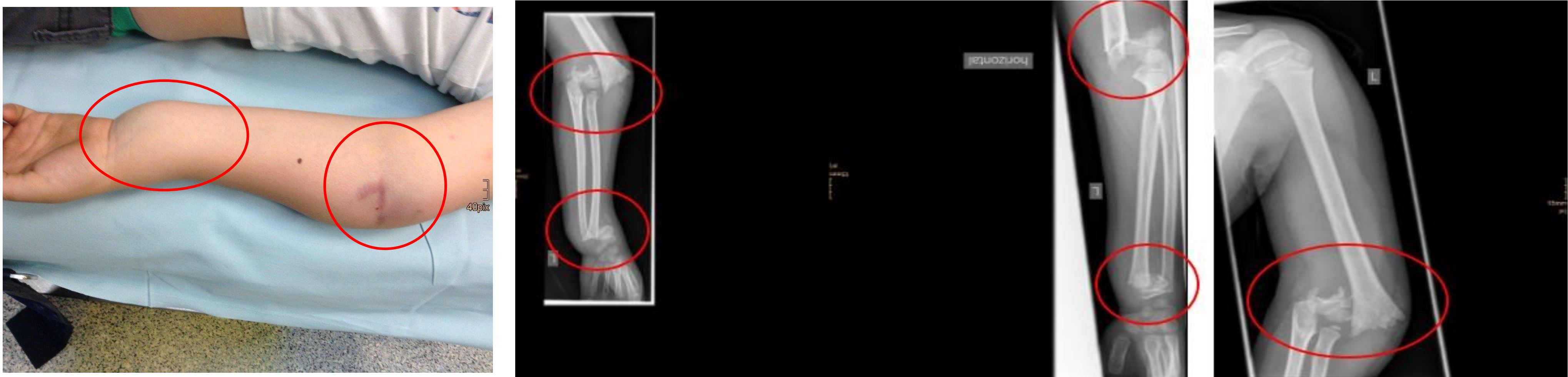


Management of multiple concomitant fractures of the same extremity

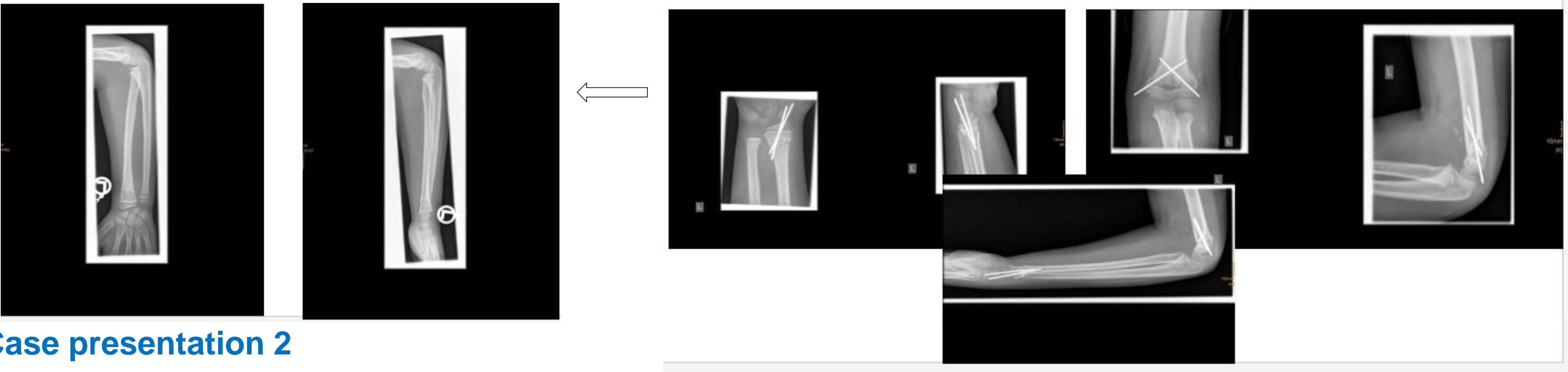
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2) Klinikum Klagenfurt am Wörthersee, Austria

