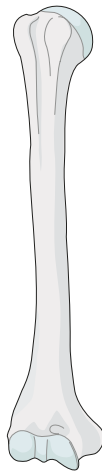


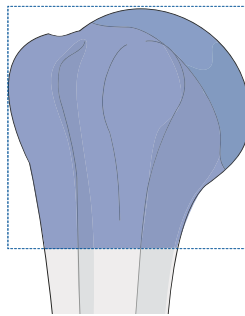
Humerus

Bone: Humerus 1



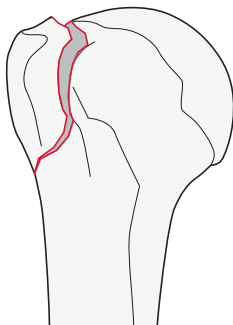
11

Location: Humerus, proximal end segment 11

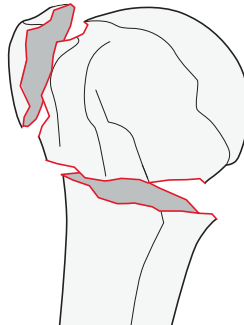


Types:

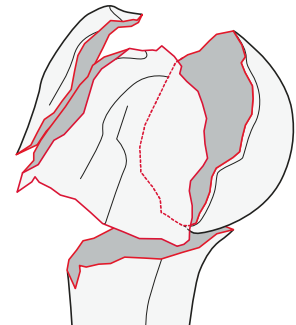
Humerus, proximal end segment,
extraarticular, unifocal, 2-part fracture
11A



Humerus, proximal end segment,
extraarticular, bifocal, 3-part fracture
11B



Humerus, proximal end segment,
articular or 4-part fracture
11C



Qualifications are optional and applied to the fracture code where the asterisk is located as a lower-case letter within rounded brackets. More than one qualification can be applied for a given fracture classification, separated by a comma. For a more detailed explanation, see the compendium introduction.

11A

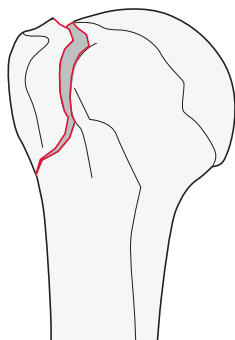
Type: Humerus, proximal end segment, **extraarticular, unifocal, 2-part fracture** 11A

Group: Humerus, proximal end segment, extraarticular, unifocal, 2-part, **tuberosity fracture** 11A1

Subgroups:

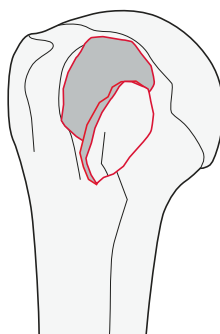
Greater tuberosity fracture

11A1.1



Lesser tuberosity fracture

11A1.2

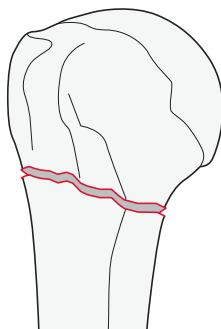


Group: Humerus, proximal end segment, extraarticular, unifocal, 2-part, **surgical neck fracture** 11A2

Subgroups:

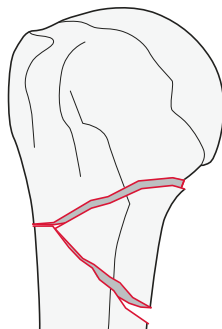
Simple fracture

11A2.1



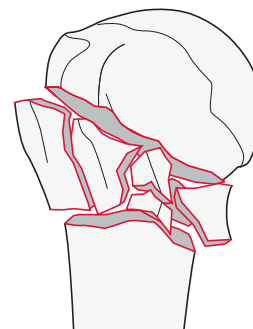
Wedge fracture

11A2.2

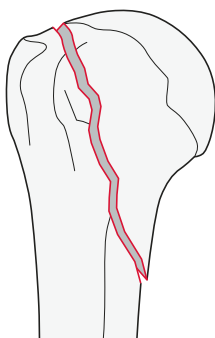


Multifragmentary fracture

11A2.3



Group: Humerus, proximal end segment, unifocal, 2-part, **extraarticular vertical fracture** 11A3



11B

Type: Humerus, proximal end segment, **extraarticular, bifocal, 3-part fracture** 11B

Group: Humerus, proximal end segment, extraarticular, bifocal, 3-part, **surgical neck fracture** 11B1

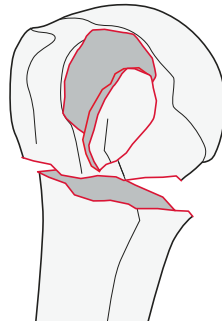
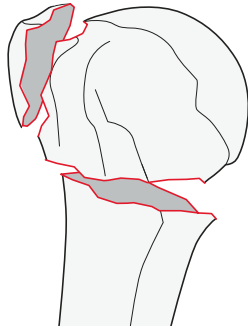
Subgroups:

