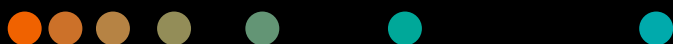


Study protocol

Distal radius fracture

Ortho/trauma surgery



Case description

Patient history

Male, age group: 13–18

Diagnosis

Displaced wrist with fracture of the distal radius and the distal ulna (AO 23C3). Insufficient reduction with fracture dislocation remaining after screw osteosynthesis of the distal radius (Figs. 1–2).

Surgical procedure

Insertion of K-wire. Removal of 3 screws and open reduction. Fracture temporarily fixed with 2 K-wires. Fixing of buttress plate. Check results (Figs. 3–8).

Conclusion

The styloid process of the distal radius was stabilized with a locking screw and a K-wire (Figs. 7–8).

Tips and tricks

Use a preshaped, angular stable plate placed on the radial column. Make sure the fixed buttress plate is attached to the bone with a screw. Check the results using the Cios Select mobile C-arm.

Courtesy of

BG Hospital Ludwigshafen,
Germany

System and software

Cios Select mobile C-arm

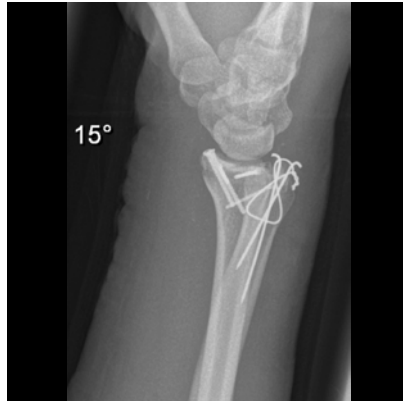
Clinical images

Figure 1



Preoperative X-ray

Figure 2



Preoperative X-ray

Figure 3



Removal of 3 screws and open reduction

Figure 4



Fracture temporarily fixed with 2 K-wires

Figure 5



Preshaped, angular stable plate placed on the radial column

Figure 6



Buttress plate fixed to the bone with a screw

Figure 7



The styloid process of the distal radius was stabilized with a locking screw and a K-wire. Anterior view

Figure 8



The styloid process of the distal radius was stabilized with a locking screw and a K-wire. Lateral view

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