EDITORIAL
363 Caveat Emptor: Lessons Learned from the Endovascular Treatment of Complex Aortic Pathologies
E.L.G. Verhoeven, A. Katsargyris and S. Haulon

CAROTID DISEASE
366 Long-term Results of a Randomized Controlled Trial Analyzing the Role of Systematic Pre-operative Coronary Angiography before Elective Carotid Endarterectomy in Patients with Asymptomatic Coronary Artery Disease

CEA patients who were randomized to coronary angiography and selective pre-operative coronary revascularization had significantly fewer peri-operative and long-term myocardial infarctions compared to those randomized to no pre-operative coronary angiography.

AORTIC DISEASE
375 The Role of Branch Vessels in Aortic Type B Dissection: An in vitro Study
H.T.C. Veger, J.J.M. Westenberg and M.J.T. Visser

In an in-vitro flow model of dissection, high flow through a branch arising from a patent false lumen led to significant expansion of the false lumen cross sectional area.

382 Emergency Treatment of Haemorrhaging Coeliac or Mesenteric Artery Aneurysms and Pseudoaneurysms in the Era of Endovascular Management

The vast majority of symptomatic visceral artery aneurysms can be treated endovascularly, but may require a 'non-conventional' approach.

390 Intra-operative Cone Beam Computed Tomography can Help Avoid Reinterventions and Reduce CT Follow up after Infrarenal EVAR
P. Törnaqvist, N. Dias, B. Sonesson, T. Kristmundsson and T. Resch

Combining intra-operative completion digital subtraction angiography with cone-beam CT scanning could replace the need for conventional one month CT scanning in patients undergoing infra-renal EVAR.

396 Editor’s Choice – Angulation of the C-Arm During Complex Endovascular Aortic Procedures Increases Radiation Exposure to the Head

The unprotected head of the operator was exposed to significant radiation exposure which increased with angulation of the C-arm during complex endovascular aortic procedures.

403 Short-term Outcome of Spinal Cord Ischemia after Endovascular Repair of Thoracoabdominal Aortic Aneurysms
N.V. Dias, B. Sonesson, T. Kristmundsson, H. Holm and T. Resch

The prevalence of spinal cord ischemia was high after endovascular TAAA repair and was associated with Crawford II TAAAs and high contrast volume usage, but not with acute versus elective procedures. SCI rates diminished following the introduction of a standardized diagnostic and treatment protocol.
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Invited Commentary
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M.J. Jacobs and G.W. Schurink

PERIPHERAL ARTERIAL DISEASE
412 Differential Impact of Bypass Surgery and Angioplasty on Angiosome-Targeted Infrapopliteal Revascularization
Š. Kristýna, F. Biancari, A. Leppäniemi, A. Albäck, M. Söderström and M. Venermo
Angiosome-targeted revascularization by angioplasty and bypass surgery resulted in significantly higher rates of wound healing and limb salvage, with bypass surgery conferring better rates of wound healing.
420 The Benefit of Revascularization in Nonagenarians with Lower Limb Ischemia is Limited by High Mortality
E. Saarinen, S. Vuorisalo, P. Kauhanen, A. Albäck and M. Venermo
Revascularization enabled >80% of nonagenarians with critical limb ischemia to achieve limb salvage, but only 50% were alive at 1 year. Dementia was an independent risk factor for poorer amputation free survival.

VENOUS DISEASE
426 Detergent Sclerosants are Deactivated and Consumed by Circulating Blood Cells
Circulating blood cells deactivate detergent sclerosants suggesting that extensive mixing of detergent sclerosants with intra-vascular blood will reduce overall clinical efficacy.
432 Epidemiological Study on Chronic Venous Disease in Belgium and Luxembourg: Prevalence, Risk Factors, and Symptomatology
M.E. Vuylsteke, S. Thomis, G. Guillaume, M.L. Modliszewski, N. Weides and I. Staelens
An epidemiological study on chronic venous disease in Belgium and Luxembourg showed that while the prevalence of venous disease was high, public and professional awareness was low.
440 Venous In-stent Thrombosis Treated by Ultrasound Accelerated Catheter Directed Thrombolysis

MISCELLANEOUS
D.W. Harkin, J.D. Beard, C.P. Shearman and M.G. Wyatt
A detailed review of the current vascular surgery workforce in the UK suggests that one third are ‘extremely likely’ to retire within the next decade, raising serious implications for work-force planning.
455 Diagnostic Performance of 18F-FDG-PET/CT in Vascular Graft Infections
A new 5-point visual grading score, based upon FDG uptake using PET-CT imaging, had a 97% accuracy for diagnosing vascular graft infections.
465 The Management of Renal Artery Stenosis: An Alternative Interpretation of ASTRAL and CORAL
I.V. Mohan and V. Bourke
According to the authors of this review, CORAL and ASTRAL may have reduced the volume of ‘drive-by renal angioplasties’, but the benefit (lack of) associated with intervening for renal artery stenosis is still no clearer.
474 Diagnostic Accuracy of Fluorescence Microlymphography for Detecting Limb Lymphedema
H.H. Keo, M. Husmann, E. Groechenig, T. Willenberg and S.B. Greter
Fluorescence microlymphography had a high accuracy for diagnosing lymphedema in patients with leg swelling of uncertain etiology.
Elastin is a Key Regulator of Outward Remodeling in Arteriovenous Fistulas

Insufficient outward remodeling contributes to arteriovenous fistula maturation failure and may be related to elastin levels in the outflow vein.

Correspondence

Multiple Choice Questions


Forthcoming Events

COUP D’OEILS

Endotension After Bypass for Popliteal Aneurysm
M. Björck

Buying time
A.J. Batchelder and A.R. Naylor

Renal Artery Aneurysm at the Hilum Secondary to Neurofibromatosis Type I
X. Gui and Y. Zheng

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