin Jagan Sebastian, *Chennai, India***Contralateral deep vein thrombosis after stenting across the ilioacaval confluence in chronic venous disease – a systematic review (T)**Luis Gamas, *Porto, Portugal***Reducing hyperpigmentation after sclerotherapy (RHYAS) study: Results of a multicentre, randomised, controlled, clinical trial (S)**Alejandro Jose Gonzalez Ochoa, *St. Louis, Mexico***Does BMI affect patient satisfaction after varicose vein surgery? (T)**Amr Abdelhalim, *Derby, United Kingdom***The relation between strain-gauge plethysmography, duplex ultrasound and clinical severity in patients with isolated great saphenous vein incompetence (T)**Oskar Nelzén, *Linköping, Sweden***Is the Villalta scale disease specific for post thrombotic syndrome? (T)**Kemal Kemal, *London, United Kingdom***EPS: A new aetiology-based classification of preclinical saphenous vein insufficiency (S)**Johann Christoph Ragg, *Berlin, Germany***Mechanochemical vs. thermal ablation of great saphenous veins: Three-year results of a randomised controlled trial (S)**Sari Vahaaho, *Espoo, Finland***Cyanoacrylate vein ablation: The first data by the Italian Working Group (S)**Mattia Mirandola, *Peschiera del Garda, Italy***Increasing complexity of open reconstruction for benign superior vena cava syndrome in the era of endovascular first intervention (S)**Manju Kalra, *Rochester, United States***Emerging importance of molecular pathogenesis of vascular malformations in clinical practice and classifications (T)**Calver Pang, *London, United Kingdom***Iliac vein stenting in iliofemoral deep vein thrombosis post catheter-directed thrombolysis (T)**Jithin Jagan Sebastian, *Chennai, India***Mechanochemical ablation versus cyanoacrylate in the treatment of varicose veins (MOCCA trial) (T)**Amjad Belramman, *London, United Kingdom***Saphenofemoral stump reflux 900 days after endovenous laser flush ablation of the incompetent great saphenous vein: A prospective randomised study (S)**Juris Rits, *Riga, Latvia***Metabolic profiling of biofluids in chronic venous disease via mass spectrometry (T)**Sarah Onida, *London, United Kingdom***Outcomes after staged radicle debulking for chronic lower extremity lymphedema using the Singh-Cooper protocol (S)**Kuldeep Singh, *Staten Island, United States***A systematic review and meta-analysis of reflux patterns in chronic venous disease (T)**Matthew Tan, *London, United Kingdom***A venous stent trial: 24-month results (S)**Rick Settlege, *Colorado Springs, United States*

Abdominal Aortic Global Stars and Rising Stars

Ten-year age-stratified survival following endovascular and open abdominal aortic aneurysm repair	Rens Varkevisser, Boston, United States
Evaluation of steerable guide sheath technology in complex endovascular aneurysm repair	Simon Neequaye, Liverpool, United Kingdom
Inflammation affects mortality rates in EVAR – managing the sac with EVAS to improve outcomes	Marc Schermerhorn, Boston, United States
Centre volume threshold for open abdominal aortic aneurysm repair	Kevin Mani, Uppsala, Sweden
The median size of ruptured internal iliac artery is almost the same than in abdominal aortic aneurysm	Maarit Venemo, Helsinki, Finland
New evidence that endoanchors can facilitate and maintain successful standard EVAR for AAAs with challenging proximal necks: From the ANCHOR registry	François Saucy, Lausanne, Switzerland
A discovery of a new family of genes involved in abdominal aortic aneurysms	Kak Khée Yeung, Amsterdam, Netherlands
Imaging of flow patterns in the aortoiliac segment using a novel contrast-enhanced high-frequency ultrasound	Michel Reijnen, Arnhem, Netherlands
Technical solutions for the angulated neck in EVAR	Jonathan Boyle, Cambridge, United Kingdom
Total aortic volume and the risk of abdominal aortic aneurysm rupture	Athanasios Giannoukas, Larissa, Greece
Treatment of aortic graft infection: A nationwide study	Anders Wanhainen, Uppsala, Sweden
Cell saver should be used for autotransfusion on all cases of open abdominal aortic aneurysm repair	Thomas Forbes, Toronto, Canada
Image fusion during EVAR – an overview of registration and implementation strategies plus tips and tricks	Kak Khée Yeung, Amsterdam, Netherlands
Alternative routes for treatment with iliac side-branch in the presence of previous EVAR	Nikolaos Tsilimparis, Munich, Germany
Improving AAA measurement accuracy using 3D model automation and xMATRIX technology	Henrik Sillesen, Copenhagen, Denmark
Stopping AAA growth	Anders Wanhainen, Uppsala, Sweden
Risk Factors for perioperative mortality following revascularisation for acute aortic occlusion	Mohammad Eslami, Pittsburgh, United States
How to avoid adverse events and reintervention with iliac conformable branching devices: An independent core-lab assessment	Donald Harris, Monona, United States
Five-year survival following endovascular repair of ruptured abdominal aortic aneurysms is improving	Rens Varkevisser, Boston, United States
Acute aortic occlusion: A nationwide cohort of 715 cases	Martin Björck, Uppsala, Sweden
Measuring the impact of aortic aneurysm repair on quality of life using disease specific assessments	Bijan Modarai, London, United Kingdom
Favourable sac dynamics for patients with ruptured abdominal aneurysms treated with EVAR	Hence J M Verhagen, Oegstgeest, Netherlands
Endovascular stent graft for aortic aneurysmal disease in large vessel systemic vasculitis	Rajesh Vijayvergiya, Chandigarh, India
Bovine pericardium used to treat infected aortas	Ludovic Canaud, Montpellier, France
Podium 1st: Minimising anatomical challenges with pre-procedural planning and patient suitability – Update from a Canadian multicentre registry on abdominal endograft	Thomas Forbes, Toronto, Canada
How do we fill the open aortic surgery training gap – new methods and ideas	Alan Lumsden, Houston, United States

