

British Society of Endovascular Therapy

2024

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MEE



27th – 28th June 2024 • Tortworth Court Hotel, South Gloucestershire

Society Sponsors





Annual Meeting 2024

Thursday 27th June - Friday 28th June Tortworth Court Hotel, South Gloucestershire

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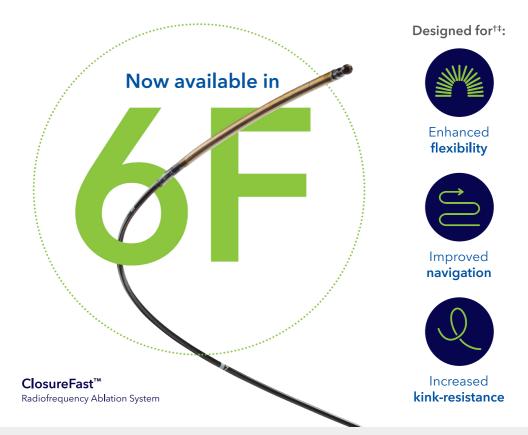
ABSTRACT SESSIONS

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1. ClosureFast[™] Procedures. Medtronic data on file, 2022.

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09.00 - 09.05	WELCOME
	Bijan Modarai, BSET President
09.05 - 09.35	ROULEAUX CLUB & BSIRT SYMPOSIUM
	Chairs: Bijan Modarai, BSET President, Andrew Nickinson, Rouleaux Club President, and Alex Hardman, BSIRT representative
09.05 - 09.15	UK endovascular training survey results
	Alex Hardman, BSIR Trainee
09.15 - 09.25	Developing a subspecialty practice post CCT
	Sandip Nandhra, Consultant Vascular Surgeon, Newcastle Hospitals NHS Foundation Trust
09.25-09.35	How to be a generalist in the world of super specialisation
	Hannah Travers, Consultant Vascular Surgeon, South Devon and Exeter Vascular Network

09.35 - 09.50	BSET FELLOWSHIP REPORT
	Chairs: Emma Wilton & Paul Moxey
	2023 Training Fellowship
	Anisha Perera
	2023 Travel Fellowship
	Ummul Contractor
	2022 Travel Fellowship
	Jun Cho

09.50 - 10.30	ABSTRACT SESSION 1 – (4 + 2 minutes)
	Chairs: Barend Mees, Colin Bicknell & Kaji Sritharan
09.50 - 09.56	Long-term survival and reintervention following thoracic endovascular aortic repair in blunt traumatic thoracic aortic injury: A systematic review and meta-analysis
	Aya Hammad¹, Matti Jubouri ¹ , Abdelaziz O. Surkhi ² , Mohamad Bashir ³ ¹ University Of York, York ² Faculty of Medicine, Al-Quds University, Jerusalem, Palestine ³ Velindre University NHS Trust, Cardiff

09.56 - 10.02	The association between social deprivation and survival after ruptured aortic aneurysms in a UK population
	James Budge ¹ , Keith Farrell-Dillon ² , Oliver Rees ² , Bilal Azhar ¹ , Iain Roy ² , William Selway ² , Barnaby Farquharson ² , Aurelien Gueroult ² , Ian Loftus ² , Peter Holt ¹
	¹ St George's University of London, London ² St George's University Hospitals NHS Foundation Trust, London
10.02 - 10.08	Multimodality approach to the repair of chronic post-dissection thoracic and thoracoabdominal aortic aneurysms
	Katarzyna Powezka , Maciej Juszczak, Massimo Vezzosi, Martin Claridge, Paul Clift, Eshan Senanayake, Jorge Mascaro, Donald J. Adam University Hospitals of Birmingham NHS Foundation Trust, Birmingham
10.08 - 10.14	Long-term outcomes of Fenestrated Endovascular Repair (FEVAR): A GLOBALSTAR registry study - preliminary results
	<i>Aurélien Guéroult</i> ¹ , <i>BSET Committee</i> ² , <i>GLOBALSTAR Collaborators</i> ³ ¹ St George's Vascular Institute, London ² BSET, London ³ Globalstar, London
10.14 - 10.20	Stent migration following EVAR: Predicting migration in contemporary practice
	Ammar Adel Abdullah ¹ , Lydia Hanna ¹ , Ahmed Bakr ² , Asif Mahmood ² , Celia Riga ¹ , Colin Bicknell ¹ ¹ Imperial College London, London ² University Coventry Hospital, Coventry
10.20 - 10.26	Unstented coeliac axis in custom-made 4-vessel FEVAR is safe and durable
	Anisha Perera ¹ , James Budge ² , Aurelien Gueroult ¹ , Iain Roy ¹ , Bilal Azhar ² , Ian Loftus ¹ , Peter Holt ² ¹ St George's Vascular Institute, London ² St George's, University of London, London
10.30 - 10.50	GUEST LECTURE
	Chairs: Barend Mees and Colin Bicknell

