Description of Surgery III. / Vascular surgery subject

The background of teaching vascular surgery

The cardiovascular diseases are one of the three leading death causes all over the world. Teaching the basics of this subject should be one of the most important tasks in the medical training.

The target of teaching vascular surgery

Our aim is to give a basic knowledge of the various vascular diseases, the patho-physiological background, the treatment and the prognosis. The students should learn how to prepare simple physical examinations and should know the diagnostical instrumental approaches. They should be familiar with the interventional radiological and operative techniques and the perioperative steps.

The steps of teaching vascular surgery

In the 5th grade one semester is available for teaching all the surgical specialities, like the vascular surgery. The required time is two times 90 minutes, both for the presentations and the practical courses. In addition we specified a 1 week practice for the 6th grade students.

The syllabus of teaching vascular surgery

The presentations include all the important areas of the vascular surgery. In the first 45 minutes we give a review of the pathophysiological background of vascular morbidities and of the symptoms, diagnostic approaches and the treatment of the cerebrovascular diseases. In the second lesson we talk about the dilatative angiopathies. The third lesson is about the aorto-iliacal diseases, symptoms, diagnostic steps and therapy. In the last 45 minutes the students learn about venous diseases. In the first practical course after a short presentation of the examinational steps, the students examine vascular patients, practice the pulse palpation, bruit auscultation, we introduce the operative instruments, grafts, and stentgrafts. On the second practice we perform the Doppler examination, the students learn to calculate the ankle-brachial index and examine patients with venous diseases (physical and Doppler examinations).