Abdominal Aortic Abstract presentations

Outcomes of an iliac branch endoprosthesis using the divisional branches of the internal iliac artery as distal landing zone (T)	Mario D'Oria, Torricella (TA), Italy
Perioperative antithrombotic management and cerebrospinal fluid drainage in thoracoabdominal endovascular aortic aneurysm repair	Corinna Walter, Wien, Austria
Lessons learnt from a pilot abdominal aortic aneurysm screening programme in Central Greece (T)	Konstantinos Batzalexis, Larissa, Greece
The use of endoanchors allows for safe and efficient treatment of ruptured abdominal aortic aneurysms	Trissa Babrowski, Chicago, United States
Prophylactic inferior mesenteric artery embolisation is unnecessary before endovascular aneurysm repair (S)	Suvi Vaaramaki, Tampere, Finland
Is there any change in quality of life of patients who survive an abdominal aortic aneurysm rupture? (S)	Julien Sfeir, Byblos, Lebanon
Prospective assessment of health-related quality of life after endovascular or open repair of aortoiliac obstructive arterial disease	Andrea Xodo, Padova, Italy
Differences in comorbidity between women and men – can they explain the higher risk of mortality in women treated for asymptomatic aortic aneurysms? (T)	Victoria Tedjajirja, Amsterdam, Netherlands
Clinical experience with a patch based large hole closure device (S)	Paul Geudens, Vosselaar, Belgium

