Examination ticket No. 16

1. The sick K., 40, suffering from a flickering arrhythmia, suddenly had severe pain in his left foot and tibia. The patient was moaning from pain. The foot and lower third of the tibia were pale, cold to the touch. Tibia palpation was sharply painful, there were no active movements in the ankle joint, tactile sensitivity on the foot was reduced. The pulse on the femoral artery was satisfactory, on the rest of the arteries of the limb was not determined.

Your diagnosis and therapeutic tactics?

2. The patient came to the polyclinic for an appointment with the surgeon with complaints on pain in the area of the right hip joint, the presence of tumor formation in the right subcolonic pit. The examination revealed pronounced atrophy of right thigh muscles, a positive symptom of Alexandrov, fluctuation in the area of tumor growth in the right subcular pit. The surgeon made a puncture of the tumor formation, received pus. What mistake was wad the surgeon by?

What additional methods of research were necessary?