

The invention relates to medicine, in particular to traumatology and orthopedics and can be used for plasty of Achilles tendon defect with vascular flap.

Summary of the invention consists in that it is performed the dopplerography with the determination of the projection of the perforating vessels of the shin, nearby is selected one posterior tibial perforating artery, are performed two curved incisions with the concave sides directed toward the lateral and medial margin of the Achilles tendon with the common point of origin above the calcaneal tuberosity, the incision with the concave side directed toward the lateral margin is performed at a distance of 2 mm more posterior of the selected perforating artery, afterwards is mobilized the covering fascia, the Achilles tendon and the selected posterior tibial perforating artery, are excised the soft ulcerated and necrotized tissues of the Achilles tendon, from the medial part under the tendomuscular junction of the triceps muscle of calf is prepared a tendinous graft from the posterior wall of the tendon and the covering fascia of a width of 30 mm, a length of 300...100 mm and a thickness of 2...3 mm, then is prepared an ellipsoid flap that includes the skin, the covering fascia of the Achilles tendon with the vascular pedicle from the posterior tibial perforating artery and the tendinous graft, afterwards the prepared flap is rotated by 180° in the distal side and placed into the Achilles tendon defect region, and the ends of the tendinous graft are introduced into the sagittal gaps of the Achilles tendon fragments and are sutured, after which the wound is sutured in layers.

Claims: 1