

Fractures of proximal humerus and humeral shaft are two clinical problems that have many differences and different treatment. The aim was to compare these differences in a retrospective epidemiological study. At the beginning is an overview of anatomy, classification and treatment of humerus fractures. The point of the study was the evidence of patients, who were treated in Orthopedic – traumatological clinic of FNKV. In years 2000-2008 there were 1891 patients treated for proximal humerus fracture and 223 patients treated for humeral shaft fracture. The result of the work is an overview of incidence, sex and average age of the monitored patients, Neer's and AO classification overview and comparison of surgical and conservative treatment and the progression in time.