

# European Journal of Vascular & Endovascular Surgery

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CONTENTS

## EDITORIAL

- 327 **Paclitaxel Eluting Endovascular Technology and Long-Term Mortality: Safety Concern or a Reminder of an Obvious Literature Gap?**  
*A. Saratzis, K. Mani and H. Zayed*

- 329 **Metabolomics as an Innovative Tool for a Personalised Approach to Vascular Disease**  
*P. de Tullio, J. Leenders, M. Vega de Ceniga, N. Chakfé and P.H. Kolh*

## CAROTID DISEASE

- 331 **Pre-Operative Masseter Area is an Independent Predictor of Long-Term Survival after Carotid Endarterectomy**  
*N.K.J. Oksala, I. Lindström, N. Khan, V.J. Pihlajaniemi, L.-P. Lyytikäinen, J.-P. Pienimäki and J. Hernesniemi*

In this study (n = 242), average masseter area - but not masseter density - is associated with long-term survival (median follow-up = 68.5 months) after CEA, independent of other risk factors, dental status, and other anthropometric measurements.

### Invited commentary

- 339 **Chewing the Rag: Masseters, Sarcopenia, and Late Survival After Carotid Surgery**  
*E. Choke and J.S.J. Tan*

## AORTIC DISEASE

- 340 **Editor's Choice – Outcomes After One Stage Versus Two Stage Open Repair of Type II Thoraco-abdominal Aortic Aneurysms**  
*A. Gombert, L. Kirner, S. Ketting, M.V. Rückbeil, B. Mees, M.E. Barbati, P.R. Keschenau, J. Kalder, G.W. Schurink, D. Kotelis and M.J. Jacobs*

In this study (n = 94 including 18 patients treated in two steps), in hospital mortality after one stage repair and after two stage repair is 22% and 0%, respectively (p = 0.19). Five year survival after one stage repair and after two stage repair is 53% (95% CI 37-67) and 91% (95% CI 51-99), respectively (p = 0.14). Major complications rate is similar.

### Invited commentary

- 349 **Commentary Regarding “Outcomes After One Stage Versus Two Stage Open Repair of Type II Thoraco-abdominal Aortic Aneurysms”**  
*K. Spanos and T. Kölbl*

- 350 **Proposed Magnetic Resonance Imaging Criteria to Diagnose Intramural Haematoma and to Predict Aortic Healing after Acute Type B Aortic Syndrome**  
*A. Schwein, M. Khan, M. Bennett, N. Chakfé, A.B. Lumsden, J. Bismuth and D.J. Shah*

This pilot study (n = 39) proposes three MRI criteria to differentiate between aortic dissection and intramural haematoma. These criteria appear to be associated with favourable aortic remodeling after acute type B aortic syndrome. Prospective validation is needed.

- 360 **Epidural Analgesia in Open Thoraco-abdominal Aortic Aneurysm Repair**  
*F. Monaco, M. Pieri, G. Barucco, V. Karpatri, M.B. Redaelli, M. De Luca, C. Mattioli, T. Bove, G. Melissano, R. Chiesa, G. Landoni and A. Zangrillo*

In this study (n = 459), thoracic epidural analgesia reduces post-operative pain with no significant effect on major post-operative morbidity. No patient develops epidural haematomas.

## CONTENTS—continued

- 368 **Short Stay EVAR is Safe and Cost Effective**  
*S.E. Shaw, R. Preece, K.M. Stenson, J.L. De Bruin, I.M. Loftus, P.J.E. Holt and B.O. Patterson*
- In this systematic review (five studies), 450/601 (75%) patients are successfully discharged the same or next day after EVAR. Major complications requiring intensive treatment unit admission occur mostly within 6 hours. A short stay EVAR pathway improves cost effectiveness and appears to reduce patient morbidity.
- 374 **Outcomes of Chimney Technique for Preservation of the Left Subclavian Artery in Type B Aortic Dissection**  
*H. Ding, Y. Liu, N. Xie, R. Fan, S. Luo, W. Huang, J. Li, Y. Zhu, B. Hu, L. Xue and J. Luo*
- In this cohort of 159 patients treated with the chimney technique for type B aortic dissection, 30 day mortality and morbidity rates are 2% and 4%, respectively, with a technical success rate of 81% and an incidence of immediate type Ia endoleak as high as 19%. Estimated one and three year survival rates are  $98 \pm 1\%$  and  $94 \pm 2\%$ , respectively.

### PERIPHERAL ARTERIAL DISEASE

- 382 **Editor's Choice – Infrainguinal Bypass Following Failed Endovascular Intervention Compared With Primary Bypass: A Systematic Review and Meta-Analysis**  
*S. Hossain, D. Leblanc, A. Farber, A.H. Power, G. DeRose, A. Duncan and L. Dubois*
- This meta-analysis, encompassing 15 studies and 11,886 patients, shows improved (OR 1.61; 95% CI 1.14-2.29) one-year amputation free survival in patients who had primary bypass compared with those who had bypass after failed endovascular therapy. Heterogeneity between studies is high.
- Invited commentary
- 392 **“Endovascular first” Strategies are not for Every Patient**  
*C.P. Twine*
- 393 **Limb Salvage by Open Surgical Revascularisation in Acute Ischaemia due to Thrombosed Popliteal Artery Aneurysm**  
*S. Jungi, C. Kuemmerli, P. Kissling, S. Weiss, D. Becker, J. Schmidli and T.R. Wyss*
- This study (n = 51) reports estimated four year primary assisted and secondary patency rates of 82% and 87%, respectively, after rapid surgical revascularisation - without pre-operative thrombolysis in most patients - for thrombosed popliteal aneurysm. Thirty day major amputation rate is 16%.
- Invited commentary
- 399 **Can we learn anything from the dinosaurs?**  
*M. Björck*

### VISCERAL ARTERIAL DISEASE

- 400 **Endovascular Treatment of Patients with Isolated Mesenteric Artery Dissection Aneurysm: Bare Stents Alone Versus Stent Assisted Coiling**  
*Z. Jia, H. Su, W. Chen, G. Ni, C. Qi and J. Gu*
- This study (n = 38) reports high technical success rates and good patency at  $30 \pm 18$  months in patients with an IMAD aneurysm treated with bare stents alone or stent assisted coiling.