A new VCD specifically designed for small arterial vessel closure of the extremities (S)	Rex Teeslink, Augusta, United States
Observing a decade of yearly standardised surveillance in elective EVAR patients with a normal postoperative CT angiogram (T)	Anna Geraedts, Amsterdam, Netherlands
Comparison of fenestrated endovascular vs. open repair for juxta and pararenal abdominal aortic aneurysm on short- and long-term clinical outcomes (T)	Petar Zlatanovic, Belgrad, Serbia
Minimally invasive open conversion for late EVAR failure (S)	Francesco Stilo, Rome, Italy
Early aneurysm sac behaviour in predicting long-term EVAR results (S)	Nunzio Montelione, Rome, Italy
Enhanced recovery after surgery protocol vs. EVAR for isolated abdominal aortic aneurysm (S)	Alessandro Robaldo, Cuneo, Italy
Survey on the preference between open surgical repair and endovascular repair for treatment of abdominal aortic aneurysm (S)	Ricardo Bernardo da Silva, Londrina, Brazil
Dissection of the superior mesenteric artery: Three-year experience from the SURVI Intestinal Stroke Centre (T)	Iannis Ben Abdallah, Paris, France
Outcomes of open operative management of pararenal/paravisceral aortic infection (S)	Manju Kalra, Rochester, United States
Examining the relationship between graft migratory patterns and aortic anatomy in EVAR: A long-term follow-up study of fourth-generation stent grafts (T)	Ammar Adel Abdullah, London, United Kingdom
Ultrasound surveillance is feasible after endovascular aneurysm repair (T)	Lotta Rakemaa, Turku, Finland
Feasibility and outcomes of endovascular repair of internal iliac artery aneurysms with flow preservation (T)	Indrani Sen, Rochester, India
Cost-effectiveness analysis of fenestrated/branched endovascular aortic repair (F/BEVAR) for intact complex aortic aneurysms. A topical review on rationale and evidence (T)	Mario D'Oria, Torricella (TA), Italy
Fast-track open surgical repair vs. EVAR for the treatment of AAA: Short-term results (S)	Paolo Scovazzi, Cuneo, Italy
Safety of patient stratification based on initial imaging follow-up after endovascular aneurysm repair (S)	Suvi Vaaramaki, Tampere, Finland
The effect of suprarenal clamping on kidney function after retroperitoneal abdominal aortic aneurysm repair following an enhanced recovery programme (T)	Alice Phillips, Venice, Italy
The impact of bridging stent and side-branch graft remodelling after branched endovascular aortic repair (S)	Stefano Fazzini, Rome, Italy
Abdominal aortic aneurysm with dissection in a neurofibromatosis type I (NF-I) six-year-old child during treatment of aortic coarctation (T)	Mosaad Soliman, Mansoura, Egypt
A new CT angiography based algorithm to optimise sizing and planning for abdominal chimney endovascular procedures (S)	Stefano Fazzini, Rome, Italy
Long-term results of endovascular vs. open repair of abdominal aortic aneurysms in low-risk patients (T)	Sara Busto Suarez, Santa Eulalia de Morcin, Spain
Duplex ultrasound scanning for endoleak diagnosis after endovascular abdominal aortic aneurysm repair (S)	Chiara Medini, Ferrara, Italy
Value of preliminary selective lumbar and inferior mesenteric artery embolisation to prevent type II endoleaks after EVAR (S)	Daniela Branzan, Leipzig, Germany
Outcomes for patients turned down for treatment following detection of aneurysms by the national abdominal aortic aneurysm screening programme (T)	Kate Stenson, London, United Kingdom
An endovascular approach is safe and effective in the treatment of abdominal aortic aneurysms detected by the national abdominal aortic aneurysm screening programme (T)	Kate Stenson, London, United Kingdom
Red blood cell distribution width is an independent predictor of post-implantation syndrome in patients undergoing endovascular aortic repair for abdominal aortic aneurysm (S)	Gian Franco Veraldi, Verona, Italy
Mid-term outcomes from the endovascular aneurysm sealing programme at a single, large-volume centre (T)	Kate Stenson, London, United Kingdom
Is 55mm a justifiable threshold for abdominal aortic aneurysm repair in octogenarians? Outcomes of intact AAA repair and the influence of comorbidities in a nationwide cohort (T)	Anna Alberga, Amsterdam, Netherlands
Morphological changes after endovascular aneurysm repair in patients with wide infrarenal neck (S)	Pedro (Pere) Altes Mas, Barcelona, Spain
Does a prophylactic treatment of the aneurysm sack help to avoid future clinically relevant endoleaks (S)	Matthias Tenholt, Mannheim, Germany
The Carlisle score can help in predicting long-term survival rate following elective infrarenal abdominal aortic aneurysm repair (T)	Ahmed Elbasty, Farnborough, United Kingdom
Five-year results of robotic surgery for aortoiliac occlusive disease: Current place in minimally invasive vascular surgery (T)	Willy Sutter, Paris, France
Seven years' experience of open retroperitoneal repair for complex abdominal aortic aneurysms (T)	Martin Hossack, Liverpool, United Kingdom
The management of penetrating aortic ulcer of the abdominal aorta (S)	Konstantin Andreichuk, Saint-Petersburg, Russia

Outcomes of open abdominal aortic aneurysm repair in wide infrarenal necks (T)
Andrea Melloni, Milan, Italy

Awareness of ionizing radiation exposure in operating theatres and diagnostic imaging investigations among medical students (T)
Daphne Chia, Cambridge, United Kingdom

Thoracic Aortic Global Stars and Rising Stars

Distribution of air embolisation during TEVAR depends on landing zone: Insights from a pulsatile flow model
Vladimir Makaloski, Bern, Switzerland

Total arch endovascular aortic repair using pre-cannulated fenestrated endografts with mini-cuffs
George Joseph, Vellore, India

Percutaneous access with large introducers sheath (>21Fr) during endovascular repair of thoracic and thoracoabdominal pathology: A propensity matched analysis
Luca Bertoglio, Milan, Italy

Improving long-term dissection outcomes
TBA

Treatment strategies and their efficacy regarding the prevention of spinal cord ischaemia during the complex endovascular aortic repair
Theodosios Bisdas, Athens, Greece

For juxta- and pararenal AAAs, chEVAR can yield good and durable results if certain technical requirements are followed and certain device combinations are used
Frank Arko, Charlotte, United States

Update on the abdominal module of the TIGER registry: Current enrolment and early results
Vincent Rimbaut, Barcelona, Spain

Comparing real-world data in emergent and elective patients from the French PM multicentre study on thoracic devices
Stéphan Haulon, Paris, France

Frozen elephant trunks: Thinking beyond the now
Robert Fisher, Liverpool, United Kingdom

Branch patency of a thoracoabdominal stent graft: One-year follow-up
Tilo Kölbel, Hamburg, Germany