Collaborative data collection in complex aortic repair: what does this tell us and what questions are still left unanswered? Gustavo Oderich, John P. and Kathrine G. McGovern Professor of Surgery and Distinguished Chair of Vascular and Endovascular Surgery at the University of Texas Health Science Centre at Houston (UTHealth), USA

10.50 – 11.20 COFFEE

11.20 - 11.35	SOCIETY SPONSOR: ABBOTT		
	Chairs: Becky Sandford & Martin Clarido	ge	
	Subintimal Supera stenting in complex with CLTI - The SuperSub 2	CTO in patients	
	Mariano Palena, Interventional Radiologi Abano Terme (PD), Italy	ist, Policlinico	Abbott
11.35 - 11.55	DEBATE (7 + 7 + 6)		
	Chairs: Becky Sandford & Martin Claridge		
	Luminal gain equates to patient gain in	peripheral arteria	al disease
	Caitlin Hicks, Associate Professor of Surgery in the Division of Vascular	AGAINST: Keith Jones, Consul Surgeon, Frimley H Foundation Trust	
11.55 - 12.10	0 SOCIETY SPONSOR: GORE		
	Chairs: Katharine Lewis and Paul Bevis		
	GORE® VIABAHN® VBX Balloon Expand Endoprosthesis (VBX Stent Graft) Clinic Updates		GORE
	Arjan Hoksbergen, Consultant Vascular S Amsterdam University Medical Centre	Surgeon,	Creative Technologies Worldwide
12.10 - 12.30	GUEST LECTURE		
	Chairs: Katharine Lewis and Paul Bevis		
	IR and vascular surgery collaboration is not just a dream but the only acceptable future		
	Rob Morgan, Consultant Interventional R BSIR President	adiologist, St Geor	ge's Hospital and
12.30 - 13.40	LUNCH		
13.40 - 14.00	DEBATE (7 + 7 + 6)		
	Chairs: Andy Wigham & Emma Wilton		
	Deep venous stents: we know where to	put them, but we	don't know who

14.00 – 14.15 SOCIETY SPONSOR: MEDTRONIC		
	Chairs: Andy Wigham & Emma Wilton	
	SmartPlan Pro: shaping the future of cardiovascular care with predictive simulations	Mecttronic
	Jean-Noël Albertini, Vascular Surgeon and CEO, Predisurge	5
14.15 - 14.45	ABSTRACT SESSION 2 - (4 + 2 minutes)	
	Chairs: Nadeem Shaida, Nikesh Dattani & Rob Morgan	
14.15 – 14.21	Which stents perform best in the common femoral arter consecutive series of 55 cases	y? An analysis of a
	Marta Madurska, Emma Scott, Klaus Overbeck South Tyneside and Sunderland NHS Foundation Trust, Su	underland
14.21 - 14.27	Toward a core outcome set for intermittent claudication: review of reported outcomes	A systematic
	Akam Shwan ^{1,2,3} , Segun Lamidi ¹ , Calvin Chan ⁴ , Elizabeth Du Song-Smith ⁵ , Lydia Hanna ^{4,6} , Viknesh Sounderajah ⁴ , John H Sayers ^{1,2,3} ¹ Department of Cardiovascular Sciences, University of Le ² Leicester Vascular Institute, University Hospitals of Leice Leicester ³ National Institute for Health Research Leicester Biomedi Centre – The Glenfield Hospital, Leicester ⁴ Department of Surgery and Cancer, Imperial College London ⁵ University College London Medical School, London ⁶ Department of Vascular Surgery, Imperial College Health London	oughton ^{1,2,3} , Rob icester, Leicester ester NHS Trust, cal Research don, London
14.27 – 14.33	The natural history of splenic artery aneurysms: A decad a large tertiary vascular centre	e's experience at
	Robert Leatherby ^{1,2} , David Li ^{1,2} , James Budge ^{1,2} , Adelola Os Howroyd ³ , Peter Holt ^{1,2} , Iain Roy ^{1,2} ¹ St George's Vascular Institute, St George's University Ho Foundation Trust, London ² Cardiovascular & Genetics Institute, St George's Univers London ³ Interventional Radiology Department, St George's Univer Foundation Trust, London	spital NHS ity of London,
14.33 – 14.39 Rate and predictors of disease progression to chronic lin ischaemia in patients with non-surgically managed inter claudication: A systematic review		
	Joseph Froud ¹ , Madeleine Landin ¹ , Arsalan Wafi ² , Sarah Wh Bearne ^{3,4} , Ashish Patel ² , Bijan Modarai ² ¹ Guy's and St Thomas' NHS Foundation Trust, London ² Academic Department of Vascular Surgery, St Thomas' Ho ³ Population Health Research Institute, St George's University ⁴ Department of Population Health Sciences, King's College	spital, London of London, London