### VENOUS DISEASE

- 407 **Systematic Review and Meta-Analysis of Iliofemoral Stenting for Post-thrombotic Syndrome**  
*P. Qiu, B. Zha, A. Xu, W. Wang, Y. Zhan, X. Zhu and X. Yuan*
- This meta-analysis, encompassing seven studies and 489 patients, shows that endovenous iliofemoral stenting for post-thrombotic syndrome has the potential to be effective and carries a low risk of peri-operative complications. However, the quality of evidence is very low.
- 417 **Mid-term Results of a Novel Dedicated Venous Stent for the Treatment of Chronic Thoracic Central Vein Obstruction of Benign Aetiology**  
*G.M. Tan, K.W.K. Chi and B.P.Y. Yan*
- This prospective study (n = 20) reports that endovascular treatment of benign chronic thoracic central vein obstruction with a novel dedicated venous stent is safe and relieves symptoms, with excellent one year patency rates.

## CONTENTS—continued

### VASCULAR GRAFT INFECTION

- 424 **In vitro Evidence of Improved Antimicrobial Efficacy of Silver and Triclosan Containing Vascular Grafts Compared with Rifampicin Soaked Grafts**

*X. Berard, M. Puges, J.-B. Pinaquy, C. Cazanave, L. Stecken, L. Bordenave, S. Pereyre and F. M'Zali*

For all four microorganisms tested, the Synergy graft combining silver with triclosan demonstrates a more sustainable and efficient seven day antimicrobial activity than the rifampicin soaked graft. The emergence of rifampicin resistant mutants suggests preference for a Synergy graft over a graft soaked in rifampicin, to prevent or treat an infection when a biological solution is not feasible.

### JUGAAR

- 433 **Using a Large Bore Sheath to Untwist Tortuous Iliac Arteries at EVAR: A Simple and Effective Technique**

*A. Chaudhuri*

### MISCELLANEOUS

- 434 **Identification of Lysophosphatidylcholines and Sphingolipids as Potential Biomarkers for Acute Aortic Dissection via Serum Metabolomics**

*X. Zhou, R. Wang, T. Zhang, F. Liu, W. Zhang, G. Wang, G. Gu, Q. Han, D. Xu, C. Yao, D. Guo, W. Fu, Y. Qi and L. Wang*

This study - 20 patients with type A and 15 patients with type B acute aortic dissection (AAD) - reports that serum lysophosphatidylcholines are significantly lower in patients with AAD, as compared to controls. Furthermore, several sphingolipids are decreased in patients with type A AAD, but not in those with type B AAD. Studies in larger populations are needed.

- 442 **Adherence to Prescribed Drugs Among 65–74 Year Old Men Diagnosed with Abdominal Aortic Aneurysm or Peripheral Arterial Disease in a Screening Trial: A VIVA Substudy**

*I. Qvist, R. Søgaard, J.S. Lindholt, V. Lorentzen, J. Hallas and L. Frost*

In this trial (618 patients with AAA and 2051 patients with PAD identified among 18,748 screened), drug initiation and adherence (five year follow up) to recommended cardiovascular preventive treatment are low (57-60%) among non-users of antiplatelets and statins at baseline, while drug adherence among users at screening exceeds 80%. When combining those who never fulfil the prescription and those who quit, only 40% of new cases use preventive medication after five years.

#### Invited commentary

- 451 **Screening for Cardiovascular Disease. Too Early and Too Late?**

*M.J.W. Koelemay*

### CONTINUED MEDICAL EDUCATION (CME)

- 452 **Clinical Cases Referring to Diagnosis and Management of Patients With Thoracic Aortic Pathologies Involving the Aortic Arch: A Companion Document of the 2018 European Association for Cardio-Thoracic Surgery (EACTS) and the European Society for Vascular Surgery (ESVS) Expert Consensus Document Addressing Current Options and Recommendations for the Treatment of Thoracic Aortic Pathologies Involving the Aortic Arch**

*M. Czerny, J. Schmidli, L. Bertoglio, T. Carrel, R. Chiesa, R.E. Clough, M. Grabenwöger, F.A. Kari, C.A. Mestres, B. Rylski, F. Schönhoff, K. Tsagakis and T.R. Wyss*

- 461 **The Problem of Multiple Hypothesis Testing and the Assumption of Causality**

*S. Bellmunt-Montoya*

- 462 **Multiple Choice Questions**

- 464 **Correspondence**

### JVS AND JVSV ABSTRACTS

- 467 **Selected Abstracts from the March Issues of the Journal of Vascular Surgery and the Journal of Vascular Surgery: Venous and Lymphatic Disorders**

## CONTENTS—*continued*

### TRANSLATED ABSTRACTS

- e11 EJVES vol. 57, issue 3 (March 2019) - Spanish Translated Abstracts 
- 472 Forthcoming Events

### COUP D'OEILS

- 359 **Uneasy Lies the Graft that No Longer Wears the Crown**  
*A. Chaudhuri*
- 423 **Atypical Carotid Origin of the Vertebral Artery**  
*M. Katsarou and L. Bertoglio*

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**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/10785884/57>