

European Journal of Vascular & Endovascular Surgery

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- 495 The 30th Anniversary of the First Clinical Application of Endovascular Stent-grafting
N.L. Volodos

CAROTID DISEASE

- 498 Endovascular Revascularization for Carotid Artery Occlusion in Patients with Takayasu Arteritis
B. Chen, H.X. Yu, J. Zhang, X.X. Li, X.G. Wu, S.J. Yang, Y.X. Qi, C. Yan and Z.G. Wang
In a retrospective study of selected, symptomatic Takayasu arteritis patients with carotid occlusive disease (including four with coma and hemiplegia), endovascular therapy successfully restored carotid flow in the majority.
- 506 Peri-procedural Risk with Urgent Carotid Artery Stenting: A Population based Swedvasc Study
M. Jonsson, P. Gillgren, A. Wanhainen, S. Acosta and D. Lindström
This SwedVasc Registry audit reported that carotid artery stenting could be undertaken safely within seven days of the index neurological event.
- 513 Clinical and Imaging Features Associated with an Increased Risk of Early and Late Stroke in Patients with Symptomatic Carotid Disease
A.R. Naylor, H. Sillesen and T.V. Schroeder
This topical review of randomized trials and contemporary observational studies identified a series of clinical and imaging features that were associated with an increased (and decreased) risk of early and late stroke in symptomatic patients with carotid disease.

AORTIC DISEASE

- 524 **Editor's Choice** – Ten-year Experience with Endovascular Repair of Thoracoabdominal Aortic Aneurysms: Results from 166 Consecutive Patients
E.L.G. Verhoeven, A. Katsargyris, F. Bekkema, K. Oikonomou, C.J.A.M. Zeebregts, W. Ritter and I.F.J. Tielliu
One of the largest published series of TAAA patients undergoing fEVAR and bEVAR over a ten year period reported good peri-operative outcomes, but with a warning that one quarter would require further interventions during follow-up.
- Invited Commentary**
- 532 Commentary on 'Ten Year Experience with Endovascular Repair of Thoracoabdominal Aortic Aneurysms: Results from 166 Consecutive Patients'
N.V. Dias, T. Resch and B. Sonesson
- 534 Incidence of Acute Kidney Injury (AKI) after Endovascular Abdominal Aortic Aneurysm Repair (EVAR) and Impact on Outcome
A. Saratzis, N. Melas, A. Mahmood and P. Sarafidis
Almost one in five elective EVAR procedures in patients with infra-renal AAA were associated with a post-operative acute kidney injury. AKI was associated with higher rates of mortality and cardiovascular morbidity during follow-up.

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- 541 Benefits of Completion 3D Angiography Associated with Contrast Enhanced Ultrasound to Assess Technical Success after EVAR
A. Hertault, B. Maurel, F. Pontana, T. Martin-Gonzalez, R. Spear, J. Sobocinski, I. Sediri, C. Gautier, R. Azaoui, M. Rémy-Jardin and S. Haulon

The introduction of intra-operative completion cone beam CTA was associated with a significant increase in the detection of abnormalities requiring additional intra-operative procedures (compared with completion angiography), but the addition of contrast enhanced ultrasound at 30-days yielded no additional findings. Overall, radiation exposure and contrast volumes were significantly reduced.

- 549 The Influence of Simvastatin on NGAL, Matrix Metalloproteinases and Their Tissue Inhibitors in Human Intraluminal Thrombus and Abdominal Aortic Aneurysm Tissue
A. Piechota-Polanczyk, S. Demyanets, M. Mittlboeck, M. Hofmann, C.M. Domenig, C. Neumayer, J. Wojta, M. Klinger, J. Nanobachvili and I. Huk

AAA patients taking simvastatin had downregulated gene expression of TIMP1 in the AAA wall and upregulated MMP9/TIMP2 complex in the intra-luminal thrombus.

PERIPHERAL ARTERIAL DISEASE

- 556 Peripheral Artery Disease: A Marked Lack of Awareness in Ireland
C.T. Cronin, D.P. McCartan, M. McMonagle, K.S. Cross and J.F. Dowdall

While 94% of Irish respondents were aware of stroke, 78% about coronary artery disease and 98% about diabetes, only 19% were aware of peripheral arterial disease.

