IBRA International Bone Research Association

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Announcement

FESSH/IBRA Educational Afternoon

25 YEARS FESSH FESSH-ON(line)-WEEK SEPTEMBER 1–5 | 2020

CT Based Treatment Oriented Classification in Radius Fractures

Lecture and Cadaver Lab Demonstration

Thursday, September 3, 2020

Time: 15:45 – 17:00 CET (GMT +1)

Speaker:
Prim. Dr. Wolfgang Hintringer, Vienna, Austria
Prof. Dr. Hermann Krimmer, Ravensburg, Germany

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CT Based Treatment Oriented Classification in Radius Fractures

A wide range of different classifications exist for distal radius fractures (DRF). Most of them are based on plane X-rays and do not give us any information on how to treat these fractures. A biomechanical understanding of the mechanical forces underlying each fracture type is important to treat each injury specifically and ensure the optimal choice for stabilization. The main cause of DRFs are forces acting on the carpus and the radius as well as the position of the wrist in relation to the radius.

Reconstructing the mechanism of the injury gives insight into which structures are involved, such as ruptured ligaments, bone fragments as well as the dislocated osteo-ligamentous units.

This educational event attempts to show how to define certain key fragments, which seem crucial to reduce and stabilize each type of DRF. It is devided in a short theoratical explanation followed by an live lab demonstration on two pre-fractured specimens representing a dorsal key fragment and a palmar key fragment.

Fig. 1a

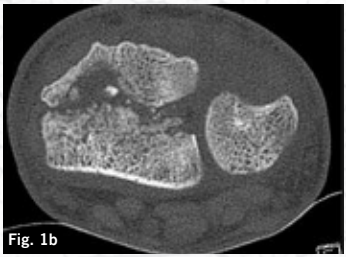
Fig. 1b

Fig. 1c

Fig. 2

Fig. 1a–1c: radius fracture with dorsal key fragment
Fig. 2: radius fracture with palmar key fragment