

# Data Gathering Instrument

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Record ID

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**Inclusion criteria:**

Patients with open lower limb fractures treated on or after the 1st of January 2020 until the 31st May 2020, in the context of the COVID pandemic

**Exclusion criteria:**

Patients that were initially treated in participating centre, but definitive treatment happened somewhere else

Note: For the "Record ID" entry, please enter your local patient study number. Avoid using patient name or any other patient identifiable information

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Date of birth

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Gender

- Male  
 Female
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Where did the patient first present?

- At participating hospital  
 Referred from a different hospital in same country  
 Referred from a hospital in a different country
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Date/time of injury

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Mechanism

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Anatomical location of open fracture(s)

- Femur  
 Tibia/Fibula  
 Foot skeleton
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Gustillo Classification

- I  
 II  
 III A  
 III B  
 III C
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Co-morbidities

- None  
 Hypertension  
 Diabetes mellitus  
 Ischaemic heart disease  
 Chronic obstructive pulmonary disease  
 Asthma  
 Peripheral vascular disease  
 Cerebrovascular disease
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Other co-morbidities

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Smoking status

- Yes  
 No  
 Unknown
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Date/time first dose antibiotics

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Date/time first debridement surgery

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Specialties of surgeon(s) leading debridement

- Orthopaedic surgeon  
 General surgeon  
 Plastic surgeon  
 Non-specialist medical doctor  
 Other

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Seniority of surgeon(s) leading debridement surgery

- Resident / Registrar  
 Fellow  
 Attending / Consultant

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Soft tissue reconstruction required?

- Yes  
 No

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Date definitive soft tissue cover

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Method of soft tissue reconstruction used

- Conventional dressings  
 Topical negative pressure dressings  
 Skin graft  
 Local flap (random pattern)  
 Regional flap (perforator or axial pattern)  
 Cross-leg flap  
 Free flap

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Flap choice

- Propeller flap  
 Sural nerve flap  
 Gastrocnemius flap  
 Peroneus brevis flap  
 Medial plantar flap  
 Free ALT flap  
 Free MSAP flap  
 Free radial forearm flap  
 Free SCIP flap  
 Free gracilis flap  
 Free latissimus dorsi flap  
 Free rectus abdominis flap  
 Free scapular/parascapular flap  
 Free lateral arm flap  
 Other regional muscle flap  
 Other regional fasciocutaneous flap  
 Other fasciocutaneous free flap  
 Other muscle/musculocutaneous free flap

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Flap salvage required?

- No  
 Yes. Due to arterial insufficiency  
 Yes. Due to venous congestion  
 Yes. Due to haematoma  
 Yes. Due to a different reason  
 Yes. Due to an unknown/unclear reason

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Flap reconstruction outcome

- Total flap survival  
 Partial flap failure  
 Total flap failure

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Date of definitive skeletal immobilisation/fixation

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Modality of definitive skeletal immobilisation/fixation

- Casting
  - External fixation with rods and pins
  - External fixation with frame
  - Plates and screws
  - Intramedullary nail
  - Kirschner wires
  - Other
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Complications during hospital stay:

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Unexpected return to theatre in first 30 days

- Yes
  - No
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Reason for unexpected return to theatre

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Was amputation required?

- Not required
  - Immediate amputation (within 24 hours of injury)
  - Early amputation (between 24 hours and 3 months post-injury)
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Was patient COVID-positive upon admission?

- Yes
  - No
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Did the patient become COVID-positive during hospital stay?

- Yes
  - No
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Was patient symptomatic for COVID?

- Yes
  - No
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Date for positive COVID test

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Which diagnostic modalities for COVID were used for this patient?

- PCR
  - CT-scan
  - Antibodies test (quick test)
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Did usual management of this kind of injury changed due to COVID pandemic?

- Yes
  - No
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How?

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Date hospital discharge

(This is the date when the patient was first discharged after definitive fixation and soft tissue cover were achieved. Avoid putting the date of subsequent hospitalisations, readmissions or when patient was discharged from further treatment. )

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Follow up arrangements made for this patient

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