14.39 - 14.45	A retrospective study of the rate of complications in infra- inguinal angioplasties: SFA vs CFA percutaneous approach
	Muhammad Asghar Butt, Muhammad Usman Cheema
	Pilgrim Hospital, Boston

14.45 - 15.05	GUEST LECTURE
	Chairs: Nadeem Shaida, Nikesh Dattani & Rob Morgan
	Endovascular advances in renal access
	Kate Steiner, Consultant Interventional Radiologist, East and North Hertfordshire NHS Trust

15.05 – 15.35 TEA

15.35 - 15.50	15.35 – 15.50 SOCIETY SPONSOR: COOK MEDICAL	
	Chairs: Dave Bosanquet & Katharine Lewis	
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	Paul Moxey, Consultant Vascular Surgeon, St George's NHS Trust	MEDICAL

15.50 - 16.20	CASE DISCUSSIONS
	Chairs: Mike Jenkins and Martin Claridge
	Aorto-iliac
	Barend Mees, Vascular and Endovascular Surgeon, Maastricht, Netherlands
	Aortic
	Gustavo Oderich, John P. and Kathrine G. McGovern Professor of Surgery and Distinguished Chair of Vascular and Endovascular Surgery at the University of Texas Health Science Centre at Houston (UTHealth), USA
	Below the knee
	Ashish Patel, Clinical Senior Lecturer in Vascular Surgery and Consultant Vascular Surgeon, St Thomas' Hospital, London
16.20 - 16.40	THE ROLE OF THE EXTENDED TEAM IN MANAGING SURVEILLANCE PROGRAMMES
	Chairs: Martin Claridge & Shiva Dindyal
16.20 - 16.27	EVAR surveillance in the 2020s: a pragmatic multimodal approach
	Katy Bloom, Clinical Vascular Scientist, University of Birmingham

16.27 – 16.34	The role of the vascular scientist in the postoperative management of patients with lower limb revascularisation
	Soundrie Padayachee, Consultant, Ultrasonic Angiology, Guy's and St Thomas' Hospital
16.34 - 16.40	DISCUSSION
16.40 - 17.40	AORTIC PRIZE ABSTRACT SESSION - (7 + 3 minutes)
	Chairs: Gustavo Oderich, Rachel Bell & Simon Neequaye
16.40 - 16.50	Long term aortic remodelling outcomes for acute Type B aortic dissection
	Barnaby Farquharson , James Budge, Bilal Azhar, Iain Roy, Mital Desai, Ian Loftus, Peter Holt St George's Vascular Institute, London
16.50 - 17.00	Biological effects of radiation exposure in patients treated with X-ray guided endovascular aortic repair
	Tian T Yeong ¹ , Mohamed A Abdelhalim ¹ , Jayne Moquet ² , Stephen Barnard ² , Grainne OBrien ³ , Alberto Smith ¹ , Christophe Badie ³ , Ashish Patel ¹ , Elizabeth Ainsbury ² , Samantha YA Terry ⁴ , Bijan Modarai ¹ ¹ King's College London, Academic Department of Vascular Surgery, School of Cardiovascular Medicine and Metabolic Medicine & Sciences, BHF Centre of Research Excellence, Guys and St Thomas' NHS Trust, London ² Cytogenetics Group, UK Health Security Agency, Chilton, Oxfordshire ³ Cancer Mechanisms and Biomarkers Group, UK Health Security Agency, Chilton, Oxfordshire ⁴ King's College London, School of Biomedical Engineering & Imaging Sciences, London
17.00 - 17.10	Interim MRI results of patients in INTERCEPTevar trial: Multicentre pilot randomised controlled trial of carbon dioxide flushing versus saline flushing of thoracic aortic stents
	Stephen Crockett ¹ , Lydia Hanna ¹ , Abhinav Singh ¹ , Stephen Gunning ¹ , Richard Nicholas ¹ , Colin Bicknell ¹ , Mohamad Hamady ¹ , Dennis Gable ² , Morad Sallam ³ , Bijan Modarai ³ , Said Abisi ³ , Oliver Lyons ⁴ , Richard Gibbs ¹ ¹ Imperial College London, London ² Baylor Scott White Institute, Plano, Texas, USA ³ Guy's and St Thomas' NHS Foundation Trust, London ⁴ Canterbury District Health Board, Canterbury, New Zealand
17.10 - 17.20	Machine learning algorithm development for longitudinal sarcopenia assessment of perioperative complex endovascular aortic aneurysm repair
	Tamer El-Sayed ¹ , Manish Bhardwaj ² , Ashwin Sivaharan ¹ , Varun Ojha ² , Huizhi Liang ² , Sandip Nandhra ¹ ¹ The Northern Vascular Centre, Freeman Hospital, Newcastle University, Newcastle ² School of Computing at Newcastle University, Newcastle

