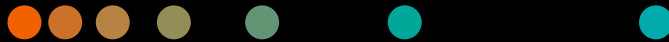


Study protocol

Calcaneus fracture

Ortho/trauma surgery



Case description

Patient history

Male, age 46-60 years.
Fall from a height of four meters.
Initial lower-leg cast immobilization ex domo. Pain and swelling in the calcaneal region. Reduced sensation of toe D1. No further deficits.

Diagnosis

Sanders type 2 multifragmentary fracture of the (Fig. 1)

Surgical procedure

ORIF – plate and screw fixation:
sinus tarsi approach and minimally invasive open reduction (Figs. 2-4)

Courtesy of

BG Trauma Center Ludwigshafen,
Germany

System

Cios Spin mobile C-arm

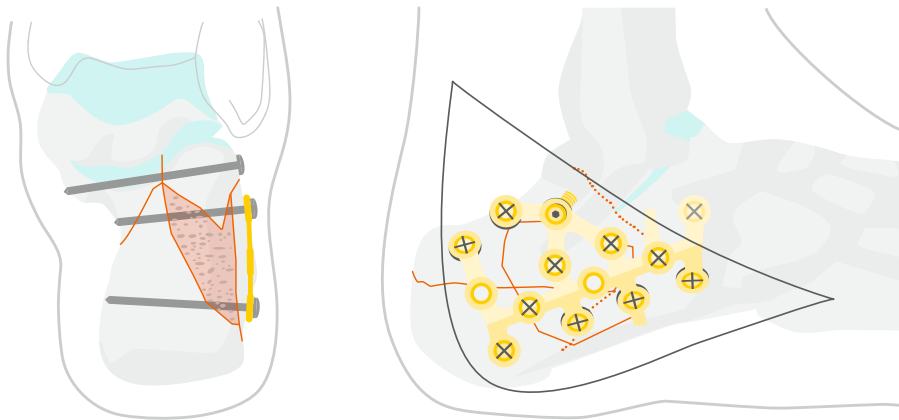
Clinical images and illustrations

Fig. 1



Preoperative CT: sagittal, coronal, and axial view of right calcaneus. Multifragmentary fracture the right calcaneus. Involvement of lower ankle joint. No impingement. Lateral debris zone

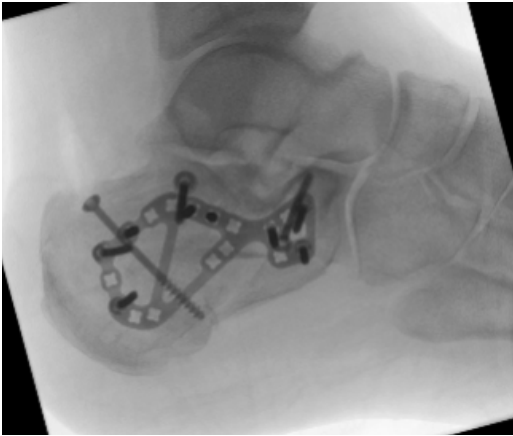
Fig. 2



ORIF – plate and screw fixation

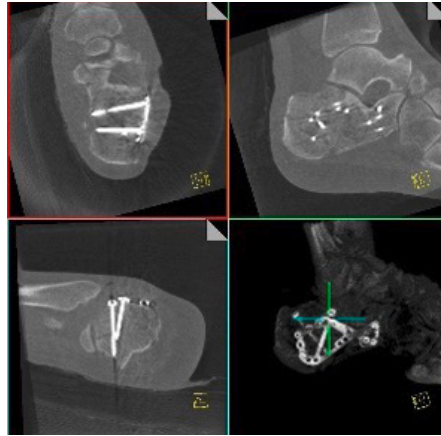
Clinical images

Fig. 3



Lateral view of right calcaneus: good field of view. Good contrast despite metal objects. Anatomical reduction

Fig. 4



3D scan of right calcaneus: good bony contrast. Minor metal artifacts thanks to the metal artifact reduction algorithm. Anatomical reduction. No intra-articular fragment or screw penetration

The information presented in the study protocol is for illustration only and is not intended to be relied upon by the reader for instruction as to the practice of medicine. Any healthcare practitioner reading this information is reminded that they must use their own learning, training, and expertise in dealing with their individual patients. This material does not substitute for that duty and is not intended by Siemens Healthineers to be used for any purpose in that regard.

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