Cost-effectiveness prospective analysis of chimney versus fenestrated endovascular repair for high-risk patients with complex abdominal aortic pathologies
Konstantinos Donas, Münster, Germany

Distal stent-graft induced new entry after TEVAR and FET- insights into a new disease from the European Registry of Endovascular Complications (EuREC)
Martin Czerny, Freiburg, Germany

Distal extended endovascular aortic repair PETTICOAT: A modified technique to improve false lumen remodeling in acute type B aortic dissection
Giovanni Rossi, Oggiono, Italy

Off-the-shelf thoracoabdominal solution
Murray Shames, Tampa, United States

The feasibility of fenestrated and branched endovascular repair of thoracoabdominal aortic aneurysm with reno-visceral arterial anatomical variations
Ahmed Eleshra, Hamburg, Germany

Early experience with a new balloon-expandable endoprosthesis in branched procedures
TBA

Endovascular treatment of native aortic coarctation in late adolescent patient: A case report
Ali Baran Budak, Ankara, Turkey

Value of endoanchors with TEVAR: When should they be used
Theodoros Kratimenos, Athens, Greece

Percutaneous intervention of pulse-less disease of aortic arch (bald aorta) in Takayasu arteritis
Rajesh Vijayvergiya, Chandigarh, India

Open thoracoabdominal aortic aneurysm repair following aortic arch repair with frozen elephant trunk
Drosos Kotelis, Aachen, Germany

Modified thoracoabdominal device to fix EVAS/EVAR failures
Piotr Kasprzak, Regensburg, Germany

Technical paradigms in the management of high-risk patients with juxtarenal aneurysms
Enrico Cieri, Perugia, Italy

Minimising paraplegia in type B aortic dissections
Bijan Modarai, London, United Kingdom

The usage of covered balloon expandable stents for the treatment of PAU
Nikolaos Tsilimparis, Munich, Germany

Short-term and midterm results of Fenestrated Anaconda endograft in patients with previous endovascular aneurysm repair
Mo Hamady, London, United Kingdom

ESAR vs. FEVAR for short aneurysm necks – which is the best technique?
Giovanni Torsello, Münster, Germany

Thoracic Aortic Abstract presentations

Inner branch device for treating aortic arch lesions: Advantages, limitations and updated registry results
Ciro Ferrer, Roma, Italy

The role of heparin in endovascular repair of blunt thoracic aortic injury
Arash Bornak, Miami, United States

Result of hybrid procedure for complex thoracic aortic diseases at Viet Duc Hospital from March 2012 to April 2019 (S)
Son Tung Nguyen, Hanoi, Viet Nam

Endovascular ascending aortic repair in type A dissection (T)
Yunus Ahmed, Ann Arbor, United States

Fenestration mechanical behaviour of commercially available endografts (T)
Jeremie Jayet, Paris, France

Planning the distal stent in frozen elephant trunk repair of thoracic aortic aneurysms: Is there room for improvement? (T)
Sandhir Kandola, Liverpool, United Kingdom

Mid-term results of off-the-shelf arch branch aortic stent graft system (S)
Andrew Holden, Auckland, New Zealand

Intraoperative neurophysiologic monitoring during extended endovascular thoracic or thoracoabdominal aortic aneurysm repair (S)
Reinhard Kopp, Zurich, Switzerland

Simplifying the frozen elephant trunk technique for total aortic arch replacement leads to improved early outcome (S)
Christian Detter, Hamburg, Germany

Total aortic arch replacement and frozen elephant trunk: Mid-term experience from a single centre in Hong Kong (T)
Yan Kit Ho, Hong Kong, Hong Kong

Modified type 2 hybrid arch replacement without circulatory arrest for acute type A aortic dissection (T)
Mingli Li, Taichung, Taiwan

Role of the cardiac synchronised CT angiography in diagnosis and follow-up of the dissection of descending thoracic aorta (S)
Maria Antonella Ruffino, Turin, Italy

What is the risk of paraplegia after TEVAR in the real world? (S)
Yusuke Suzuki, Sendai, Japan

Early results of a thoracic branch endoprosthesis pivotal study: A single-centre experience (S)
Dennis Gable, Dallas, United States

3D aortic models for the endovascular treatment of urgent complex aortic pathologies using physician modified stent grafts (S)
Daniela Branzan, Leipzig, Germany

Visceral stent complications after FEVAR: A review of 653 visceral stents in 236 patients from a high-volume centre (T)
Shaneel Patel, Liverpool, United Kingdom

Early limb reperfusion using a preloaded fenestrated stent graft design during endovascular treatment of pararenal and thoracoabdominal aneurysms (S)
Diletta Loschi, Milano, Italy

Early results of a newly-designed flowdynamics dense mesh stent for residual dissection after proximal repair of acute aortic dissection: A multicentre, prospective, randomised study (S)
Jia Hu, Chengdu, China