FOR: Andrew Garnham

17.20 - 17.30	An early postoperative sac radiomic signature associates with 1-year sac non-regression on follow-up after endovascular repair of infrarenal aortic aneurysm
	Keith Farrell-Dillon ¹ , Bilal Azhar ^{1,2} , Rhodri Furlong ¹ , Mark Young ¹ , Iain Roy ^{1,2} , Ian Loftus ^{1,2} , Peter Holt ^{1,2} , James Budge ^{1,2} ¹ St George's University Hospitals NHS Foundation Trust, London ² St George's University, London
17.30 - 17.40	Sex-specific comparison of vascular morphology and thrombus burden, adjusting for relative size and concomitant cardiovascular disease burden
	Anna Pouncey ¹ , Edmund Charles ¹ , Ruth Scicluna ² , Matthew Bown ² , Manj Gohel ³ , Linda Sharples ⁴ , Colin Bicknell ¹ , Janet Powell ¹ ¹ Imperial College London, London ² University Hospitals of Leicester NHS Trust, Leicester ³ Cambridge University Hospitals NHS Foundation Trust, Cambridge ⁴ London School of Health and Tropical Medicine, London
17.40 - 18.00	THE PRESIDENT'S DEBATE
17.40 - 10.00	
	Introduced by Martin Claridge
	A 5.5cm abdominal aortic aneurysm is just a marker of atherosclerosis and not a threshold for intervention

AGAINST: Bijan Modarai

8.30 - 9.00	ABSTRACT SESSION 3 - (4 + 2 minutes)	
	Chairs: Barend Mees, Becky Sandford and Shiva Dindyal	
8.30 - 8.36	Defining the demographics of the 'non-dissecting' acute aortic syndromes	
	Will Selway ¹ , James Budge ¹ , Dan Carradice ² , Raghuram Lakshminarayan ² , Paul Bevis ³ , Alex Rolls ^{4,5} , Michael Jenkins ⁴ , Peter Holt ¹ , Ian Loftus ¹ ¹ St George's Vascular Institute, London ² Hull Royal Infirmary, Hull ³ North Bristol NHS Trust, Bristol ⁴ St Mary's Hospital, London ⁵ Fiona Stanley Hospital, Perth, Australia	
8.36 - 8.42	Utilisation of artificial intelligence (AI) technologies to identify acute aortic syndromes from radiology reports	
	Katarzyna Powezka ¹ , Radhika Acharya ¹ , Karin Slater ² , Michael Wall ³ , Georgios Gkoutos ² , Massimo Vezzosi ¹ , Martin Claridge ¹ , Donald Adam ¹ , Maciej Juszczak ^{1,2} ¹ University Hospitals of Birmingham NHS FT, Birmingham ² University of Birmingham, Birmingham ³ Dudley Group NHS FT, Dudley	
8.42 - 8.48	Identifying health inequities in Intermittent Claudication: Natural Language Processing insights into ethnicity, social deprivation, and vascular care	
	Joseph Froud ¹ , Madeleine Landin ¹ , Ashish Patel ² , Alberto Smith ² , Jack Wu ³ , Kevin O'Gallagher ³ , Bijan Modarai ² ¹ Guy's and St Thomas' NHS Foundation Trust, London ² Academic Department of Vascular Surgery, St Thomas' Hospital, London ³ School of Cardiovascular and Metabolic Medicine & Sciences (SCMMS) King's College London, London	
8.48 - 8.54	A pilot study of sustainability in endovascular surgery – Where does all the packaging go?	
	Hannah Burton , Arindam Chaudhuri Bedfordshire Hospitals NHS Foundation Trust, Bedford	
8.54 - 9.00	Comparative readability analysis of traditional and large language model derived patient information leaflets in vascular surgery	
	Matthew Pettit ¹ , Iain Roy ¹ , James Budge ² ¹ St George's Hospital, London ² St George's University, London	

