

# OSTEOSINTEZA LA ADULȚI

## INDICATIONS AND TREATMENT OF DISTAL RADIUS FRACTURE



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### Objective of the study

Distal radius fracture is the most common fracture found in humans (Court-Brown and Caesar, 2006). Much has been written about this topic but there are many questions that remain, including controversy about the indications and appropriate treatment.

### Material and methods

In the period 01.04.2013-01.10.2015 in Orthopaedic Clinic of SCJU Constanta were operated a number of 74 patients with this type of fracture. According to AO classification there were distributed as follows: type 2.3 -A : 19 patients ; type 2.3 -B : 8 patients , 2.3 -C: 47 patients.

### Results. Discussion

Stable fractures can be treated conservatively and the unstable require surgical intervention.

Surgical methods used were percutaneous pins , external fixation , plate fixation.

Radiological control was performed immediately and postoperatively, at 6 and 12 weeks.

### Conclusions

Therapeutic indications in distal radius fracture requires a well established algorithm for an anatomical reduction and good functional results .

**Keywords:** fracture , radius, plate

## THE SURGICAL TREATMENT OF FRACTURES OF THE LOWER EXTREMITY OF THE TIBIA, SOME ASPECTS



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**Material and methods.** The authors present the results of treatment of a group of 30 patients with epimetaphyseal and metaphyseal fractures of the tibia type IC 4 1 A2-A3/AO and IC 4 3 A2-A3-B1/AO, average age 48 years. The article describes the results of practical application of the osteosynthesis methods used most often in terms of Orthopaedics and Traumatology department no. 1 of the Institute of Emergency Medicine: extrafocal osteosynthesis with rodded apparatus and a variant of the development of a relatively new surgical techniques - Minimally Invasive Plate Osteosynthesis / MIPO (indirect reduction and minimally invasive osteosynthesis with plates) with the application of the general principle in the osteosynthesis of distal metaphyseal fractures of the tibia.

**Results.** The studied group showed no postoperative septic complications. Consolidation of the fragments (full support) on the affected limb was established in medium: over 5 months - after minimally invasive plate osteosynthesis according to MIPO principles, over 5.5 months - after extrafocal osteosynthesis with external rodded device. Assessment of treatment outcomes of patients with distal leg fractures was performed using the method Lyuboshits - Mattis - Schwartzberg 1985: from 3.5 to 4 points (good result). Good functional outcomes, over 1 year, at 20 patients examined according to the quality of life score SF36.

**Keywords:** surgical treatment, fractures of the lower extremity of the tibia

## OUR EXPERIENCE IN THE SURGICAL TREATMENT OF THE TIBIAL PILON FRACTURES



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