

Clinical trials of carotid artery stenting

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1 carotid stenosis

| Trial | Treatments | Patients | Trials design and methods |
|---|--|--|---------------------------|
| carotid artery stenting vs medical treatment | | | |
| SAMMPRIS , 2011 [NCT00576693] n=224/227 follow-up: 11.9 months | aggressive medical management plus percutaneous transluminal angioplasty and stenting versus aggressive medical management alone | patients who had a recent transient ischemic attack or stroke attributed to stenosis of 70 to 99% of the diameter of a major intracranial artery | Parallel groups open |
| carotid artery stenting vs surgery | | | |
| Leicester (Naylor) , 1998 n=11/12 follow-up: 65279;1 month | Self-expanding Wallstent versus surgery | patients with focal carotid territory symptoms and severe ICA stenosis (>70%) | Parallel groups open |
| WALLSTENT (Alberts) , 2001 n=107/112 follow-up: 12 months | - | - | Parallel groups open |
| CAVATAS-CEA , 2001 [ISRCTN01425573] n=251/253 follow-up: 36 months (4y) | Pre-1994: PTA only after 1994: Wallstent, Streker, Palmaz versus carotid endarterectomy | patients of any age with symptomatic or asymptomatic carotid artery stenosis suitable for surgery | Parallel groups open |
| Kentucky A (Brooks) , 2001 n=53/51 follow-up: 48 months | Wallstent versus surgery | patients presenting with cerebrovascular ischemia ipsilateral to carotid stenosis | Parallel groups open |
| Kentucky B (Brooks) , 2004 n=43/42 follow-up: 48 months | Wallstent, Dynalink versus carotid endarterectomy | patients with asymptomatic carotid stenosis of more than 80% were selected | Parallel groups open |
| SAPPHIRE (yadav) , 2004 n=167/167 follow-up: 36 months | Smart or Precise (self-expanding nitinol stent)age/pj versus surgery | patients with coexisting conditions that potentially increased the risk posed by endarterectomy and who had either a symptomatic carotid-artery stenosis of at least 50 percent of the luminal diameter or an asymptomatic stenosis of at least 80 percent | Parallel groups open |

continued...

| Trial | Treatments | Patients | Trials design and methods |
|--|---|--|---|
| EVA-3S (Mas) , 2000 n=261/259 follow-up: 6 months | various stent versus endarterectomy | patients with a symptomatic carotid stenosis of at least 60% | Parallel groups open |
| SPACE , 2000 n=607/589 follow-up: 1 month | carotid-artery stenting (Carotid Wallstent; Precise; Acculink) versus Carotid endarterectomy | patients with symptomatic carotid-artery stenosis within 180 days of transient ischaemic attack or moderate stroke (modified Rankin scale score of <or =3) | Parallel groups open |
| TESCAS-C (Ling) , 2006 n=NA follow-up: 6 months | - | - | Parallel groups open |
| BACASS (Hoffman) , 2006 n=NA follow-up: 45 months | stent versus CEA | patients with symptomatic carotid stenosis >70% | Parallel groups open |
| Steinbauer , 2008 n=43/44 follow-up: 65 months | carotid artery stenting versus Carotid endarterectomy | - | Parallel groups |
| ICSS , 2010 [ISRCTN25337470] n=855/858 follow-up: 120 days | carotid artery stenting versus endarterectomy | patients with symptomatic carotid stenosis of greater than 50% within last six months | Parallel groups open Europe, Australia, New Zealand, Canada |
| CREST , 2010 [NCT00004732] n=2502 follow-up: 2.5y | carotid artery stenting (with distal-protection) versus carotid endarterectomy | patients with both asymptomatic and symptomatic extracranial carotid stenosis | Parallel groups open US, Canada |
| SPACE 2 <i>ongoing</i> n=NA | - | - | |
| ACST-2 <i>ongoing</i> [NCT00883402] n=NA follow-up: 10 years | Carotid Artery Stenting versus Carotid endarterectomy | patients with asymptomatic carotid artery narrowing in whom prompt physical intervention is thought to be needed, but there there is still substantial uncertainty shared by patient and doctor about whether surgery or stenting is the more appropriate choice | Parallel groups open |
| ACT I <i>ongoing</i> [NCT00106938] n=NA follow-up: | - | - | |
| Agostoni <i>ongoing</i> n=NA | - | - | |

continued...

| Trial | Treatments | Patients | Trials design and methods |
|---|------------|----------|---------------------------|
| Link <i>ongoing</i> n=NA | - | - | |

More details and results :

- endovascular treatment for carotid stenosis in all type of stenosis at <http://www.trialresultscenter.org/go-Q164>

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ongoing trial

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ACST-2, 0:

ongoing trial NCT00883402

ACT I, 0:

ongoing trial NCT00106938

Agostoni, 0:

ongoing trial

Link, 0:

ongoing trial