

WIRE Service Evaluation

Record ID

Demographics

Patient age

Sex

Female Male

Employment status

- Full-time employed
- Part-time employed
- Self-employed
- Unemployed
- Looking after home
- Full-time student
- Unpaid work
- Retired

Surgery

Date of surgery

Type of anaesthesia

- General Regional
 Local
(More than one option can be selected)

Grade of surgeon placing K-wires

- Foundation doctor
- Core trainee or equivalent
- Specialty trainee 3-5 or equivalent
- Speciality trainee 6-8+ or equivalent
- Consultant or Associate Specialist

Primary training background of surgeon placing K-wires

- Plastic surgery Orthopaedic surgery
 Other

Length of stay (hospital nights)

(Nights)

Injury number 1

Date of injury

Injury 1

- Extraarticular fracture - open
- Extraarticular fracture - closed
- Intraarticular fracture - open
- Intraarticular fracture - closed
- Dislocation / subluxation - open
- Dislocation / subluxation - closed

Injury 1 - ray Thumb Index Middle
 Ring Little

Injury 1 - bone Metacarpal Proximal phalanx
 Middle phalanx Distal phalanx

How many K-wires were used for injury 1? 1 2 3 4
 5+

Wire 1 - buried or exposed? Buried Exposed

Wire 2 - buried or exposed? Buried Exposed

Wire 3 - buried or exposed? Buried Exposed

Wire 4 - buried or exposed? Buried Exposed

If five or more wires were used to manage a single injury, please describe how the additional wires were used and whether they were buried or not.

Was there another injury treated with K wires? Yes No

Injury number 2

Injury 2 Extraarticular fracture - open
 Extraarticular fracture - closed
 Intraarticular fracture - open
 Intraarticular fracture - closed
 Dislocation / subluxation - open
 Dislocation / subluxation - closed

Injury 2 - ray Thumb Index Middle
 Ring Little

Injury 2 - bone Metacarpal Proximal phalanx
 Middle phalanx Distal phalanx

How many K-wires were used for injury 2? 1 2 3 4
 5+

Wire 1 - buried or exposed? Buried Exposed

Wire 2 - buried or exposed? Buried Exposed

Wire 3 - buried or exposed? Buried Exposed

Wire 4 - buried or exposed? Buried Exposed

If five or more wires were used to manage a single injury, please describe how the additional wires were used and whether they were buried or not.

Was there another injury treated with K wires? Yes No

Injury number 3

Injury 3

Extraarticular fracture - open
 Extraarticular fracture - closed
 Intraarticular fracture - open
 Intraarticular fracture - closed
 Dislocation / subluxation - open
 Dislocation / subluxation - closed

Injury 3 - ray

Thumb Index Middle
 Ring Little

Injury 3 - bone

Metacarpal Proximal phalanx
 Middle phalanx Distal phalanx

How many K-wires were used for injury 3?

1 2 3 4
 5+

Wire 1 - buried or exposed?

Buried Exposed

Wire 2 - buried or exposed?

Buried Exposed

Wire 3 - buried or exposed?

Buried Exposed

Wire 4 - buried or exposed?

Buried Exposed

If five or more wires were used to manage a single injury, please describe how the additional wires were used and whether they were buried or not.

Was there another injury treated with K wires?

Yes No

Injury number 4

Injury 4

Extraarticular fracture - open
 Extraarticular fracture - closed
 Intraarticular fracture - open
 Intraarticular fracture - closed
 Dislocation / subluxation - open
 Dislocation / subluxation - closed

Injury 4 - ray

Thumb Index Middle
 Ring Little

Injury 4 - bone

Metacarpal Proximal phalanx
 Middle phalanx Distal phalanx

How many K-wires were used for injury 4?

1 2 3 4
 5+

Wire 1 - buried or exposed?

Buried Exposed

Wire 2 - buried or exposed?

Buried Exposed

Wire 3 - buried or exposed?

Buried Exposed

Wire 4 - buried or exposed? Buried Exposed

If five or more wires were used to manage a single injury, please describe how the additional wires were used and whether they were buried or not.

