

Stroke trials

Trial	Bottom Line
NINDS IV TPA	Benefit of IV tPA in the 3 hour time window
ECASIII	Benefit of IV tPA in the 3-4.5 hour time window
SPARCL	Benefit of statins in secondary stroke prevention
IST/CAST	Benefit of aspirin in secondary stroke prevention
ESPIRIT/ESPS2	Marginal benefit of Aggrenox over aspirin after mild non-AF stroke in secondary stroke prevention
CAPRIE	No benefit of Plavix over aspirin after mild non-AF stroke in secondary stroke prevention
CHANCE/POINT	Benefit of short term dual anti-platelets after mild non-AF stroke or TIA in secondary stroke prevention
MATCH	No benefit of long term dual anti-platelets in 2 nd non-AF stroke prevention
TOAST	No benefit of heparin drip over aspirin for acute strokes (< 24 hours)
SOCRATES	No benefit of ticagrelor over aspirin for secondary prevention of stroke
SPAF	Benefit of Warfarin over aspirin in stroke prevention in AF
ROCKET-AF	Comparable benefit of NOACs versus warfarin for secondary stroke prevention in setting of non-valvular AF
ARISTOTLE	
RE-LY	
RE-ALIGN	No benefit of dabigatran versus warfarin for secondary stroke prevention in setting of valvular AF
WARSS	No benefit of Warfarin over anti-platelets for secondary stroke prevention after non-AF stroke
WASID	No benefit of Warfarin over anti-platelets for secondary stroke prevention after ICAD-related stroke
CADISS	No benefit of Warfarin over anti-platelets in secondary stroke prevention after dissection
WARCEF	No benefit of Warfarin over anti-platelets in secondary non-AF stroke prevention after low EF-related stroke
SAMMPRIS	Benefit of max medical management over stent for secondary stroke prevention in intracranial atherosclerosis
DECIMAL, HAMLET, DESTINY	Benefit of hemi-craniectomy over medical therapy after malignant cerebral edema in reducing mortality and severe disability (age < 60)
DESTINY II	Benefit of hemi-craniectomy over medical therapy after malignant cerebral edema in reducing mortality and severe disability (age > 60)
NASCET	Benefit of CEA over medical therapy for secondary stroke prevention after carotid stenosis related stroke
CREST	No difference in stenting versus CEA for standard risk patients with carotid stenosis
EC-IC BY-PASS STUDY, COSS	No benefit of EC-IC bypass versus medical therapy for secondary stroke prevention after carotid occlusion related stroke
HERMES	Meta-analysis of five thrombectomy trials showing improved stroke outcome
DAWN/DEFUSE3	Thrombectomy 6-24 (DAWN) or 6-16 (DEFUSE3) hours after onset of symptoms improves stroke outcome in selected patients
FLAME	Benefit of fluoxetine in motor recovery after stroke
REDUCE PFO/RESPECT PFO	PFO closure reduces risk of subsequent stroke in patients with cryptogenic stroke