Programme of clinical course for last year students

Semmelweis University
Faculty of Medicine

Educational units:
Department of Vascular Surgery

Subject: Vascular surgery
Type: Compulsory
Code: AOKSBE066_SA

Length: 1 week
Working hours: 35 hours / week, 24-hour duty once in two weeks

Lecturer of the subject: Dr. Péter Sótonyi

Programme of the subject:

1. Reception, arrangement of the students and assignment of the tutors

At eight o’clock in the morning on the first day of the turn (on Monday morning) the students report themselves in a group at the Education Assign (Dr. Péter Banga, assistant professor) and the Chief Sister of the institution. They can get information about the place of the meeting from the porter at the main entrance. The students get their white coat and lock between 8 and 8.30. After this the students are addressed to their tutors. The aim would be one student to one tutor, but this is mostly impossible because the number of students registered for the same turn is usually high (4-5 students to one tutor). It is the tutors’ responsibility to show the whole spectrum of vascular surgical job to the students: wardround in the morning, examination of patients, diagnostics of vascular diseases, therapeutic strategies, surgical techniques, postoperative control of patients, medical therapy, realising and treatment of complications, review of long-term results and activity at the outpatient clinic.

2. Students’ activity on the ward

The students guided by the tutors take part in the wardrounds where they gain information about the medical history and operations or the options of planned procedures of the patients at the ward. On the first day, if possible, the tutors describe the features of arterial and venous diseases: anamnesis, risk factors of vascular diseases, palpation, auscultation, examination with CW doppler machine, special tests (Trendelenburg, Perthes, postural, capillary refill), estimation of ischemic heart disease and confirmation or exclusion of it (ECG, ECHO, medical history), specification of comorbidities that can affect the operation. On the next days the students duty should be to admit patients and discuss it with the tutors on the same day. The students participate the changing of the dressings, the administration of injections and set up of infusions or transfusions. They also should take part in the removal of the stiches, the preparation of discharge letters and should observe and use the computer systems on the ward.
3. **Diagnostics of vascular patients**

The students spend at least one day at the catheter, carotid duplex ultrasound and CT/MR laboratory where they can make themselves familiar with the most frequent invasive and non-invasive diagnostic methods and endovascular treatment options.

4. **Activity in the operating theatre**

The students take part in the operations of the patients from the ward, they should follow all the steps of surgery and actively participate in some of them: anesthesia, narcosis, intubation, local anesthesia, urine catheter placement, i.v. injection administration, disinfection and isolation of the operation site, routine steps of surgery, drainage and closure of the wound, debridement if necessary. They should follow the patients to the ward or ICU. It is advisable for the students to scrub for the operations and assist. The students should have opportunity to touch the diseased and reconstructed vessels. During surgery the tutors are expected to explain the typical features of the given operation.

5. **Vascular outpatient clinic**

The students participate in the outpatient clinic of their tutors where they can learn and practise the examination of vascular patients (palpation, auscultation, CW doppler, evaluation of medical reports and results). They also can make themselves more familiar with the process of therapeutic decision making, control and follow-up of the patients.

6. **Theoretical education with emphasis on practice**

The students have a lecture every afternoon covering the whole field of vascular surgery. These 1 ½-2 hour long meetings should be based on practical issues.