9.00 - 9.25	VASCULAR SOCIETY SESSION
	Sustainable endovascular surgery
	Andrew Garnham, VSGBI President
	Delivery of the Provision of Vascular Services (POVS) 2021 standards
	Marcus Brooks, VSGBI Honorary Secretary
	Protecting patients from harm through robust training standards
	Patrick Coughlin, VSGBI Education and Training Committee Chair

9.25 – 9.32	GOLD SPONSOR PRESENTATION: SHOCKWAVE	
	Chairs: Kaji Sritharan and Simon Neequaye	
	Maintaining Options in Iliac Calcification with IVL	
	Ashish Patel, Clinical Senior Lecturer in Vascular Surgery and Consultant Vascular Surgeon, St Thomas' Hospital, London	

9.32 – 9.55	GUEST LECTURE
	Chairs: Mike Jenkins & Simon Neequaye
	New kids on the block: novel techniques in treating peripheral arterial disease
	Caitlin Hicks, Associate Professor of Surgery in the Division of Vascular Surgery at Johns Hopkins University School of Medicine, Baltimore, USA

9.55 – 10.25	UPDATE ON UPCOMING ENDOVASCULAR TRIALS IN THE UK
	Chairs: Dave Bosanquet and Rob Hinchliffe
	Leader-PAD: Rob Hinchliffe
	EVOCC: Athanasios Saratzis
	CLARITY: Chris Twine
	THRIVE: Alun Davies
	WARRIORS: Colin Bicknell

10.25 – 11.00 COFFEE

11.00 - 11.07	GOLD SPONSOR PRESENTATION: TERUMO AORTIC	
	Chairs: Emma Wilton and Paul Moxey	
	Early Experience with the Custom-made Treo fenestrated device	TERUMO
	Professor F Serracino-Inglott, Consultant Vascular Surgeon, Manchester Royal Infirmary	Aortic

11.07 - 11.30	ENDOVASCULAR TRAINING SYMPOSIUM
	Chairs: Katharine Lewis, Paul Moxey and Keith Jones
11.07 – 11.12	The US perspective
	Gustavo Oderich, John P. and Kathrine G. McGovern Professor of Surgery and Distinguished Chair of Vascular and Endovascular Surgery at the University of Texas Health Science Centre at Houston (UTHealth), USA
11.12 – 11.17	The UK perspective – how we got here
	Jonathan Boyle, Consultant Vascular Surgeon, Cambridge University Hospitals NHS Trust
11.17 – 11.22	The future model for all specialties
	Rob Morgan, Consultant Interventional Radiologist, St George's Hospital and BSIR President
11.22 – 11.30	DISCUSSION

11.30 - 11.37	GOLD SPONSOR PRESENTATION: BENTLEY	
	Chairs: Athanasios Saratzis and Andy Wigham	
	The choice and durability of bridging stents in complex aortic repair	😂 Bentley
	Said Abisi, Consultant Vascular Surgeon, Guy's and St Thomas' Hospital, London	

