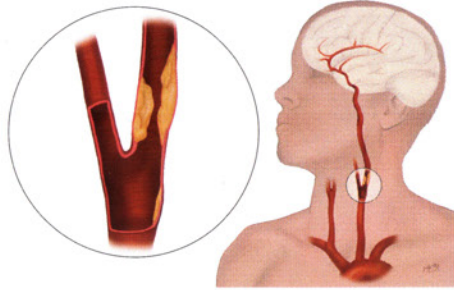


Treating Carotid Disease

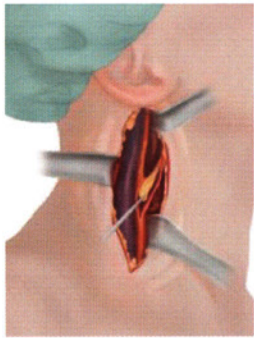
Carotid artery disease is estimated to be the source of stroke in up to a third of cases and there are 400,000 new diagnoses of carotid artery disease made every year in the United States alone.



Carotid Artery Disease

Most cases of carotid artery disease, similar to other vascular diseases caused by atherosclerosis, are medically managed. Carotid intervention is indicated when:

- Symptomatic patients with stenosis $\geq 50\%$
- Asymptomatic patients with stenosis $\geq 80\%$



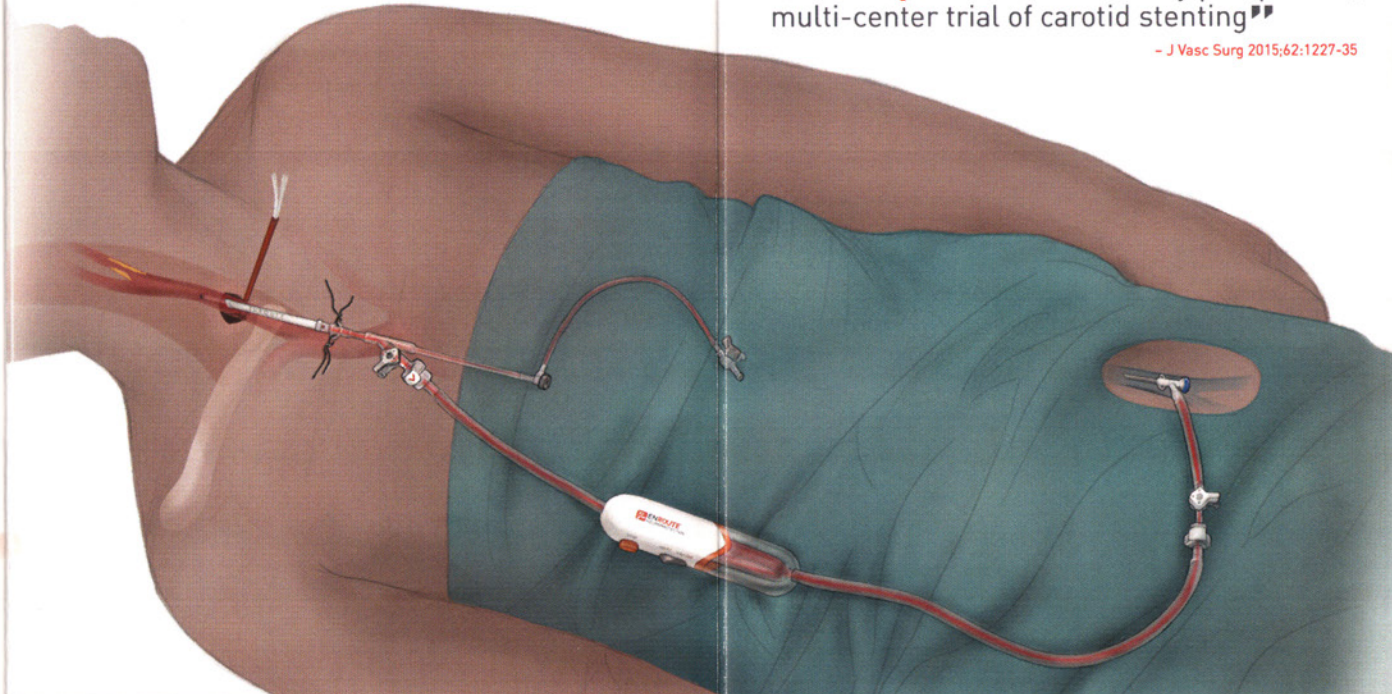
Carotid Endarterectomy

Carotid endarterectomy (CEA) has long been considered the gold standard treatment because of its low procedural stroke rate. However, CEA carries a higher risk of myocardial infarction, and cranial nerve damage due to the larger incision. Transcarotid artery revascularization (TCAR) is a new, less-invasive procedure with the lowest reported carotid stenting stroke rate of 1.4%¹.

TCAR TransCarotid Artery Revascularization

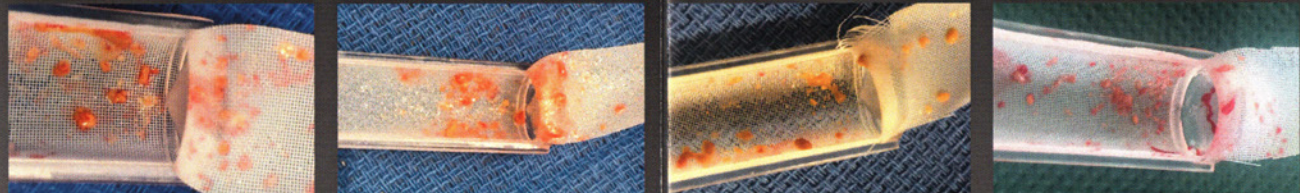
“The overall **stroke rate** of **1.4%** is the **lowest reported to date** for any prospective, multi-center trial of carotid stenting”

- J Vasc Surg 2015;62:1227-35



TCAR is a patient-friendly, endovascular procedure that incorporates the neuroprotection principles of CEA. It utilizes the ENROUTE® Transcarotid Neuroprotection System to temporarily reverse blood flow away from the brain, collecting any potential debris in the device filter, before returning the blood to a vessel in the leg. With reverse flow neuroprotection established, the ENROUTE® Transcarotid Stent is then implanted in the lesion for long-term plaque stabilization and stroke prevention.

TCAR is well-suited for patients who are at higher risk of surgical complications, due to age, medical co-morbidities, or anatomical issues. The TCAR Surveillance Project, a quality initiative led by the Society of Vascular Surgeons, has established Medicare coverage and reimbursement for symptomatic and asymptomatic patients.



Actual debris captured in filters