



## MICROSURGERY TRAINING LABORATORY

### Advanced Courses in Microsurgery (1 day)

The advanced courses are geared towards micro-surgeons who are comfortable with the standard end-to-end anastomosis and would like to learn advanced techniques. The advanced course is a modular course and one may choose one or more modules depending on their specific requirements. Each module consists of a short video, practice on a chicken thigh model followed by practice on a rat model.

### Module 1: Back wall up Module (1 day)

|                 |  |
|-----------------|--|
| 0830 - 0900hrs: | Instructional video                                  |
| 0900 – 1030hrs: | Chicken thigh (artery & vein) – Back wall up         |
| 1030-1045hrs:   | Coffee Break   |
| 1045 – 1300hrs: | Rat*(artery and vein) – Backwall up                  |
| 1300 - 1345hrs: | Lunch  |
| 1345 – 1545hrs: | Rat* (artery and vein – opposite side) – Backwall up |
| 1545 – 1600hrs: | Coffee Break   |
| 1600 – 1700hrs: | Rat* (artery and vein – opposite side) - Backwall up |

### Module 2: Vein graft module (1 day)

|                 |   |
|-----------------|---|
| 0830 - 0900hrs: | Instructional video                                 |
| 0900 – 1030hrs: | Chicken thigh (use vein to bridge defect in artery) |
| 1030-1045hrs:   | Coffee Break  |
| 1045 – 1300hrs: | Rat*(use femoral vein to bridge defect in artery)   |
| 1300 - 1345hrs: | Lunch   |
| 1345 – 1545hrs: | Rat*(use femoral vein to bridge defect in artery)   |
| 1545 – 1600hrs: | Coffee Break  |



1600 – 1700hrs: Rat\*(use femoral vein to bridge defect in artery)

### **Module 3: End to side module (1 day)**

0830 - 0900hrs: Instructional video

0900 – 1030hrs: Chicken thigh (divide femoral vein and suture proximal end into side of artery)

1030-1045hrs: Coffee Break

1045 – 1300hrs: Rat\*(divide femoral vein and suture proximal end into side of artery)

1300 - 1345hrs: Lunch

1345 – 1545hrs: Rat\*(divide femoral vein and suture proximal end into side of artery)

1545 – 1600hrs: Coffee Break

1600 – 1700hrs: Rat\*(divide femoral vein and suture proximal end into side of artery)

### **Module 4: Supermicrosurgery module (1 day)**

0830 - 0900hrs: Instructional video

0900 – 1030hrs: Chicken thigh (do repair of femoral artery in popliteal fossa)

1030-1045hrs: Coffee Break

1045 – 1300hrs: Rat\*(repair of epigastric artery and vein)

1300 - 1345hrs: Lunch

1345 – 1545hrs: Rat\* (repair of epigastric artery and vein)

1545 – 1600hrs: Coffee Break

1600 – 1700hrs: Rat\*(repair of epigastric artery and vein)