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EACTS/ESVS Expert Consensus document for the treatment of aortic arch pathologies

CAROTID DISEASE

- 199 **Optimal Antiplatelet Therapy in Moderate to Severe Asymptomatic and Symptomatic Carotid Stenosis: A Comprehensive Review of the Literature**

S.J.X. Murphy, A.R. Naylor, J.-B. Ricco, H. Sillesen, S. Kakkos, A. Halliday, G.J. de Borst, M. Vega de Ceniga, G. Hamilton and D.J.H. McCabe

The data (25 studies) on prescribed antiplatelet regimens and outcome events analysed in this comprehensive review expand upon the ESVS guidelines on the management of atherosclerotic carotid and vertebral artery disease. Further research to optimise peri-procedural and long-term preventive treatment in patients with carotid artery stenosis is needed.

Invited Commentary

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AORTIC DISEASE

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P. Marques de Marino, B. Botos, G. Kouvelos, E.L.G. Verhoeven and A. Katsargyris

This study (n = 29) reports a technical success of 55/58 iliac branch devices with an estimated internal iliac artery branch patency at one and three years of ~ 98% and 88%, respectively. Reintervention rate is 14%.

Invited Commentary

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G.T. Jones, P. Sandiford, G.B. Hill, M.J.A. Williams, M. Khashram, M.W. Tilyard, G.D. Hammond-Tooke, J. Krysa and A.M. van Rij

While male AAA prevalence is the same (5.7%) using either the 30 mm or aortic size index (ASI) ≥ 1.5 aneurysm definitions, AAA prevalence in females is significantly different between the 30 mm (2.4%) and ASI ≥ 1.5 (4.5%) definitions. This observation carries potential implications for AAA screening in women.

229 **The Value of Sigmoidoscopy to Detect Colonic Ischaemia After Ruptured Abdominal Aortic Aneurysm Repair**

H. Jalalzadeh, T.G. van Schaik, J.J. Duin, R. Indrakusuma, S.C. van Beek, A.C. Vahl, W. Wisselink, R. Balm and M.J.W. Koelemay

In this multicentre study, sigmoidoscopy increases the likelihood of correctly identifying the presence or absence of transmural colonic ischaemia (CI), particularly in patients with a moderate clinical suspicion for CI after rAAA repair. Transmural CI is diagnosed in 23/351 (6.6%) patients after rAAA repair.

Invited Commentary

238 **Sigmoidoscopy an Effective Tool for Identifying Colonic Ischaemia After Ruptured AAA**

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K. Sörelius, A. Wanhainen, C.-M. Wahlgren, M. Langenskiöld, H. Roos, T. Resch, R. Vaccarino, B. Arvidsson, P. Gillgren, L. Bilos, A. Pirouzram, M. Holsti and K. Mani

This study (n = 52), in which most mycotic TAAs are treated with EVAR, reports survival rates of 92% and 71% at three months and five years, respectively. Infection related complications occurred in nine patients, with a 67% mortality.

Invited Commentary

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T.H. Yuo, J.R. Wallace, L. Fish, E.D. Avgerinos, S.A. Leers, G.E. Al-Khoury, M.S. Makaroun and R.A. Chaer

This analysis of a large administrative database (20,347 ESRD patients including 80.8% with CLI) reports high mortality and amputation rates after both endovascular and open surgical lower extremity revascularisation. Compared with open surgery, endovascular repair is associated with lower mortality at all time points with similar long-term limb salvage.

Invited Commentary

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A. Lejay and N. Chakfe

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M. Sobel, M. Yagi, K. Moreno, T.R. Kohler, G.L. Tang, E.S. Wijelath, J. Marshall and R.D. Kenagy

In this study (n = 142), patients with the lowest pre-operative levels of anti-phosphorylcholine IgM are twice as likely to suffer loss of primary patency of the autologous vein used for leg bypass, after controlling for other risk factors of graft failure.

VENOUS DISEASE

267 **The Discord Outcome Analysis (DOA) as a Reporting Standard at Three Months and Five Years in Randomised Varicose Vein Treatment Trials**

E. Kalodiki, M. Azzam, P. Schnatterbeck, G. Geroulakos and C.R. Lattimer

The discord outcome analysis, a method of interrogating the process of reporting outcomes in comparative trials on the treatment of superficial venous insufficiency, could become the adopted reporting standard to improve transparency in comparative clinical trials.

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C.R. Behem, M.F. Graessler, H.O. Pinnschmidt, A. Duprée, H.K. Sandhu, E.S. Debus, S.H. Wipper and J.J.C. Trepte
- This experimental study shows that ischaemia/reperfusion leads to impaired intestinal microcirculation, which is not restored by volume administration despite improved cardiac output. Further volume administration exceeding preload reserve is associated with additional intestinal microcirculation decrease.

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D. Rojao, N. Kontopodis, S.A. Antoniou, C.V. Ioannou and G.A. Antoniou
- This meta-analysis, encompassing 12 studies and 433 prostheses, shows that 18-fluorine-FDG PET has a high sensitivity in diagnosing vascular prosthetic graft infection. Its accuracy can be further improved by combining PET with CT.

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R.B. Grobber, C. Frima, H.M. Nathoe, T. Leiner, J.M. Kwakkel-van Erp, W.A. van Klei, L.M. Peelen and J.A. van Herwaarden
- This study reports an incidence of 12% (9/74) of silent pulmonary embolism after EVAR despite routine thrombo-embolism prophylaxis.

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A. Lejay and N. Chakfe

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

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