Initial clinical experience with a new bidirectional perfusion cannula to prevent left limb ischaemia during left heart bypass for thoracoabdominal open repair (S)
Enrico Rinaldi, Italy

Incidence, predictors, and outcomes of spinal cord ischaemia in elective complex endovascular aortic repair – an analysis of health insurance claims (S)
Christian-Alexander Behrendt, Hamburg, Germany

Acute stroke Global Stars and Rising Stars

A short interval between the neurological index event is a risk factor for CAS but not for CEA
Hans-Henning Eckstein, Munich, Germany

Carotid plaque volume can be accurately be measured by tomographic 3D ultrasound and relates to cerebral ischaemia
Steven Rogers, Manchester, United Kingdom

Long-term outcomes of carotid interventions for the treatment of carotid bifurcation atherosclerotic disease
Athanasios Giannoukas, Larissa, Greece

Quantitative analysis of embolic filter debris load during carotid artery stenting in asymptomatic patients
Michele Antonello, Padua, Italy

Arterial virtual endoscopy using 3D tomographic ultrasound
Charles McCollum, Manchester, United Kingdom

A multicentre, postmarket clinical trial to confirm safety and performance of an absorbable haemostatic material for the management of bleeding in vascular surgery
Ian Loftus, London, United Kingdom

Transcervical carotid stenting with flow reversal is as good as open surgery in symptomatic patients
Ralf Kolvenbach, Dusseldorf, Germany

TCAR is only preferable to carotid endarterectomy in few patients
Michel Makaroun, Pittsburgh, United States

Remot robotic thrombectomy – is this feasible to solve the stroke manpower problem?
Alan Lumsden, Houston, United States

Acute Stroke Abstract presentations

Predicting factors associated with postoperative hypotension following carotid artery stenting (S)
Arash Bornak, Miami, United States

The external validity of carotid RCTs – is the current evidence really transferrable to the “real world”? (S)
Michael Kallmayer, Munich, Germany

Preliminary results from a prospective real-world multicentre clinical practice of CAS using an embolic prevention stent system: The IRONGUARD 2 study (S)
Wassim Mansour, Rome, Italy

RADA16: A self-assembling peptide for haemostasis of vascular anastomosis in carotid endarterectomy (T)
Kate Stenson, London, United Kingdom

Systematic review and meta-analysis on the efficacy and safety of the carotid artery stenting with the transcervical approach (T)
Konstantinos Spanos, Larissa, Greece

Clinical impact of routine cardiology consultation prior to elective carotid endarterectomy in neurologically asymptomatic patients (T)
Francesco Squizzato, Padua, Italy

Completion imaging techniques and their clinical role after carotid endarterectomy (T)	Konstantinos Spanos, Larissa, Greece
The urgent carotid endarterectomy in neurologically unstable patients (S)	Konstantin Andreichuk, Saint-Petersburg, Russia
Common errors that encourage inappropriate use of carotid artery surgery and stenting (S)	Anne Abbott, Melbourne, Australia
Carotid artery stenting in elderly patients (S)	Simon Papoyan, Moscow, Russia
Common carotid artery endovascular clamping for neuroprotection during carotid stenting: Flow-gate system as an innovative treatment approach (S)	Tommaso Castrucci, Roma, Italy

CX Vascular Access Global Stars and Rising Stars

The SONAR study update	Gavin Pettigrew, Cambridge, United Kingdom
Factors affecting the primary functional maturation of autogenous radiocephalic arteriovenous fistula	Hailei Li, Shenzhen, China
Could endovascular AV fistulae be a step in the right direction? Our experience with new 4Fr device	Giovanni Coniglio, Catania, Italy
Follow up flow analysis of percutaneously created arteriovenous fistulas and cannulation sites	Aurangzaib Khawaja, Birmingham, United Kingdom
Maturation of EndoAVF for haemodialysis	Jeffrey Hull, North Chesterfield, United States
Multicentre experience with an external scaffold for upper arm and forearm arteriovenous fistula creation	Robert Shahverdyan, Hamburg, Germany
Mid-term results of percutaneous arteriovenous fistula (pAVF) creation – update on the technique and algorithm of pAVF maintenance	Alexandros Mallios, Paris, France
Outcome analysis of 150 early cannulation grafts: Single-centre experience	Mukesh Kumar Garg, Doncaster, United Kingdom
Our experience with VA grafts in selected haemodialysis patients	Gaspar Mestres, Barcelona, Spain
Outcomes of transradial approach for brachial-cephalic or brachial-basilic arteriovenous fistuloplasty	Ong Chee Wui, Singapore, Singapore
Use of a system and approach to obtain central venous access in patients with thoracic central venous obstruction: Results from the saveus prospective, multicentre IDE study	Ehab Sorial, Los Gatos, United States
Avoiding CVC: How early cannulation grafts can decrease complications and improve patient care	TBA
Experience with the Acuseal graft in vascular access	Alexander Goerig, Stuttgart, Germany
How unique dialysis access technologies help optimise patient outcomes	Joerg Heckenkamp, Osnabrück, Germany

