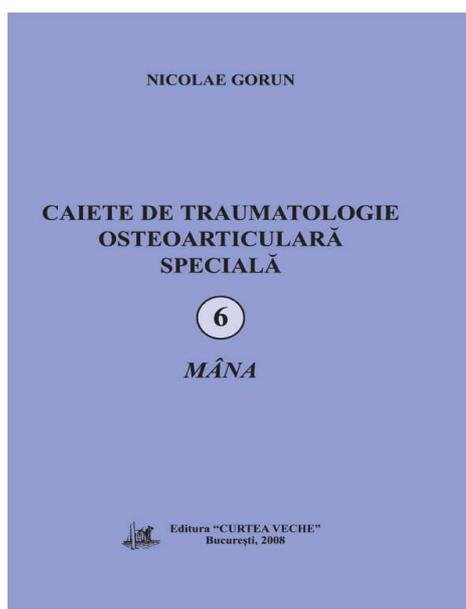


New medical books

„CAIETE DE TRAUMATOLOGIE OSTEOARTICULARĂ SPECIALĂ”

Author: NICOLAE GORUN

“Curtea Veche” Publishing House, Bucharest, 2008



Recently at Valcea's Medical Days, Nicolae Gorun, *PhD, MD*, member of the Academy of Romanian Scientists and the Academy of Medical Sciences in Romania, launched a valuable work, a piece from series of Special Osteoarticular Trauma Notebooks. It is the 6th volume intended to describe the osteoarticular diseases of the hand.

“CurteaVeche” in Bucharest publishes the book, which has a total of 832 pages, 744 figures, 73 tables and 1,000 references.

Designed after the Volumes of Orthopedic Surgery, the book provides to the reader not only clinical and surgical technique notions, but also anatomy and physiology data, as well as description of surgical paths. Personal experience, statistics and pictures show the value of this monography.

As the author says in the introduction, hand as a specific human organ is an interesting and complex anatomical composition having an important role in the material and spiritual work.

Data presented in *Chapter 1* are descriptive and topographic anatomy. Wrist bones, metacarpal bones, fingers, complex forearm joints, carpal bones, intercarpal and mediocarpal joints, as well as metacarpal-phalangeal and interphalangeal joints are described in detail. Intrinsic and extrinsic muscles of the hand are described. Action, origin, insertion and innervation are shown in a table and pictures, helping to understand the complexity of hand motion. Fibrous apparatus, fascia, hand lodges, the osteoarticular plan, innervation and blood supply are also described.

Chapter 2 covers the hand physiology. The three overlapping segments with their functional role and the two fixed and mobile components are specified. Hand's skeleton does two transversal bows, a proximal and a distal one, as well as five longitudinal bows. Hand movements are presented in detail. Intermetacarpal, metacarpophalangeal and interphalangeal joint movements are described accurately showing their amplitude and each muscle's role.

Chapter 3 covers clinical examination of the normal hand. There are excellent pictures showing intrinsic and extrinsic muscles' action. The thumb opposition assessment scale and the four gripping steps are shown in a special subsection. Another important subsection describes radiological examination.

The hand surgical paths are analyzed in *Chapter 4*. Injured hand examination for each segment is presented in *Chapter 5*. Traumatic hand injuries are described in *Chapter 6*. This chapter includes distal radial fractures, distal ulnar fractures and Pouteau-Colles fracture. The means of treatment are analyzed in detail for each fracture and for their complications also.

Several methods of achieving radiocarpal fusion are presented with suggestive drawings. There is a dedicated subsection for the treatment of distal radius fractures evoking the author's experience over a 42-years-period, 1081 patients including 11 with bilateral fractures.

Type of orthopedic and surgical treatment is considered, illustrated with clinic cases and radiographic images. Distal ulnar fractures, epiphyseal sliding of the forearm bones extremity, carpal bones fractures, metacarpal and phalangeal fractures are analyzed in the same chapter. Mechanism, classification, radiological examination, treatment, evolution and prognosis are described for each type of fracture. Eventually, the personal experience is presented. Dislocations are presented in the same way. Lunate bone dislocation has a special attention. There is a special subsection for hand sprains. Mechanism, clinical and radiological examination, treatment, evolution, prognosis and complications are described for each type of lesion. The author's personal experience is presented with the cases he dealt with at the emergency room.

For the first time in Romanian medical literature mediocarpal strains, carpal's palmar and ulnar instability and scapholunate strains are described. Also in hand injuries chapter wounds are discussed. Mechanism, classification, clinical examination, diagnosis, evolution, complications and treatment are presented.

At the end of the paper, traumatic amputation of fingers and hand, as well as finger stiffness are considered. The treatment is described, including capsulectomy with arthrolysis, arthroplasty and interphalangeal fusion. In conclusion, this monography is a very useful practice for specialists in the field.

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