Advancements in aneurysm clipping

Riverside Neuroscience Institute physicians were the first in central Ohio to use Integrated Neurovascular Fluorescence (using Indocyanine Green) in aneurysm clipping. The technique allows the surgeon to view neurovascular blood flow while still looking through the operative microscope and immediately assess whether clipping of the aneurysm is complete or incomplete.

Onyx® liquid embolism: latest advancement in aneurysm treatments

In late 2007, a substance named Onyx® became the first liquid embolic agent to be available in the United States for the treatment of AVMs. In December 2009, Riverside Neuroscience Institute was the first hospital in central Ohio to successfully use Onyx® HD-500 in the treatment of a complex aneurysm. The substance, a minimally invasive treatment granted a Humanitarian Device Exemption by the FDA, is delivered to the aneurysm via a micro-catheter and acquires a spongy consistency when it comes in contact with the blood. During the procedure, the neck of the aneurysm is temporarily occluded by a balloon to reduce the risk of the co-polymer exiting the aneurysm and entering the native circulation. RNI’s Neurovascular Center also uses Onyx® 18 and Onyx® 34, which are FDA approved for the treatment of vascular malformations.