

Date:

**Administrative data**

Were there any injuries in the past? Yes, No

If yes, What was it?

I. Physical examination of the injured limb(s)

I.1. Vascular

- O2 Saturation of the injured limb was measured: Yes, No

If yes: ..... (0-100)

- radial pulse was measured on the injured limb: Yes, No

If Yes,

- Palpable,
- Not palpable with definite micro circulation (pulseless pink hand) – PPH
  - US doppler
  - CT angio
  - no investigation
- Not palpable with poor micro circulation (capillary refill time) CRT<3 sec (pulseless white hand) – PWH
  - US doppler
  - CT angio
  - no investigation

I.2. Neural

- Examination of the hand: Yes, No

If yes,

- Can not be objectively evaluated due to pain
- Complete/Total function
- Radial nerve dysfunction
- Ulnar nerve dysfunction
- Median nerve dysfunction

- VAS score Yes/NO/ no data

**Investigation**

Control investigation: Yes/No/No data

1. X-ray examination AP, lateral
2. CT scan: yes, no

**Complication: Yes/No/No data**

Vascular Yes/No/No data

Neural Yes/No/No data

Osteogen Yes/No/No data

Yes: Rotation disorder Yes/No/No data

Redislocation Yes/No/No data

If Yes: Reoperation: Yes/No/No data

No reoperation:

- Removal of the external fixation Yes/No/No data

Reoperation:

**Preoperative data**

If yes: Surgery was done by: Senior specialist, junior, trainee

*junior: 10 years after the specialisation*

Elapsed time between admission to the hospital and beginning of operation (hours):

Praeoperative painkiller: Yes/ No/ No data

Name of medication:.....

active substance:.....

dose: .....

unit: g / mg / IU /ml

Method of administration: N/A / intravenous / oral / enteral / subcutan

Praeoperative AB: Yes/ No/ No data

Name of medication:.....

active substance:.....

dose: .....

unit: g / mg / IU /ml

Method of administration: N/A / intravenous / oral / enteral / subcutan

Praeoperative other therapy: Yes/ No/ No data

Name of medication:.....

active substance:.....

dose: .....

unit: g / mg / IU /ml

Method of administration: N/A / intravenous / oral / enteral / subcutan

### Operative data

Surgical positioning:

- Supine
- Prone

Type of fracture reduction:

- Closed
- Closed, then open due to signs of radial artery dysfunction
- Closed, then open due to other complications (f.e: difficulty of closed reduction)
- Closed with percutaneous tools for stabilisation (wire, pean, other instruments)
- Closed with joystick method (fixatore externe, wires)
- Primarily open, without trying closed reduction beforehand

Type of surgical approach:

- Ventral
- Radial
- Ulnar
- Multiple approach

Any injury detected during the operation:

- None
- Brachial artery compression

- Injury of the intima
- Thromboses
- Rupture

If yes, the treatment was (multiple choice):

- Release of the artery
- Arteriotomy
- Fogarthy catheter
- Direct suturing
- Intima suturing
- Venous patch plasty
- Venous transposition

Type of fixation:

- Radial fixation both wires
- Distal cross wiring
- Radial cross wiring
- Fixterure externe
- ESIN (TEN, SanatPIN, STEN, intramedullar fixation)
- Screw osteosynthesis
- Plate osteosynthesis

Number of nails used:

- 1,
- 2,
- 3,
- 4,
- 5,
- 6.
- others

Diameter of nails (mm):

- 1.2,
- 1,5
- 1,8
- 2,0
- 2.2
- 2,5

- others

Duration of operation (minutes):

Intraoperative therapy

Local anesthesia : Yes/NO/No data

Name of medication:.....

active substance:.....

dose: .....

unit: g / mg / IU /ml

Method of administration: N/A / intravenous / oral / enteral / subcutan

Intraoperative other therapy: Yes/NO/No data

Name of medication:.....

active substance:.....

dose: .....

unit: g / mg / IU /ml

Method of administration: N/A / intravenous / oral / enteral / subcutan

### Postoperative data

Post-operative stabilisation:

- No external fixation
- Dorsal 90° angle forearm plaster splint
- Dorsal 90° angle forearm plaster splint with 'U' shaped plaster splint
- Orthosis

Postoperative investigation

1. Postoperative X-ray examination AP, lateral

2. Postoperative CT scan: yes, no

### Postoperative drugs

Postoperative painkiller: Yes/ No/ No data

Name of medication:.....

active substance:.....

dose: .....

unit: g / mg / IU /ml

Method of administration: N/A / intravenous / oral / enteral / subcutan

Postoperative AB: Yes/ No/ No data

Name of medication:.....

active substance:.....

dose: .....

unit: g / mg / IU /ml

Method of administration: N/A / intravenous / oral / enteral / subcutan

Postoperative other therapy: Yes/ No/ No data

Name of medication:.....

active substance:.....

dose: .....

unit: g / mg / IU /ml

Method of administration: N/A / intravenous / oral / enteral / subcutan

Postoperative thrombosis profilaxis: Yes/ No/ No data

Name of medication:.....

active substance:.....

dose: .....

unit: g / mg / IU /ml

Method of administration: N/A / intravenous / oral / enteral / subcutan

### **Early (Intra, post. 24 h after op) complications**

There was complication Yes/No/No data

Vascular injury Yes/No/No data

If yes, was there an immediate (within 24 hours) procedure? Yes/No/No data

Signs of median nerve dysfunction: Yes/No/No data

Ulnar nerve dysfunction: Yes/No/No data

Radial nerve dysfunction: Yes/No/No data

Osteogen complication: Yes/No/No data

If yes, was there redo procedure? Yes/No/No data  
Compartment syndrome: Yes/No/No data  
Others

### Admission therapy

Painkiller: Yes, No, No data

Name of medication:.....

active substance:.....

dose: .....

unit: g / mg / IU /ml

Method of administration: N/A / intravenous / oral / enteral / subcutan

How many days:

Antibiotics: Yes, No, No data

Name of medication:.....

active substance:.....

dose: .....

unit: g / mg / IU /ml

Method of administration: N/A / intravenous / oral / enteral / subcutan

How many days:

Other therapy: Yes, No, No data

Name of medication:.....

active substance:.....

dose: .....

unit: g / mg / IU /ml

Method of administration: N/A / intravenous / oral / enteral / subcutan

How many days:

Thrombosis profilaxis: Yes, No, No data

Name of medication:.....

active substance:.....

dose: .....

unit: g / mg / IU /ml

Method of administration: N/A / intravenous / oral / enteral / subcutan

How many days:

Removal of the K-wire: Yes/No/No data

The date of the K-wire removal (week):

- 3 weeks
- 4 weeks
- 5 weeks
- 6 weeks
- 7 weeks

How was the K-wire remove: general anesthesia, local anesthesia