With greater tuberosity fracture

11B1.1*

With lesser tuberosity fracture

11B1.2*



*Qualifications:
u Intact wedge
v Fragmentary wedge

11C

Type: Humerus, proximal end segment, **articular or 4-part fracture** 11C

Group: Humerus, proximal end segment, articular or 4-part, **anatomical neck fracture** 11C1

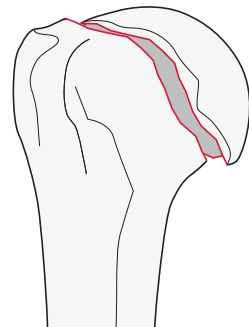
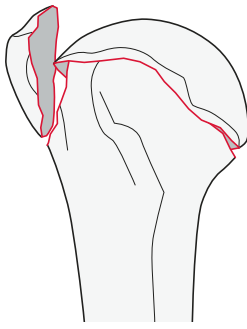
Subgroups:

Valgus impacted fracture

11C1.1*

Isolated anatomical neck fracture

11C1.3



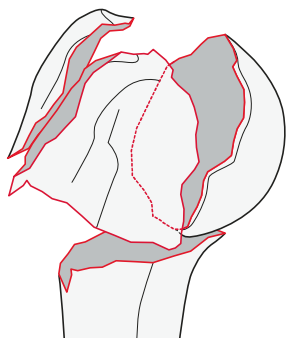
*Qualifications:
n **Greater tuberosity**
o Lesser tuberosity
p Both tuberosities

Group: Humerus, proximal end segment, articular or 4-part, **anatomical neck fracture associated with metaphyseal fracture** 11C3

Subgroups:

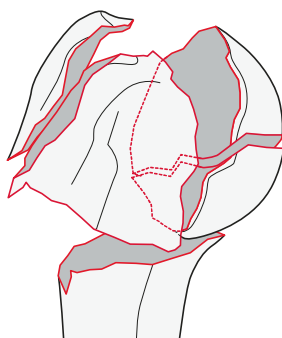
With a multifragmentary metaphyseal segment with intact articular surface

11C3.1



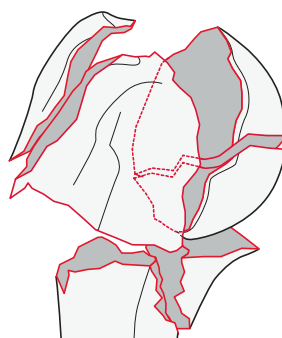
With a multifragmentary metaphyseal segment with articular fracture

11C3.2*



With a multifragmentary metaphyseal fracture, with diaphyseal extension and articular fracture

11C3.3*



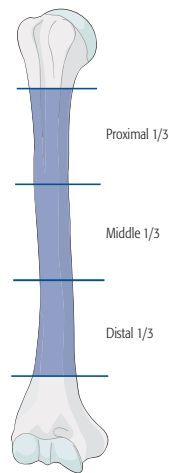
*Qualifications:

x **Simple articular**

y Multifragmentary articular

12

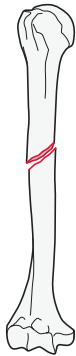
Location: Humerus, **diaphyseal segment** 12



Types:

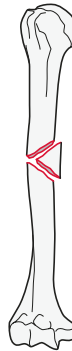
Humerus, diaphyseal segment, **simple fracture**

12A



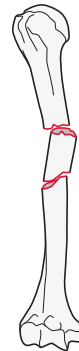
Humerus, diaphyseal segment, **wedge fracture**

12B



Humerus, diaphyseal segment, **multifragmentary fracture**

12C



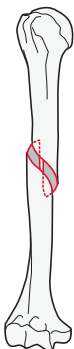
12A

Type: Humerus, diaphyseal segment, **simple fracture** 12A

Groups:

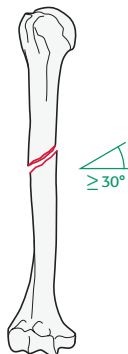
Humerus, diaphyseal segment, simple, **spiral fracture**

12A1*



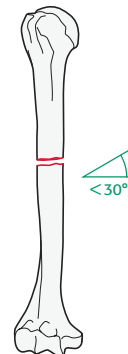
Humerus, diaphyseal segment, simple, **oblique fracture ($\geq 30^\circ$)**

12A2*



Humerus, diaphyseal segment, simple, **transverse fracture ($< 30^\circ$)**

12A3*



*Qualifications:

