**Algorithm for the student**

**Physical examination of a patient with vascular disease of the lower extremities (laboratory-instrumental examination)**

1. The student is acquainted with the task

2. Student determines pulsation of arteries of lower extremities at different levels (a.femoralis, a.poplitea, a.tibialis posterior, a. dorsalis pedis).

3. The student evaluates the results of angiography with comments: indicates the level of artery occlusion and the level of collateral blood flow.

4. Student evaluates the results of the lipidogram.

5.Student to conduct an assessment the ankle-brachial index

1. Answer the questions in the form

**Algorithm for the student**

**Physical examination of a patient with vascular disease of the lower extremities (clinical examination)**

1. The student is acquainted with the task
2. Student determines pulsation of arteries of lower extremities at different levels (a.femoralis, a.poplitea, a.tibialis posterior, a. dorsalis pedis).
3. The student conducts the Laniel-Lavestin test with commentary: press a on the symmetrical parts of the fingers of both extremities, to evaluate the condition of the «white spot»
4. The student conducts the Opel test with commentary: lift up the lower limbs at an angle of 45 °, hold the lower limbs in such a position for 1 min, evaluate the condition of the skin of both feet
5. Answer the questions in the form

**Algorithm for the student**

**Physical examination of a patient with vascular disease of the lower extremities (varicose diseases, clinical examination)**

1. The student is acquainted with the task
2. Hakkenbruch test with commentary: In the patient's upright position, the fingers of the doctor are placed on the area of the sapheno-femoral anastomosis the investigated limb, below the inguinal fold,. The patient produces 2-3 cough impulses. If there are insufficiency of the superficial vein valves, the doctor during palpation determines the impulse of blood movement along the superficial veins.
3. Troynov-Trandelenburg test: The patient is in a lying position with a raised leg. Conduction of compression of a large subcutaneous vein in the area of the inguinal fold. The patient moves into standing position. Rapid swelling of varicose veins after cessation of compression indicates a lack of communicable veins
4. Answer the questions in the form

**Algorithm for the student**

**Physical examination of a patient with vascular disease of the lower extremities (varicose diseases, instrumental examination)**

1. The student is acquainted with the task
2. The student interprets the results of the ultrasound examination of the venous system: The passage of the deep venous system is preserved, there is reflux in the site of the osteal valve, varicose vein transformation of the large subcutaneous vein. Rejecting blood backwards for longer than 3 seconds is reflux.
3. Answer the questions in the form