

Carotid Artery Stenting during Endovascular treatment of acute ischemic Stroke (CASES) – a multicenter randomized clinical trial

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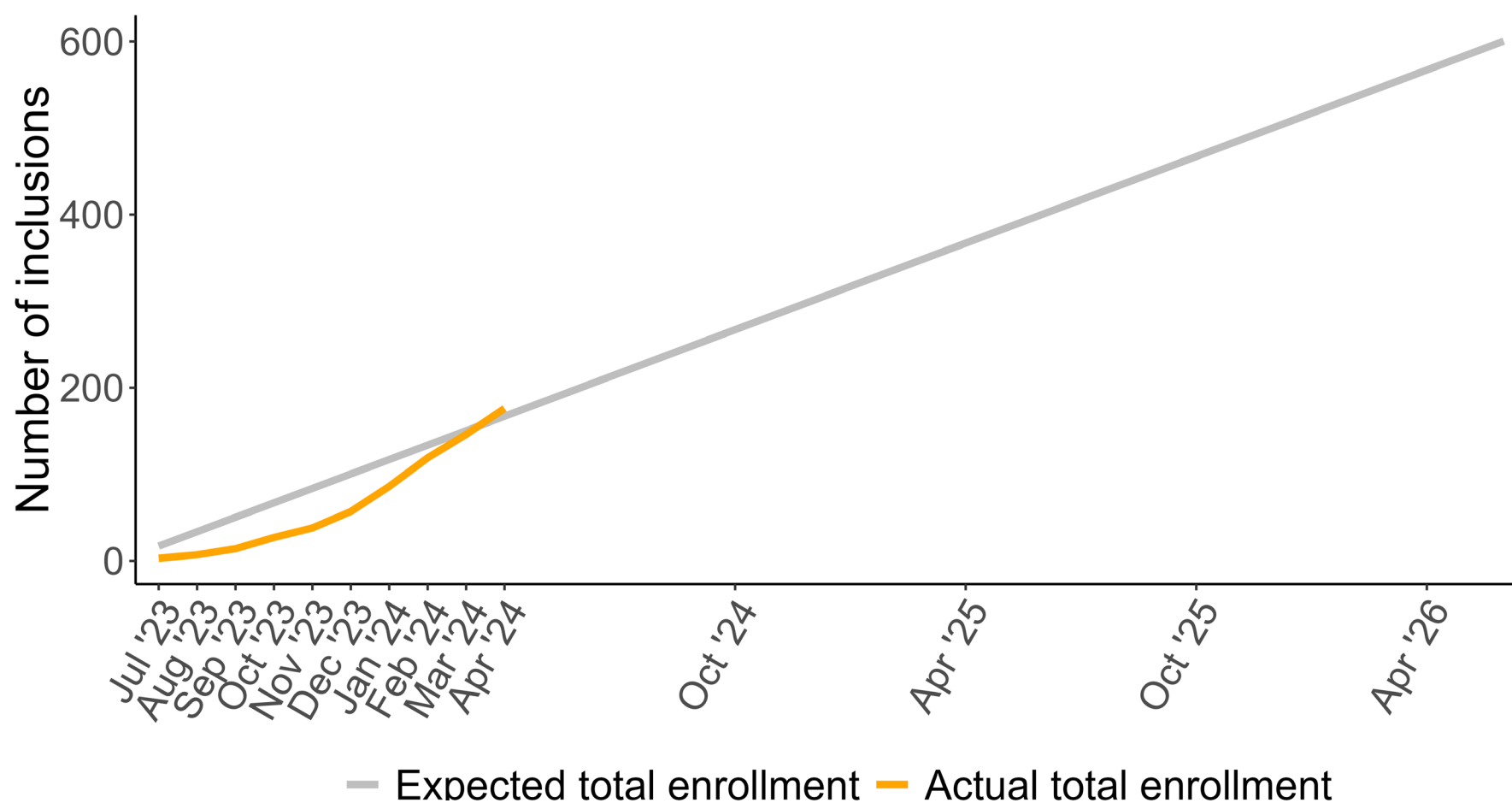
The optimal management of tandem lesions in acute ischemic stroke patients is unclear.

The CASES trial will provide high-quality randomized data on the efficacy and safety of **immediate carotid artery stenting (CAS)** in patients undergoing endovascular treatment for **intracranial large vessel occlusions (LVO) and concomitant carotid artery stenosis** of presumed atherosclerotic origin.

- ▶ PROBE design & non-inferiority design
- ▶ 600 patients
 - CTA-proven intracranial LVO in the anterior circulation
 - Ipsilateral proximal ICA stenosis (>50%) or occlusion of presumed atherosclerotic origin.
 - Eligible for EVT
- ▶ Randomization to immediate CAS versus deferred treatment (CEA/CAS/BMT)
- ▶ Primary endpoint: mRS at 90 days
- ▶ Secondary endpoints:
 - NIHSS at 24 hours and 5-7 days, recurrence of ischemic events, carotid re-occlusion, symptomatic ICH, mortality and quality of life



Trial progress



- ▶ 28 EVT centers in the Netherlands and Belgium
- ▶ First patient randomized on July 5th 2023
- ▶ To date, 190/600 patients in 23 different centers

van Elk T, Maes L, van der Meij A, et al. Immediate Carotid Artery Stenting or Deferred Treatment in Patients With Tandem Carotid Lesions Treated Endovascularly for Acute Ischaemic Stroke. *EJVES Vasc Forum*. 2023;61:31-35. Published 2023 Dec 19. PMID 38234597



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