

Microvascular Surgery Skills Training

Friday, January 15, 2016

Faculty

William Casey III, M.D, Assistant Professor of Plastic Surgery, Mayo Clinic
William Anding, Instructor of Microsurgery, Mayo Clinic

8:00 am – 9:00 am

Introduction / didactic session to familiarize the participants with microsurgery instrumentation and the microscope, suturing techniques, tissue handling, anastomotic techniques, and new technology such as couplers, implantable dopplers, and monitoring / imaging techniques.

9:00 am – 12:00 am

After watching an end to end arterial anastomosis instructional video, and instructors demonstrating the initial dissection, attendees will perform end to end arterial anastomoses under the direction of the instructors. Check the previous anastomoses for patency, if clotted, the vessel is opened to find any technical error. An instructional video of an end to end anastomosis using the coupling device is shown. Attendees will then perform end to end venous anastomoses using the coupling device under the guidance of the instructors.

12:00 noon – 1:00 pm

Lunch

1:00 pm – 5:00 pm

Review the morning's work. Instructional video demonstrating end to side anastomosis is shown and attendees proceed with end to side anastomosis under the direction of the instructors. Review and question and answer session on everything covered for the day and each attendee is assessed using the Western Ontario validated microsurgery performance scale.