Our Team

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Neuro Interventional Surgery
& Comprehensive Stroke Services
Patient Information
Bringing Comprehensive, Minimally Invasive Brain Care to the Mohawk Valley

As the third-largest volume stroke center in New York State, we know that providing advanced, comprehensive brain care in our community is important. Our board-certified neuro interventional team, combined with our new bi-plane fluoroscopic imaging system, bring the Mohawk Valley Health System (MVHS) access to the most advanced neuro endovascular and comprehensive stroke care in our region.

Endovascular treatment for cerebrovascular disease is a rapidly growing area, and the physicians at MVHS are leading the way. Using state of the art advances, our team offers minimally invasive treatment for patients with complex cerebrovascular disease. This allows patients to have faster recovery with less pain and a shorter inpatient stay. Some procedures can be performed in an outpatient setting. When successful, these procedures minimize the need for some major vascular surgical procedures.

Clot in the blood vessel.

Clot captured by device.

Clot Retrieval in Acute Stroke
• We use state of the art, catheter-based therapy to remove blood clots in the brain.
• This intervention can typically be provided up to eight hours after symptom onset using advanced radiologic imaging.

Treatment of Complex Brain Aneurysm
• Catheter-based technology allows us to repair most ruptured and un-ruptured brain aneurysms through minimally invasive procedures without open surgery.
• Endovascular techniques employ use of detachable titanium and bioactive aneurysm coils.
• Complex and wide-neck aneurysm treatment can also be offered with stent-assisted coiling.
• Elective aneurysm intervention can be offered as an outpatient procedure and patients can be discharged the following day.

Carotid Artery Stenting
• Carotid artery stenosis is one of the most common causes of stroke and Transient Ischemic Attack (TIA).
• Current evidence indicates carotid artery stenting reduces the risk of stroke when compared to maximal medical management.
• Recent studies demonstrate equal efficacy with carotid artery stenting when compared with carotid endarterectomy (CREST).
• Current catheter-based technology allows us to open the blocked carotid artery responsible for stroke/TIA via minimally invasive techniques by placing a titanium stent in the blocked carotid artery.

Arterio-Venous Malformation (AVM)
• A brain AVM is an abnormal connection between arteries and veins. An AVM is typically congenital, meaning people are born with it.
• A brain or spine AVM which appears as a tangle of abnormal arteries and veins can occur in any part of your brain or spine. The cause of AVM is not entirely clear.
• Patients may not know they have an AVM until they experience symptoms such as headache, seizures or, in serious cases, rupture of the blood vessels, causing brain hemorrhage.
• Once diagnosed, brain AVM can often be treated successfully.
• Treatment often requires a combination of neuro-endovascular embolization, micro-neurosurgery and radiosurgery.
• MVHS offers minimally invasive, catheter-based endovascular embolization of AVM under conscious sedation.

Before and after clot removal.