Vascular Access Abstract Presentations

Arterio-arterial loop graft creation for haemodialysis in patients who have exhausted conventional access	Mohammad Raffat Jaber, Long Beach, United States
Posterior segmental patch angioplasty for non-maturing venous dialysis access	Mohammad Raffat Jaber, Long Beach, United States
Safety and efficacy of infraclavicular arterio-arterial chest wall prosthetic loop graft for haemodialysis access. A review of 45 patients (T)	Ahmed Khairy Allam, Benha, Egypt

Comparative outcome of patch angioplasty vs. balloon angioplasty after surgical thrombectomy of thrombosed arteriovenous haemodialysis graft: 18-month results (T)	Ahmed Khairy Allam, Benha, Egypt
Intravascular ultrasound imaging (IVUS) for cephalic arc stenosis of arteriovenous fistulae for haemodialysis access (T)	Valeria Tavolini, Asti, Italy
What impact do different background factors have for receiving an arteriovenous fistula as the first access for haemodialysis. A national audit (S)	Grunilla Welander, Karlstad, Sweden
Stent grafts for the treatment of recurrent cephalic arch stenosis in haemodialysis accesses (S)	Tobias Steinke, Krefeld, Germany
Long-term outcome after inside-out access procedure for effective placement of venous catheters in patients with thoracic central venous obstruction (S)	Tobias Steinke, Krefeld, Germany
A re-entry device for endovascular recanalisation of central venous occlusions associated with failing haemodialysis access (S)	Yohan Kwon, Suwon, South Korea
Balloon-assisted maturation of autogenous arteriovenous fistulae; clinical efficacy and complications: Randomised prospective study (S)	Mosaad Soliman, Mansoura, Egypt
Radial thrill is a reliable predictor of maturation of forearm radiocephalic arteriovenous fistula (S)	Ajay Dabas, Bengaluru, India
Ruptured arteriovenous fistula for haemodialysis with infection. Ligate or save it? (S)	Adel Kamhawly, Tanta, Egypt
The application of artificial intelligence in the recognition of a stenotic vs. none stenotic lesion in autogenous arteriovenous fistula: A pilot study (T)	Ali Kordzadeh, Broomfield, United Kingdom
VasQ support device is associated with improved postoperative vein diameter in radio-cephalic arteriovenous fistula (S)	Filippo Benedetto, Messina, Italy
Assisted primary patency of autogenous AVF following endovascular treatment with their long-term survival (T)	Ali Kordzadeh, Broomfield, United Kingdom
Ultrasound-guided mechanical thromboaspiration of acute thrombosis of dialysis arteriovenous fistulae and grafts: Preliminary results from a single-centre experience (S)	Maria Antonella Ruffino, Turin, Italy
Wearable device for continuous, non-invasive monitoring of vascular access health and fluid status in haemodialysis patients (S)	David Kuraguntla, San Francisco, United States
Survival rate and management of vascular access: Prospective analysis of the population of a single centre (S)	Matteo Tozzi, Varese, Italy
Role of diagnostic central venogram prior to arteriovenous fistula creation in chronic kidney disease patients (S)	Mustafa Razi, Hyderabad, India
Drug-coated balloon and plain old balloon angioplasty for venous outlet stenosis of dysfunctional haemodialysis arteriovenous graft: A single-centre randomised controlled study (S)	Ta-Wei Su, Taoyuan, Taiwan
Cephalic vein transposition for cephalic arc syndrome: A case presentation (S)	Cemal Kocaaslan, Istanbul, Turkey
Pattern of failure in single-stage transposed brachio-basilic arteriovenous fistula (S)	Ajay Dabas, Bengaluru, India



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

Acute Stroke

A filter during carotid artery intervention could push operator's blood pressure high! (S)	Sibasankar Dalai, <i>visakhapatnam, India</i>
Challenging to cryptogenic strokes: Carotid web like a potentially under-recognised source of cerebral embolus (T)	Laura Romero Vazquez, <i>Madrid, Spain</i>
There is an association between coronary calcium score and progression of carotid disease? (S)	Orlando Gabriel Perea, <i>Buenos Aires, Argentina</i>
Is the carotid endarterectomy safe after intravenous thrombolysis for acute ischaemic stroke? (S)	Giuseppe Deiana, <i>Cagliari, Italy</i>
Long-term results in simultaneous and staged reconstructions on brachiocephalic arteries (T)	Victor Kalinin, <i>Nyagan, Russia</i>
Variable use of preoperative imaging prior to carotid endarterectomy for asymptomatic disease (T)	Nathan Itoga, <i>Stanford, United States</i>
Case discussion in acute stroke intervention: Analysis of a published digital case series (S)	Daniel Livingstone, <i>Beckenham, United Kingdom</i>
Carotid artery stenting in high risk patients, immediate and short-term results (S)	Osama Ismail, <i>Sohag, Egypt</i>