Case presentation 1

8 years , male
Fall from 2 m height

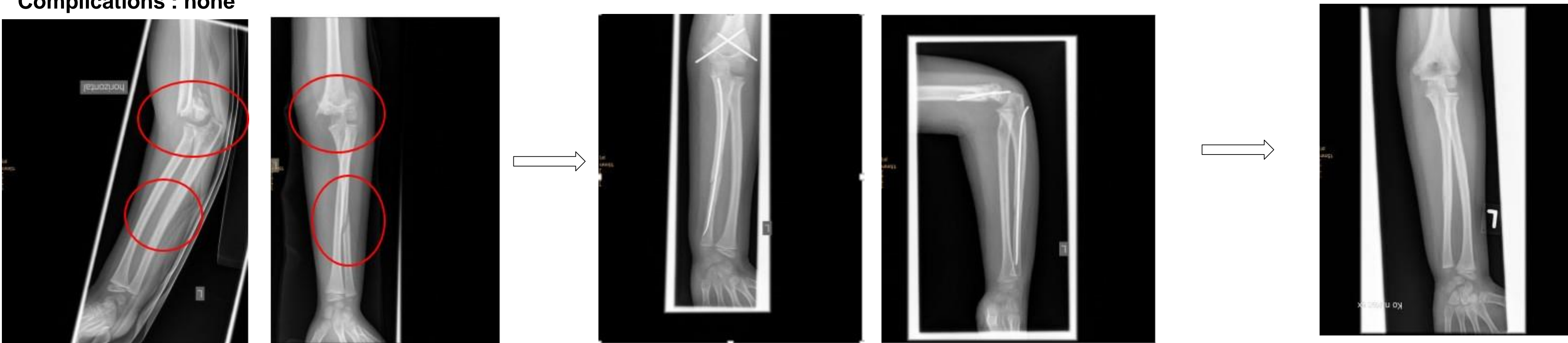


Displaced supracondylar humerus fracture, displaced distal metaphyseal radius fracture, undisplaced distal ulnar fracture
Closed reduction and osteosynthesis with Kirschner wires
Removal of the osteosynthesis material 6 weeks after the operation
Complications : medianus nerve palsy with spontaneous recovery



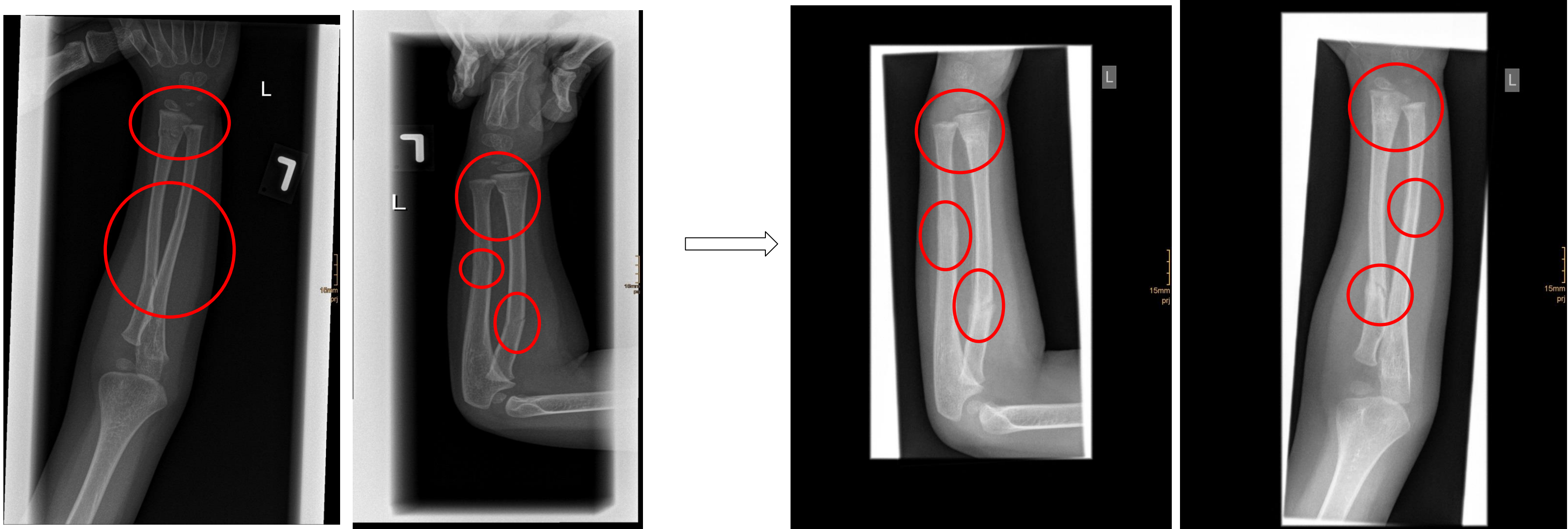
Case presentation 2

6 years , female
Fall from a tree , about 2 m height
Displaced supracondylar humerus fracture, minimally displaced diaphyseal ulnar fracture
Closed reduction and osteosynthesis of the supracondylar fracture with Kirschner wires and a Prevot elastic nail of the ulna fracture
Removal of the Kirschner wires 5 weeks postoperatively and of the Prevot elastic nail about 6 month postoperatively
Complications : none



Case presentation 3

2 years old, male
Fall from a horse
Conservative treatment – Cast
Complications : none



