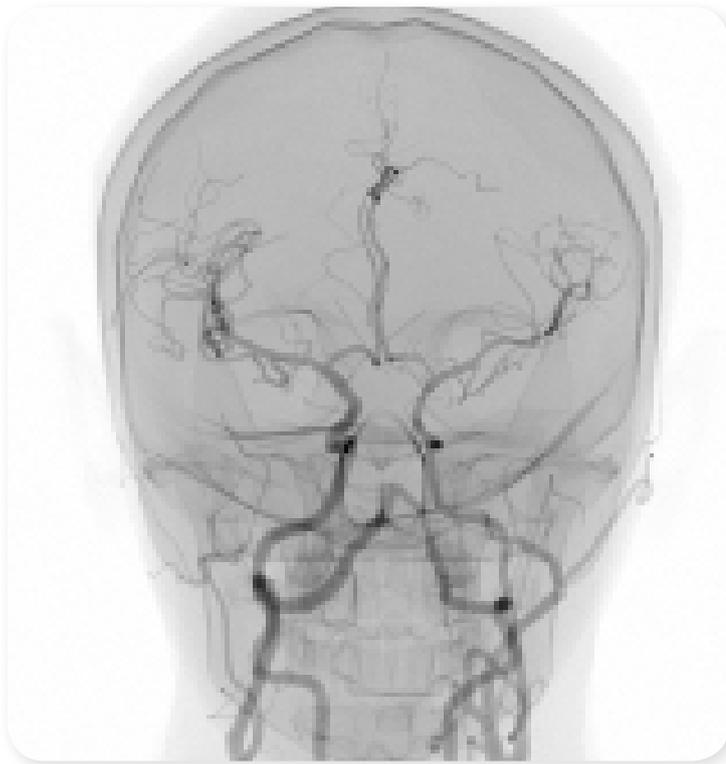


# ACUTE ISCHEMIC STROKE INTERVENTION



## HANDS-ON TRAINING FOR ENDOVASCULAR TREATMENT OF ACUTE ISCHEMIC STROKE

Ischemic stroke is the second leading cause of death and the predominant cause of long-term disability in the Western world. Until recently, the standard treatment for ischemic stroke was intravenous administration of r-tPA. Over the past years studies have shown that r-tPA followed by mechanical thrombectomy is superior in large vessel occlusions to only administering r-tPA, given the mechanical thrombectomy is performed by an expert. The lack of experts compared to the potential patient volume means that many new operators need to be trained.

The Mentice Acute Ischemic Stroke Intervention training software offers hands-on training for endovascular treatment of acute ischemic stroke and is directed towards proctor-led training. Trainees can improve their skills in challenging scenarios by training on difficult accesses and dealing with complications away from patients. Several different techniques are supported to achieve carotid access as well as removing the thrombus – leading to acquire skills to perform a safe and efficient treatment of acute ischemic stroke.

### KEY TRAINING OBJECTIVES

- Perform a safe carotid access in difficult aortic arch variations (e.g. avoiding vessel scraping, advancing wire without fluoroscopy)
- Perform aspiration through collection of thrombus at tip of catheter and understanding the flow feedback through catheter (ADAPT)
- Learn a safe technique (under aspiration, single motion) to withdraw a stentriever
- Manage carotid artery stenosis considering distal thrombus
- Navigate a tortuous carotid artery and understand haptic feedback on aspiration catheter
- Manage complications such as dissections, spasms and distal migration

More training objectives can be found at [mentice.com/acute-stroke-intervention](https://mentice.com/acute-stroke-intervention)

### KEY BENEFITS

- Safe training of endovascular ischemic stroke treatment in a safe environment
- Increases familiarity of different strategies and techniques
- Helps to deal with complications in an acute procedure
- Allows for focused access and thrombectomy training
- VIST® Case-It to create your own cases



## FEATURES AND FUNCTIONALITIES

- Ability to use real clinical devices
- Stent retrievers and aspiration catheters (e.g. ADAPT) included
- Type 1, 2, 3 arch and bicarotid aortic takeoff variations
- Advanced imaging with biplane C-arm, DSA, shutters, 3D overlay and 3DRA
- Various cerebral anatomy variation with different difficulty
- Didactic aspiration visualization
- Various complications including dissection, spasm and distal migration
- Record and export cine loops for review and debriefing
- VIST® Case-It support makes it possible to import user's own cases



## THIS TRAINING MODULE IS DESIGNED FOR

- Interventional neuroradiologists

## RELATED MODULES

- Carotid intervention
- Neurovascular coiling
- Neurovascular Thrombectomy

## CASE LAYOUT

- Total of 6 cases
- 3 cases focusing on carotid access
- 3 cases focusing on mechanical thrombectomy

*For case descriptions please contact us.*

For more information, please visit [mentice.com/acute-stroke-intervention](https://mentice.com/acute-stroke-intervention) or email [info@mentice.com](mailto:info@mentice.com)