11.37 – 12.47	PERIPHERAL PRIZE ABSTRACT SESSION – (7 + 3 minutes)	
	Chairs: Caitlin Hicks, Athanasios Saratzis and Andy Wigham	
11.37 – 11.47	Tailored risk assessment and forecasting in intermittent claudication using machine learning	
	Bharadhwaj Ravindhran ¹ , Jonathon Prosser ¹ , Ross Lathan ¹ , Bhupesh Mishra ² , Daniel Carradice ¹ , George Smith ¹ , Dhaval Thakker ² , Ian Chetter ¹ , Sean Pymer ¹ ¹ Hull York Medical School, Hull ² University of Hull, Hull	
11.47 – 11.57	Long term outcomes of hybrid revascularisation for complex peripheral arterial disease	
	Arsalan Wafi , Frederick Ross, Muzzafer AA Chaudery, Trixie Yap, Talia Lea, Sanjiban Mandal, Syed Zaidi, Hany Zayed, Ashish Patel Guy's and St Thomas's NHS Trust, London	
11.57 – 12.07	Mechanical thrombectomy to treat Acute Deep Venous Thrombosis $\ $ - the Lysis free era	
	Sarah Nduwayo , Samuel Galea, Andrew Wigham, Emma Wilton Oxford University Hospital NHS Trust, Oxford	

12.07 – 12.17	Utility of hand grip strength in predicting mortality risk in chronic limb- threatening ischaemia
	<i>Kirsten Goves</i> ¹ , Amirah Essop-Adam ¹ , Imelda Black ¹ , John Houghton ^{1,2} , Rob Sayers ^{1,2} , Victoria Haunton ³ ¹ University of Leicester, Leicester ² University Hospitals of Leicester NHS Trust, Leicester ³ University of Plymouth, Plymouth
12.17 – 12.27	Outcomes of open surgical, hybrid and endovascular management of lower limb acute limb ischaemia
	Arsalan Wafi , Mustafa Musajee, Gabi Kaneta, Rachel Bell, Ashish Patel Guy's and St Thomas's Hospital, London
12.27 - 12.37	Temporal changes and determinants of Quality of Life in patients with Chronic Limb Threatening Ischaemia
	Segun Lamidi ^{1,2} , Imelda Black ¹ , Anna Meffen ¹ , Sarah Nduwayo ¹ , Andrew Nickinson ¹ , Amirah Essop-Adam ¹ , Sarah Jane Messeder ¹ , Rob Sayers ^{1,2} , John Houghton ^{1,2} ¹ University of Leicester, Leicester ² University Hospitals of Leicester NHS Trust, Leicester
12.37 - 12.47	Covered Endovascular Reconstruction of Aortic Bifurcation (CERAB) learning curves at a tertiary referral centre
	Keith Farrell-Dillon ¹ , James Budge ^{1,2} , Paul Moxey1, Joo-Young Chun ¹ , Jain Roy ^{1,2} , Bilal Azhar ^{1,2} , Mital Desai ^{1,2} , Ian Loftus ^{1,2} , Peter Holt ^{1,2} , Mohamed Abdelhamid ¹ ¹ St George's University Hospitals NHS Foundation Trust, London ² St George's University, London
12.50 - 13.10	CHEE SOONG MEMORIAL LECTURE
	Introduced by Bijan Modarai
	Vascular Surgery: Reflections from 30 years

Julian Scott, Professor of Vascular Surgery, Leeds Teaching Hospital NHS Trust

13.10 - 13.15 PRESENTATION OF PRIZES AND CLOSE

13.15 - 14.30 LUNCH

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- 1. Piazza M, Squizzato F, Dall'Antonia A, et al. Outcomes of self expanding PTFE covered stent versus bare metal stent for chronic iliac artery occlusion in matched cohorts using propensity score modelling. European Journal of Vascular & Endovascular Surgery. 2017;54(2):177-185.
- 2. Panneton JM, Bismuth J, Gray BH, Holden A. Three-year follow-up of patients with iliac occlusive disease treated with the Viabahn Balloon-Expandable Endoprosthesis. Journal of Endovascular Therapy. 2020;27(5):1.
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Das T, et al. Catheter Cardiovasc Interv. 2014;83(1):115-122.
 Finn M, et al. Vascular Disease Management. 2023;20(10):E179-E182.
 Shammas NW, et al. J Endovasc Ther. 2012;19(4):480-8.
 A. Dattilo R, et al. J Invasive Cardiol 2014;26(8):355-60.
 Adams GL, et al. J Cardiovasc Transl Res. 2011;4(2):220-9.
 Mustapha J, et al. J Crit Limb Ischem. 2021;1(3):E118-E125.
 Giannopoulos S, et al. J Endovasc Ther. 2020;27(5):714-725.

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