

*Microsurgery Training and Research Laboratory,
Department of Orthopaedic Surgery, Columbia University*

**ADVANCED COURSE IN MICROSURGERY
5 DAYS**

SESSION ONE: (5-6 hrs.) “Brushing –up” on basics

DVD:

Title: “Two-stay Interrupted End-to-End Anastomosis “by Dr. Strauch

PRACTICUM:

Practice end-to-end arterial anastomosis using interrupted suturing (1hr)

DVD:

Title: “Rat femoral Vein Anastomosis” by Dr. Cooley

PRACTICUM:

Practice end-to-end venous anastomosis using interrupted suturing. (1hr)

DVD:

Title: “End-to-Side Anastomosis “by Dr. Cooley

PRACTICUM:

Practice end-to-side anastomosis using femoral artery to the side of femoral vein. (1hr)

PRACTICUM:

Practice end-to-side anastomosis using femoral vein to the side of femoral artery. (1hr)

SESSION TWO: (5-6 hrs.)

PRACTICUM:

End-to-end carotid artery anastomosis (1, 5 hrs.)

PRACTICUM:

Practice carotid end-to-side bypass using arterial graft (femoral artery) (2hrs)

DVD:

Title: “Interposition Vein Graft “by Dr. Brian Cooley

PRACTICUM:

Practice interpositional vein graft using epigastric vein and femoral artery. (2,5 hrs)

SESSION THREE: (5-6 hrs.)

PRACTICUM:

Groin Free Tissue Flap using femoral vessels as a pedicle

SESSION FOUR: (5-6 hrs.)

PRACTICUM:

Groin Free Tissue Flap using interior superficial epigastric artery and vein and 11-0 nylon

SESSION FIVE: (5-6hrs) *Depending on the specialty of the students the following exercises could be preformed*

PRACTICUM:

Vasovasostomy and Vasoepididymostomy

Fallopian Tubes repairs

Serratus anterior muscle flap to femoral vessels

Organ (renal) transplant utilizing continuous suturing