Thoracic Aortic

Effects of petticoat technique in remodelling of chronic non-type A aortic dissection (S)	Dennis Hsu, <i>New Taipei City, Taiwan</i>
Use of the Viabahn balloon expandable stent graft in the treatment of the innominate artery obstructive lesions (T)	Andrea Xodo, <i>Padova, Italy</i>
Re-interventions after TEVAR procedures: Single-centre experience (S)	Pavel Bondarenko, <i>St. Petersburg, Russia</i>
Morphological and functional assessment of long-term outcomes of endovascular repair of traumatic thoracic aortic rupture: Preliminary data (S)	Fabrizia Virgilio, <i>London, United Kingdom</i>
Hoarseness due to left recurrent laryngeal nerve palsy in arch aneurysm is not a compressive symptom (T)	Vineeth Kumar, <i>Thiruvananthapuram, India</i>
Endovascular treatment of traumatic blunt aortic injury: A single-centre experience (S)	Yohan Kwon, <i>Suwon, South Korea</i>
A five-year comparison of medically treated vs. surgically treated type B aortic dissections at a tertiary vascular unit (T)	Isaac Kobe, <i>Stoke On Trent, United Kingdom</i>
Outcomes of bridging stent grafts in fenestrated and branched endovascular aortic repair (T)	Efthymios Beropoulos, <i>Muenster, Germany</i>
New technical solutions in custom-made aortic stent graft device. A step forward for easier endovascular repair of complex thoracoabdominal aneurysms? First experience in Europe (S)	Gaetano La Barbera, <i>Palermo, Italy</i>
Endovascular repair of thoracoabdominal aortic aneurysm with a novel integrated multi-branched stent graft (S)	TBA
Impact of collateral spinal cord anatomy on neurophysiological monitoring during thoracoabdominal aortic open repair (T)	Alessandro Grandi, <i>Milano, Italy</i>
Haemodynamic indicator of functional status of type B aortic dissection and of its improvement after thoracic endovascular aortic repair (S)	Jiang Xiong, <i>Beijing, China</i>

Abdominal Aortic

Evaluation of the factors affecting higher costs in isolated elective abdominal aortic aneurysm repair (S)	Yukio Umeda, <i>Gifu, Japan</i>
Using polymer-based sealing for endovascular treatment of abdominal aortic aneurysms with hostile neck features – short- to mid-term results of a single centre (S)	Chun Ling Patricia Yih, <i>Hong Kong, Hong Kong</i>
Mechanical thromboaspiration and relining with covered stent of an occluded renal artery bridging stent after branched endovascular aortic repair (S)	Maria Antonella Ruffino, <i>Turin, Italy</i>
Autologous superficial femoral vein graft used for replacement of infected aortic prosthetic grafts and in high infection-risk cases (S)	Robert Staffa, <i>Brno, Czech Republic</i>
Use of uncovered E-XL nitinol stent in combination with TEVAR and complicated EVAR and highly angulated necks (S)	Rolf Dammrau, <i>Merzenich, Germany</i>
Endovascular management of midaortic syndrome infrarenal type with unusual and late presentation in middle age patient (S)	Mahmoud Elmeniesy, <i>Al-Ahsa, Saudi Arabia</i>
Impact of left renal vein division during abdominal aortic aneurysm surgery on immediate and long-term renal function-prospective non randomised study from a large volume tertiary care centre (T)	Harishankar Ramachandran Nair, <i>Trivandrum, India</i>
CD40L & CD105 as predictive biomarkers for abdominal aortic aneurysm development: A pilot study using a murine model (T)	Kyriaki Kakavia, <i>Athens, Greece</i>