Invited Commentary

- 563 Commentary on 'Peripheral Artery Disease: A Marked Lack of Awareness in Ireland'
N. Chakfe and A. Lejay

- 565 Predictors of Delayed Wound Healing after Endovascular Therapy of Isolated Infrapopliteal Lesions Underlying Critical Limb Ischemia in Patients with High Prevalence of Diabetes Mellitus and Hemodialysis
T. Shiraki, O. Iida, M. Takahara, Y. Soga, Y. Yamauchi, K. Hirano, D. Kawasaki, M. Fujihara, M. Utsunomiya, J. Tazaki, T. Yamaoka, Y. Shintani, N. Suematsu, K. Suzuki, Y. Miyashita, T. Tsuchiya and M. Uematsu

In a large retrospective series of CLI patients with high rates of tissue loss, diabetes and regular dialysis who underwent endovascular treatment of infra-popliteal lesions, independent predictors of poorer wound healing included; non-ambulatory status, low serum albumin, Rutherford 6 wounds, planning interventions without angiosome assessment and no run-off across the ankle joint.

VENOUS DISEASE

- 574 The Effect of Endovenous Laser Ablation of Incompetent Perforating Veins and the Great Saphenous Vein in Patients with Primary Venous Disease
H. Shi, X. Liu, M. Lu, X. Lu, M. Jiang and M. Yin

In a non-randomized comparison, endovenous laser ablation of incompetent perforating veins was shown to be feasible (in addition to standard venous surgery), but this strategy did not appear to improve clinical scoring, recurrence rates nor ulcer healing at one year, compared to those undergoing venous surgery alone.

MISCELLANEOUS

- 581 Cumulative Incidence of Graft Infection after Primary Prosthetic Aortic Reconstruction in the Endovascular Era
P. Berger, I. Vaartjes, F.L. Moll, G.J. De Borst, J.D. Blankensteijn and M.L. Bots

Approximately 2% of patients undergoing open aortic surgery in the modern era suffered a prosthetic graft infection within 30 days of surgery, increasing to almost 4% at one year and 5% at two years.

Invited Commentary

- 586 Commentary on 'The Cumulative Incidence of Graft Infection After Primary Prosthetic Aortic Reconstruction in the Endovascular Era'
J.P. Archie

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- 587 Chronic Mesenteric Ischemia: 20 Year Experience of Open Surgical Treatment
A. Lejay, Y. Georg, E. Tartaglia, O. Creton, B. Lucereau, F. Thaveau, B. Geny and N. Chakfe
In a large retrospective series, open surgical revascularization in patients with chronic mesenteric ischemia was associated with a low initial mortality (3.5%), with primary patency rates of up to 84% at ten years and 79% freedom from recurrent symptoms, provided they underwent a 'complete' reconstruction at the outset.
- 593 Necrotizing Soft Tissue Infections in Intravenous Drug Users: A Vascular Surgical Emergency
D. Mittapalli, R. Velineni, N. Rae, A. Howd, S.A. Suttie and on behalf of the East of Scotland Vascular Network
Intravenous drug abusers with necrotizing soft tissue infections should be admitted under the care of vascular surgeons in order to optimize outcomes.
- 600 The Necessity for Routine Pre-operative Ultrasound Mapping Before Arteriovenous Fistula Creation: A Meta-analysis
G.S. Georgiadis, D.G. Charalampidis, C. Argyriou, E.I. Georgakarakos and M.K. Lazarides
This meta-analysis of five RCTs observed that pre-operative Duplex ultrasound mapping was associated with a significant reduction in immediate failure rates in patients undergoing A-V fistula formation for hemodialysis.

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- 564 Seat Belt Syndrome
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- 599 Patent Femoro-Popliteal Vein Bypass with Occlusion of Common and External Iliac Arteries
U. Khan and A. daSilva

Editor's Choice: This paper has been selected by the Editor to be made available online as Open Access.