- a Proximal 1/3
- b **Middle 1/3**
- c Distal 1/3

12B

Type: Humerus, diaphyseal segment, **wedge fracture** 12B

Groups:

Humerus, diaphyseal segment,
intact wedge fracture
12B2*



Humerus, diaphyseal segment,
fragmentary wedge fracture
12B3*



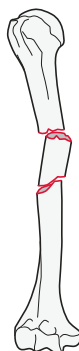
*Qualifications:
a Proximal 1/3
b **Middle 1/3**
c Distal 1/3

12C

Type: Humerus, diaphyseal segment, **multifragmentary fracture** 12C

Groups:

Humerus, diaphyseal segment, multifragmentary,
intact segmental fracture
12C2*



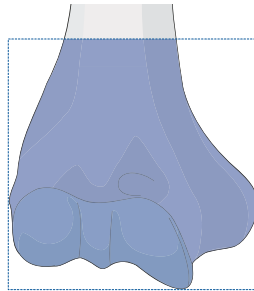
Humerus, diaphyseal segment, multifragmentary,
fragmentary segmental fracture
12C3*



*Qualifications:
i Proximal diaphyseal-metaphyseal
j **Pure diaphyseal**
k Distal diaphyseal-metaphyseal

13

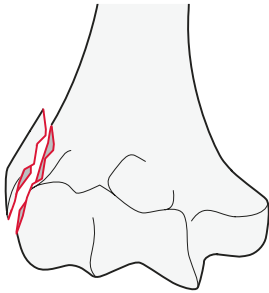
Location: Humerus, **distal end segment** 13



Types:

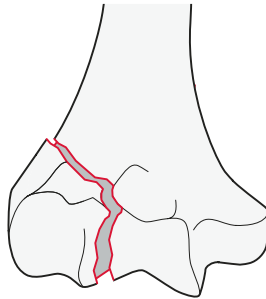
Humerus, distal end segment,
extraarticular fracture

13A



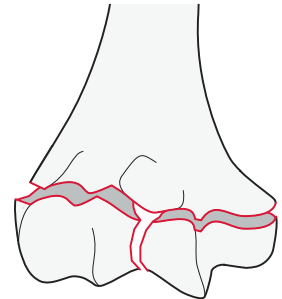
Humerus, distal end segment,
partial articular fracture

13B



Humerus, distal end segment,
complete articular fracture

13C



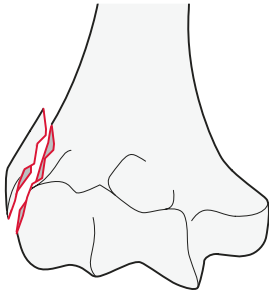
13A

Type: Humerus, distal end segment, **extraarticular fracture** 13A

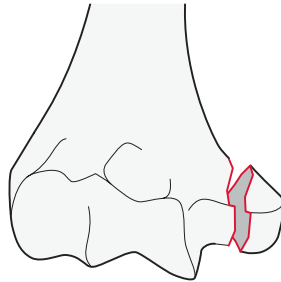
Group: Humerus, distal end segment, extraarticular, **avulsion fracture** 13A1

Subgroups:

Lateral epicondyle fracture
13A1.1

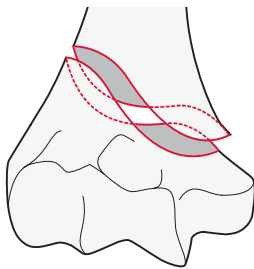


Medial epicondyle fracture
13A1.2

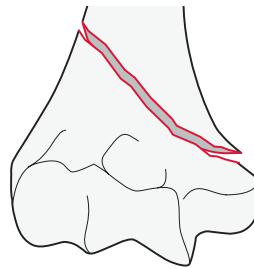


Group: Humerus, distal end segment, extraarticular, **simple fracture** 13A2

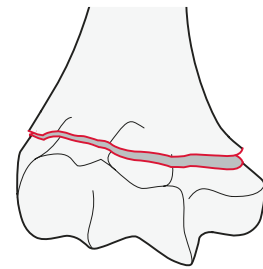
Subgroups:
Spiral fracture
13A2.1



Oblique fracture
13A2.2

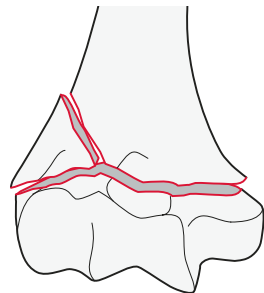


Transverse fracture
13A2.3

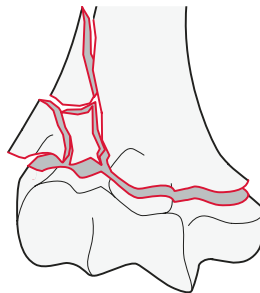


Group: Humerus, distal end segment, extraarticular, **wedge or multifragmentary fracture** 13A3