A new closure device - how to close large bore sheaths with a single device, leaving nothing behind (S)	Rex Teeslink, <i>Augusta, United States</i>
Localised aortic primary stenting for focal aortic stenosis; review of nine patients with short-term outcome (T)	Mohamed Ismail, <i>Cairo, Egypt</i>
Simultaneous endovascular treatment of severe aortic stenosis and abdominal aortic aneurysm. Presentation of five cases (S)	Fernando Belcastro, <i>Buenos Aires, Argentina</i>
Multicentric evaluation of radiation exposure in superior mesenteric artery stenting: Impact of awareness on radiation safety and dedicated extra-low dose protocol (T)	Nicolas Massiot, <i>Reims, France</i>
Mid-term results of parallel grafts in patients with pararenal and type IV thoracoabdominal aortic aneurysms unsuitable for fenestrated/branched endografts (S)	Wassim Mansour, <i>Rome, Italy</i>
Case and technique specific preoperative planning using a 3D printer for complicated aortoiliac pathologies (S)	Hiroshi Mitsuoka, <i>Shizuoka, Japan</i>
Hybrid laparoscopic endovascular abdominal aortic aneurysm repair (T)	Elda Chiara Colacchio, <i>Padova, Italy</i>
Choice of EVAR device for treating patients with highly angled aortic neck anatomy impacts on patient outcomes (S)	Hiroshi Mitsuoka, <i>Shizuoka, Japan</i>
Association of SARC-F score and Rockwood Clinical Frailty Index with CT-derived muscle mass in patients with aortic aneurysms (T)	Maciej Juszcak, <i>Birmingham, United Kingdom</i>
Early and mid-term outcome after use of the large balloon expandable BeGraft aortic stent graft system for infrarenal aortic pathologies (S)	Vladimir Makaloski, <i>Bern, Switzerland</i>
Outcomes after contemporary elective EVAR – 13-year experience of a single NHS trust (T)	Lola Ogunasanya, <i>Hove, United Kingdom</i>
Type 4 endoleak after endovascular treatment for bilateral iliac artery aneurysm with arteriovenous fistula: A case report (S)	Ta-Wei Su, <i>Taoyuan, Taiwan</i>
The efficacy of lumbar artery embolization with or without patent IMA during endovascular abdominal aneurysm repair (S)	Masami Shingaki, <i>Hakodate, Japan</i>
Management of mycotic aneurysms of the aorta and iliac arteries: A 30 years' single-centre experience (T)	Simona Sica, <i>Rome, Italy</i>
EVAR practice in the UK and NICE draft guidelines - a medical ethics' perspective (T)	Benjamin Armon, <i>Newcastle, United Kingdom</i>
Juxtarenal aortoiliac occlusive disease - contemporary results of surgical management and outcome in a tertiary care centre in North India (T)	Sriharsha Balraj, <i>Chandigarh, India</i>

Vascular Access

First vascular access planning – is dialysis a determining factor in the choice of the type of vascular access? (T)	Evelise Pinto, <i>Vila Nova de Gaia, Portugal</i>
Plication and banding with external support stent in two stages of a giant aneurysmal arteriovenous fistula (T)	Israel David Leblis Ramirez, <i>Madrid, Spain</i>
Haemodialysis access salvage in the setting of central venous outflow obstruction (S)	Dean Yamaguchi, <i>Greenville, United States</i>
Impact of isometric exercise in adolescents with end-stage kidney disease and unsuitable vessels for an autologous arteriovenous fistula (S)	Maria Belen Ramirez Senent, <i>Madrid, Spain</i>
Endovascular management for salvage of failing arteriovenous fistula (T)	Mohamed Ismail, <i>Cairo, Egypt</i>
Percutaneous venoplasty for central venous stenosis: Effect on patient's symptoms and patency of arteriovenous accesses (S)	Zia Ur Rehman, <i>Karachi, Pakistan</i>

Peripheral

Surgical revascularisation using an autogenous vein in patients with popliteal artery injury: Lessons learned from 11 consecutive cases (S)	Young Sun Yoo, <i>Gwangju, Korea, Republic of</i>
Surgical management of carotid body tumours: 24 years' experience at Royal Medical Services Amman	Mohammad Raffat Jaber, <i>Long Beach, United States</i>
An assessment of the accuracy of detection for external iliac artery and common iliac arterial stenosis by ultrasound versus magnetic resonance imaging (S)	Gavin Hope, <i>Gateshead, United Kingdom</i>
Axillary artery pseudoaneurysm after Kirschner needle placement in a shoulder dislocation with concomitant fracture (T)	Rocio Vazquez Perez, <i>Leon, Spain</i>
Is "light" always right? Vascular pathology in cannabis users: A review of cases of surgical interest (S)	Valeria Silvestri, <i>Rome, Italy</i>
Management of de novo long femoropopliteal occlusions; plain balloon, drug coated balloon, bare metal stent; comparative study (S)	Osama Ismail, <i>Sohag, Egypt</i>

The impact of the nutritional and inflammatory status on patients with critical ischaemia of lower limbs (S)

Enrique Maria San Norberto Garcia, *Valladolid, Spain*

Red blood cell distribution width predicts one-month complications after percutaneous transluminal angioplasty (S)

Luca Mezzetto, *Verona, Italy*

Using maximal systolic acceleration to diagnose and assess the severity of peripheral arterial disease in a flow model study (T)

Jeroen Brouwers, *Den Haag, Netherlands*

Remote ischaemic preconditioning attenuates cardiac biomarkers during vascular surgery: A randomised clinical trial (S)

Jaak Kals, *Tartu, Estonia*

Operating room inefficiency: Time for surgeons to take back control (S)

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