

Basic Microsurgery Course

Department of Orthopaedics & Traumatology of the University of Hong Kong will offer a Microsurgery Course to Basic and Advanced Orthopaedic trainees. This course emphasize on hands-on practice of microsurgery.

This course is designed to provide opportunities for participants to acquire the various basic techniques from the use of real operating microscope in various types of vascular anastomosis in a structured manner. As the emphasis is hands-on practice and optimal guidance, each time only 2 participants can be accommodated. Flexible arrangement of training session is possible. The venue will be at 9/F., Laboratory Building, Faculty of Medicine, The University of Hong Kong.

Programme :

Section 1 – Basic Microsurgical Techniques. The participant is expected to be able to operate the operating microscope, obtain binocular vision, handle tissue with micro instruments and apply 80 micro sutures to a nerve. A video will be available. (3 hours)

Model: Sciatic nerve repair in rat or carotid artery repair in rat.

Section 2 & 3 – Arterial end to end anastomosis. The participant is expected to be able to dissect out an artery, prepare an artery for anastomosis, suture an artery without excessive leakage and the vessel should remain patent after 30 minutes. (3 hours each).

Model: Carotid artery anastomosis in rat

Section 4 – The participant is expected to anastomose a smaller artery without leakage and the vessel should remain patent after 30 minutes. (3 hours)

Model: Femoral artery anastomosis in rat

Section 5 – The participant is expected to be able to prepare a vein for anastomosis, to apply sutures and the vessel should remain patent after 30 minutes (3 hours)

Model: Internal jugular vein anastomosis in rat

Section 6 – Assessment: successful criteria:

Patent carotid artery anastomosis at 30 minutes post-operation

Assessment will be repeated if necessary

Animal license is required for this course and the application takes about 1 month. Although we try to keep the course affordable, cost of animal and micro sutures is very expensive so a registration fee of **HK\$7000** will be charged.

A certificate of successful assessment or certificate of participation will be presented after the course. Those who are interested can send the registration form to Ms Doris Lau and she will send you the document for animal license application.

Should you have any queries, please feel free to contact Ms Doris Lau at 2255 4581 or lws835a@ha.org.hk.

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