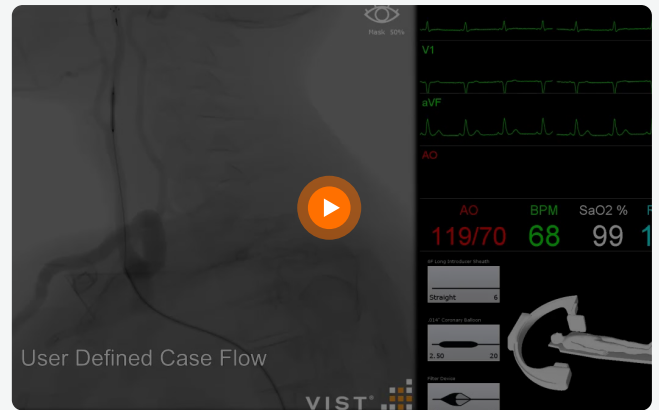


Carotid-Intervention

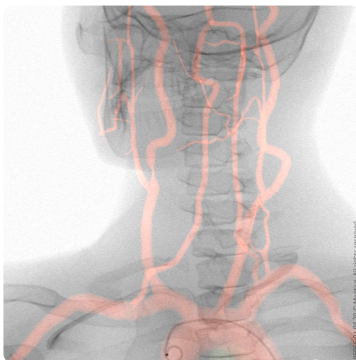
Hands-on training for carotid artery stenting – CAS

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This learning module is designed for:

Interventional neuroradiologists



CAS is a technically complex endovascular procedure that is associated with a distinct learning curve. The module provides tools and strategies for improving procedural outcomes. Staged training for a variety of anatomies and lesion positions include hostile necks, high lesions and cases of radiation induced stenoses. Simulator training allows the learner to gain a thorough hands-on understanding of this high-risk procedure, without any risk to the patient.

The technical and cognitive aspects can be learned and objectively assessed in a risk-free environment. The training includes a large number of different cases with varying anatomies and all main aortic arch types are represented. Cases for more advanced learners also include baroreceptor responses and management of dissections and spasms. Using VIST® Case-It for Carotid Intervention, you can import patient specific CT data and create your own case training library.

Features & Benefits

Key Benefits

Accurate patient selection and team preparation

Procedural planning based on patient scenarios

Introduction to the clinical devices used for CAS

Acquisition of technical and psychomotor skills

A safe way to train the steps involved in carotid intervention

Features & Functionalities

- Clinical scenarios for patient oriented learning
- Various carotid anatomies including different lesion types and positions
- LICA, RICA, LCCA, RCCA and bifurcation lesions
- Type I, II, III and bovine aortic arch anatomies
- Realistic device behavior requiring appropriate device selection
- Procedural complications including spasms, dissections, bradycardia and hypotension
- Medication available to manage complications
- Vital signs responsive to drugs, catheter manipulation and placement
- Detailed metrics for assessment and debriefing
- VIST® Case-It for importing patient specific CT data
- VIST® Case-It for fast case creation using our anatomy library

Training Objectives

- Optimize tool selection for safety and economy
- Navigate different aortic arch types
- Utilize the telescope technique
- Navigate Embolic Protection Device (EPD) through lesion
- Optimally position protection device distally to lesion
- Maintain position of the EPD throughout the procedure
- Assess need for pre-dilatation and associated risks
- Carefully release and post-dilate self-expanding stents
- Administer medication to handle complications
- Safely retrieve the embolic protection device