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Transcarotid artery revascularization (TCAR): a technical video

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ABSTRACT

Carotid revascularization is an important method of stroke prevention and includes carotid endarterectomy and transfemoral carotid angioplasty and stenting. More recently, a hybrid open-endovascular approach, termed transcarotid artery revascularization (TCAR), is garnering increased attention. Although fundamentally a ‘stenting procedure’, unlike transfemoral carotid angioplasty and stenting, TCAR allows for a proximal neuroprotection strategy based on flow reversal. In this technical video, we will review operative techniques and nuances of the TCAR procedure, with a particular focus on the neurovascular proceduralist looking to adopt this technique into routine clinical practice(video 1).

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Patient consent for publication Not required.

Ethics approval This study involves human participants but an Ethics Committee(s) or Institutional Board(s) exempted this study. An informed consent is attached.

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Video 1 TCAR Technical Video