Was there another injury treated with K wires? Yes No

Injury number 5

Injury 5 Extraarticular fracture - open
 Extraarticular fracture - closed
 Intraarticular fracture - open
 Intraarticular fracture - closed
 Dislocation / subluxation - open
 Dislocation / subluxation - closed

Injury 5 - ray Thumb Index Middle
 Ring Little

Injury 5 - bone Metacarpal Proximal phalanx
 Middle phalanx Distal phalanx

How many K-wires were used for injury 5? 1 2 3 4
 5+

Wire 1 - buried or exposed? Buried Exposed

Wire 2 - buried or exposed? Buried Exposed

Wire 3 - buried or exposed? Buried Exposed

Wire 4 - buried or exposed? Buried Exposed

If five or more wires were used to manage a single injury, please describe how the additional wires were used and whether they were buried or not.

Was there another injury treated with K wires? Yes No

Please provide freetext details of injury 6 and additional injuries treated with K wires

Antibiotics

Pre-operative antibiotics Yes No

Induction antibiotics Yes No

Post-operative antibiotics Yes No

Length of post-operative antibiotics (days)

 (Days)

Post-operative care plan from operation note

Follow-up appointments

- Dressing clinic
 Hand therapy
 Outpatient appointment
 General practice
 Other

Dressing clinic in...

(Days)

Hand therapy in...

(Days)

Outpatient appointment in...

(Days)

GP appointment in...

(Days)

Other follow up appointment

(Days)

Planned earliest K wire removal (weeks)

- 1 2 3 4
 5 6+

Planned follow up - total number of visits up to and including K wire removal

	0	1	2	3	4	5	6+
Dressing clinic appointment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hand therapy appointment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Outpatient appointment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
General practice appointment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Operation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Unplanned follow up - total number of visits between first operation and removal of K wire(s)

	0	1	2	3	4	5	6+
Dressing clinic appointment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Hand therapy appointment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Outpatient appointment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
General practice appointment	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Urgent care or minor injuries attendance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Emergency department attendance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Operation	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Other	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Removal of K-wire(s)

Formal radiograph between operation and wire removal? Yes No

Date of wire removal _____

Number of cancellations of wire removal on the day of removal _____

Location of wire removal

- Hand therapy room
 Main theatre
 Minor procedures theatre
 Outpatient clinic room
 Outpatient procedure room
 Plaster room
 Other

Other location of wire removal _____

Wire removal - analgesia or anaesthesia?

- General
 Local
 Nitrous oxide
 Oral analgesia
 Regional
 Sedation
 None

Image intensifier used to guide wire removal? Yes No

Formal radiograph taken after wire removal? Yes No

Complications

Complication(s) - wires in-situ

- Pin-site infection
- Cellulitis
- Osteomyelitis
- Pain
- Wire movement
- Wire extrusion
- Broken wire
- Need for revision of fracture fixation
- Other
- None

Complication(s) - wires in-situ

(Up to 3 months follow-up)

Complication(s) - at time of wire removal

- Failure to remove
- Broken wire
- Fracture
- Vasovagal / faint
- Change of removal plan (i.e. clinic switched to theatre)
- Need for revision of fracture fixation
- Other
- None

Complication(s) - following wire removal

Complication(s) - following wire removal (up to 30 days)

- Pin-site infection
- Cellulitis
- Osteomyelitis
- Pain
- Wire movement
- Wire extrusion
- Broken wire
- Need for revision of fracture fixation
- Other
- None

Complication(s) - following wire removal

Discharge

Date of discharge from surgical team

(Regardless of ongoing hand therapy appointments)

Date of discharge from hand therapy

(Enter 01/01/2001 if no therapy provided or unknown)

Total no. of hand therapy appointments (up to 3 months)

Total no. of NHS appointments during care (up to 3 months)

(This includes all emergency appointments, outpatient appointments and theatre attendances up to 3 months follow-up)

Outcome measure recorded?

- Disabilities of the Arm, Shoulder and Hand (DASH)
- Quick DASH (qDASH)
- Michigan Hand Questionnaire (MHQ)
- Patient Evaluation Measure (PEM)
- Upper Extremity Functional Index (UEFI)
- Duruoz hand index (DHI)
- Total active movement (TAM)
- Grip or pinch strength
- None