Conclusions:

Multiple fractures of the same extremity in children are rare
In the presence of adequate anamnesis a search for associated lesions is mandatory
Treatment of these fractures is conservative or most often operative

Multiple concomitant fractures of the same extremity

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Case presentation 4

9 years , male

Fall from 1,5 m height



Displaced diaphyseal ulnar fracture, displaced distal metaphyseal radial fracture, undisplaced distal metapyseal ulnar fracture
Closed reduction and osteosynthesis with Kirschner wires of radius and ESIN of ulna
Removal of the Kirschner wires 7 weeks after the operation and of the TEN at 6 month postoperatively
Complications : none

Case presentation 5

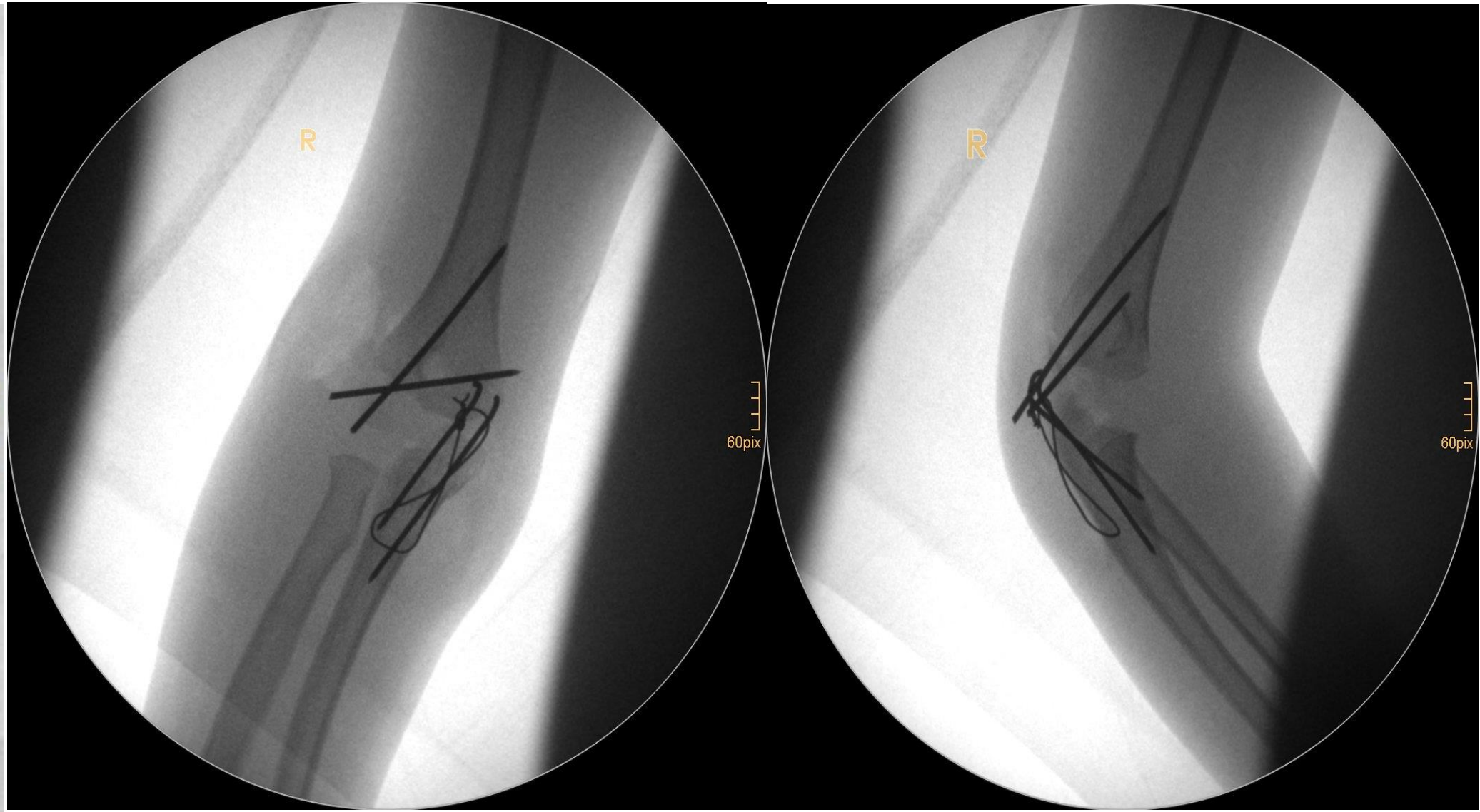
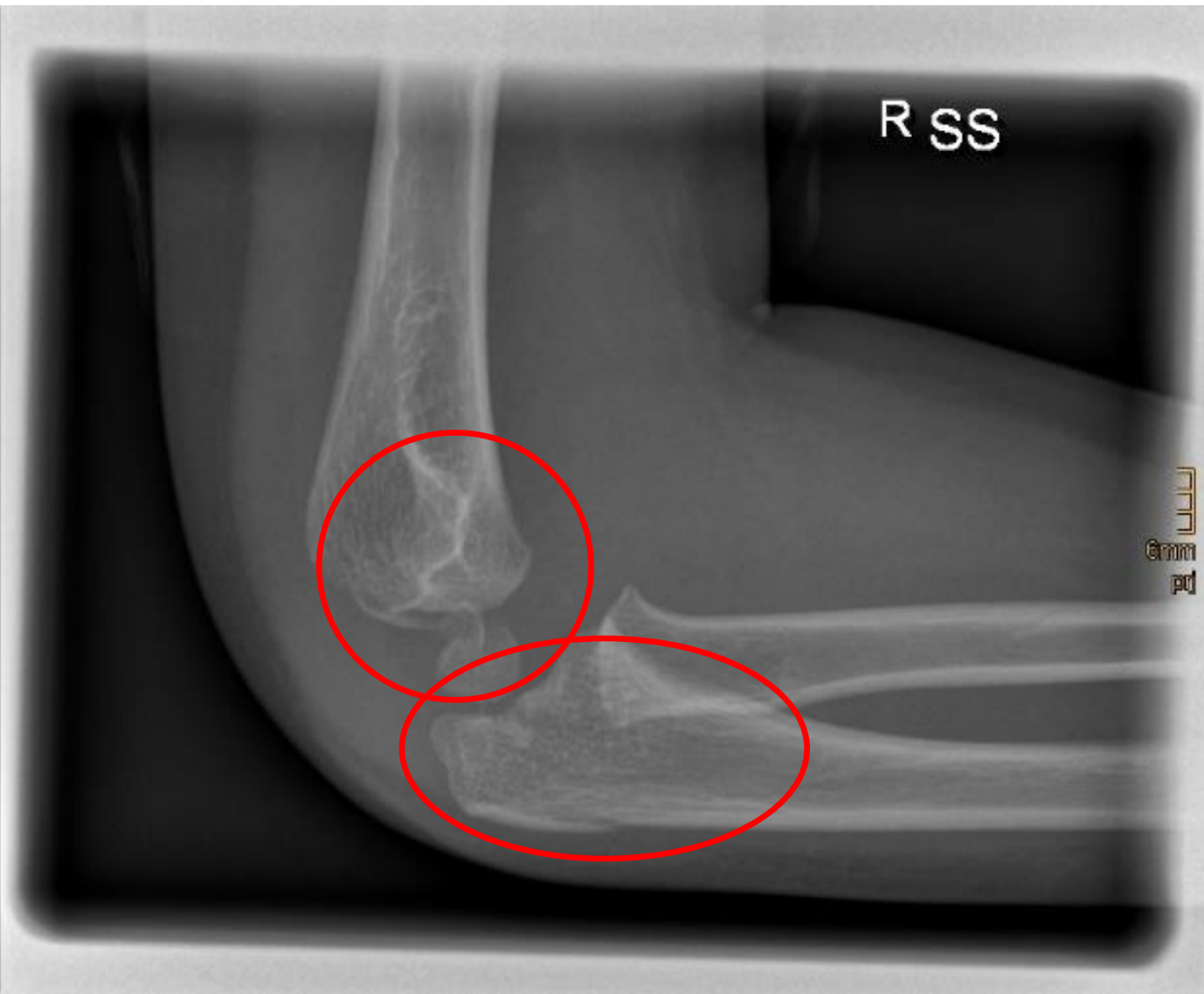
4 years , male

Fall from 1 m height

Displaced radial humeral condyle fracture, displaced olecranon fracture

Open reduction and osteosynthesis of the radial humeral condyle fracture with Kirschner wires and of the olecranon fracture with tension band wiring

Removal of the humerus Kirschner wires 3 month postoperatively and of the tension band wiring about 4 1/2 month postoperatively
Complications : progressive subluxation of the radial head, fishtail deformity of the distal humerus



Management of multiple concomitant fractures of the same extremity

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Case presentation 6

15 years old, male

Motorcycle accident

Multiple open fractures of hand , displaced open forearm fracture

Complications : Secondary displacement of radial fracture of about 15 degrees, rupture of extensor tendon of second finger



Conclusions:

Multiple fractures of the same extremity in children are rare and can pose problems of diagnosis and treatment

In the presence of adequate anamnesis a search for associated lesions is mandatory

The awareness of such an association for early recognition is paramount for excellent results

Treatment of these fractures is conservative or most often operative