Eversion versus Standard CEA?

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I have lectured at Carotid Workshops, on methods of arteriotomy closure, which were sponsored by Le Maitre, but I did not receive any Speaker Fees

meta-analysis of 10 RCTs (2157 CEAs) found that routine patching was associated with significant reductions in early & late complications, versus routine primary closure:

Vs

30-day reduced ipsilateral stroke
reduced carotid thrombosis

long term reduced late restenosis
reduced ipsilateral stroke

meta-analysis of 10 RCTs (2157 CEAs) found that routine patching was associated with significant reductions in early & late complications, versus routine primary closure:

Vs

5 studies, 2465 patients
no differences in 30-day death/stroke or late stroke
eversion CEA associated with significantly fewer restenoses >50%
patched CEA vs eversion CEA: no difference in restenosis rates

Eversion versus Conventional Carotid Endarterectomy: A Meta-analysis of Randomised and Non-randomised Studies

C.N. Antonopoulos *, J.D. Kakish *, T.N. Sergentanis *, C.D. Lippis *

21 studies, 16251 patients
significant reduction in 30-day death, stroke, favouring ev CEA
significant reduction in late ICA occlusion, favouring ev CEA
ev CEA superior to patched CEA (30-day death, stroke)

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5 RCTs, 20 non-RCTs, 49,500 patients
RCTs: no difference between ev CEA and conv CEA
non-RCTs: significant reductions in 30-day death, stroke, restenosis favouring eversion CEA
patched CEA vs ev CEA: NO difference in early or late outcomes

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Eversion versus ‘Standard’ CEA?

‘take home message’
external & late outcomes after ‘conventional’ CEA are similar to those after eversion CEA, PROVIDED the arteriotomy is patched.