European Journal of Vascular & Endovascular Surgery

Volume 64 • Issues 2–3 • 2022

TABLE of CONTENTS

EDITORIALS
147 EJVES Facing a Number of Challenges, but Well Prepared for the Future – Just Like the ESVS!
F. Dick, M. Björck and M. Gargiulo

150 Cardiac Thrombogenicity in Stroke: Mechanisms and Evaluation
M. Bäck and W. Doehner

153 The Collaborative Big Bang and Introduction to the European Vascular Research Collaborative
L. Meecham and The European Vascular Research Collaborative

AORTA AND MAJOR BRANCHES
155 Association Between Blood Flow Pattern and Rupture Risk of Abdominal Aortic Aneurysm Based on Computational Fluid Dynamics
Y. Qiu, J. Wang, J. Zhao, T. Wang, T. Zheng and D. Yuan

→ Novel classification of blood flow pattern with potential association with rupture risk (53 matched case-control pairs)

Invited commentary:

165 Helical Flow Channel and Helical Vortices in Abdominal Aortic Aneurysm: Are They Twirling Towards Rupture?
S. Lepidi and M. D’Oria

166 EJVES Open Access – Editor’s Choice – Structured Computed Tomography Analysis can Identify the Majority of Patients at Risk of Post-Endovascular Aortic Repair Rupture

→ Timely identification of typical precursors of rupture - breakthrough in post EVAR surveillance? (almost 2000 EVAR patients followed)

Invited commentary:

175 Rupture Post-Endovascular Aneurysm Repair: Are We Missing the Signs?
T. Ali and P.W. Stather

176 Cardiac and Aortic Modifications After Endovascular Repair for Blunt Thoracic Aortic Injury: A Systematic Review

→ TEVAR affects aortic stiffness, blood pressure and cardiac mass mandating long term cardiovascular surveillance even in young and healthy patients (systematic review of 265 cases)

188 Systematic Review and Meta-analysis of Physician Modified Endografts for Treatment of Thoraco-Abdominal and Complex Abdominal Aortic Aneurysms
R. Gouveia e Melo, C. Fernández Pregades, D. Caldeira, J. Stana, B. Rantner, A. Wonhainen, G.S. Oderich and N. Tsilimparis

→ Physician modified EVAR associated with good technical success and acceptable short term outcomes, but also with relevant MAE rates - more standardised outcome research needed (systematic review of some 900 cases)
CONTENTS—continued

200 Editor’s Choice – Sex Specific Outcomes After Complex Fenestrated and Branched Endovascular Aortic Repair: A Systematic Review and Meta-analysis
P. Nana, K. Spanos, C.-A. Behrendt, K. Dakis, A. Brotis, G. Kouvelos, A. Giannoukas and T. Kölbl

→ Women incur a higher peri-operative mortality after F/BEVAR but early morbidity and repeat intervention rates are comparable (systematic review of almost 2 500 patients, a quarter of which women)

Invited commentary:

209 Sex Differences in Complex Endovascular Aortic Repair: Confused on a Higher Level?
N.V. Dias and R. Hultgren

PERIPHERAL ARTERIES

210 EJVES Open Access – Validation of a Standardised Duplex Ultrasound Classification System for the Reporting and Grading of Peripheral Arterial Disease

→ Simplified and standardised duplex ultrasound reporting as a potential tool for reliable identification and grading of PAD in non-specialist settings - needs confirmatory work (based on 250 patients from general practice)

217 EJVES Open Access – Impact of Ankle Brachial Index Calculations on Peripheral Arterial Disease Prevalence and as a Predictor of Cardiovascular Risk
A.J.G. Pereira Filho, F. Sartipy, F. Lundin, E. Wahlberg and B. Sigvant

→ ABI calculation using the lowest ankle blood pressure is more sensitive and should be preferred for screening and risk stratification (based on 5 000 randomly selected participants)

225 Malnutrition is Associated with Increased Morbidity and Death in Dialysis Patients Undergoing Endovascular Therapy for Peripheral Artery Disease

→ Strong association between malnutrition and poor outcomes but unclear whether nutritional interventions would improve outcomes - RCTs needed (400 dialysis patients followed)

MISCELLANEOUS

234 Arterial Embolisation for Trauma Patients with Pelvic Fractures in Emergency Settings: A Nationwide Matched Cohort Study in Japan
S. Furugori, T. Abe, T. Funabiki, Z. Sekikawa and I. Takeuchi

→ Arterial embolisation was associated with a survival benefit in this national cohort after propensity score matching (more than 17 000 patients with pelvic fracture included)

Invited commentary:

243 Evaluation of Arterial Embolisation for Trauma Patients with Pelvic Fracture: New Insights from the Land of the Rising Sun
A. Gombert

244 EJVES Open Access – Long Term Results of Pancreatectomy With and Without Venous Resection: A Comparison of Safety and Complications of Spiral Graft, End-to-End and Tangential/Patch Reconstruction Techniques

→ Spiral graft technique using autologous greater saphenous vein allows dealing with advanced venous infiltration without increasing surgical complications (200 patients analysed)

Invited commentary:

254 The Spiral of Success
X. Bérard and C. Caradu

255 Radiation and Chemotherapy are Associated with Altered Aortic Aneurysm Growth in Patients with Cancer: Impact of Synchronous Cancer and Aortic Aneurysm

→ Patients need intensified AAA monitoring when undergoing anti-cancer drug therapies as aneurysms may grow; radiation, in contrast, may reduce growth (217 patients followed)
Invited commentary:

Between the Devil and the Deep Blue Sea: New Insights into the Effects of Cancer Therapy on Abdominal Aortic Aneurysm Growth
J. Sénémaud and C. Skarbek

CORRESPONDENCE

Incidence of Lower Limb Amputations in Sweden from 2008 to 2017

The Impact of the First 11 Months of the COVID-19 Pandemic on Vascular Patients’ Care and Hospitalisation Rate in the Vascular Surgery Divisions of Southern Italy
E. Martelli, G. Sotgiu, L. Saderi, A.R. Martelli and A.M. Settembrini and on behalf of The Vascular Surgery Divisions of the Southern Regions of the Italian Peninsula

Outcomes and Ascending Aortic Diameter Change After Ascending Aortic Wrapping and Zone 0 Endografting

Morphological Factors Associated with Long Term Re-intervention in Patients Discharged After Acute Type A Aortic Dissection Surgery: A 10 Year Two Centre Experience
E. Penasse, L. Salomon du Mont, O. Borghese, T. Caus, G. Guimbretière and B. Maurel

Letters to the Editor


CONTENTS—continued
Double Trouble! Concomitant Ipsilateral Symptomatic Popliteal Venous Aneurysm
L.Á. Suárez González and R. Fernández-Samos Gutiérrez

MULTIPLE CHOICE QUESTIONS (MCQ):

One Year on: Test Your Knowledge From August 2021
S. Kakkos

One Year on: Test Your Knowledge From September 2021
S. Kakkos

TRANSLATED ABSTRACTS:

EJVES vol. 64, issue 2-3 (August/September 2022) - Spanish Translated Abstracts

IVS AND NIVASC JOINT CONFERENCE ABSTRACTS:

Abstracts presented at IVS & NIVASC Joint Conference

JVS ABSTRACTS:


Editor’s Choice: This paper has been selected by the Editor to be made freely available online.

Additional material available online: http://www.sciencedirect.com/science/journal/10785884/64