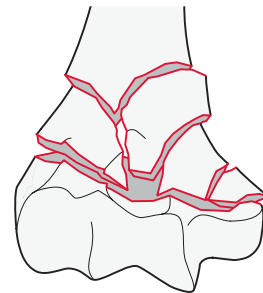
Subgroups:
Intact wedge fracture
13A3.1*



Fragmentary wedge fracture
13A3.2*



Multifragmentary fracture
13A3.3



*Qualifications:
f **Lateral**
h **Medial**

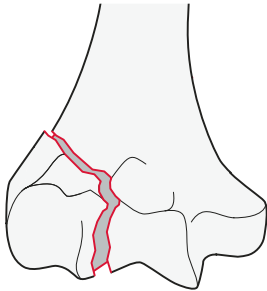
13B

Type: Humerus, distal end segment, **partial articular fracture** 13B

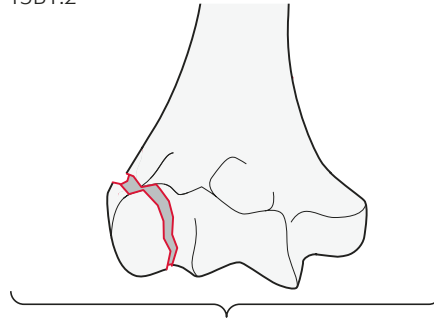
Group: Humerus, distal end segment, partial articular, **lateral sagittal fracture** 13B1

Subgroups:

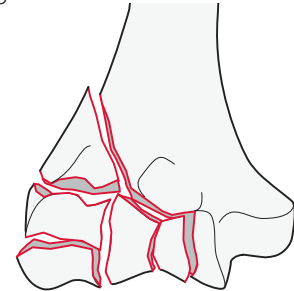
Simple transtrochlear fracture
13B1.1



Capitellum fracture
13B1.2*



Fragmentary transtrochlear fracture
13B1.3



*Qualifications:

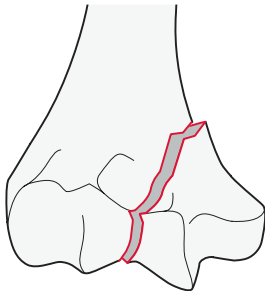
q **Transcapitellar**

r Between capitellum and trochlea

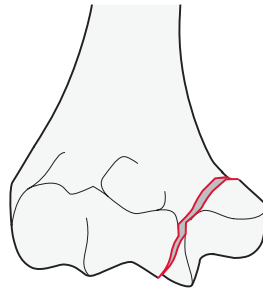
Group: Humerus, distal end segment, partial articular, **medial sagittal fracture** 13B2

Subgroups:

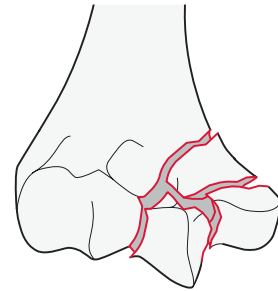
Simple transtrochlear fracture through the trochlear groove
13B2.1



Simple transtrochlear fracture through the medial articular surface
13B2.2



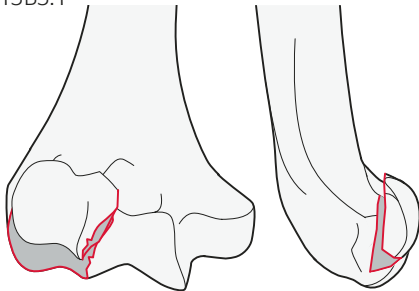
Fragmentary transtrochlear fracture
13B2.3



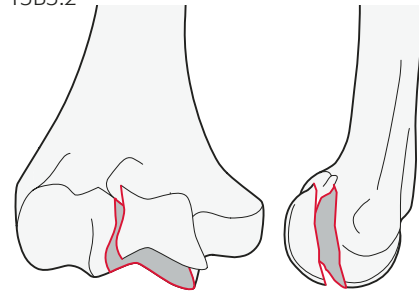
Group: Humerus, distal end segment, partial articular, **frontal/coronal plane fracture** 13B3

Subgroups:

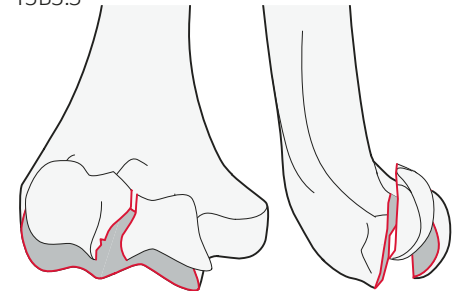
Capitellum fracture
13B3.1



Trochlea fracture
13B3.2



Capitellum and trochlea fracture
13B3.3



13C

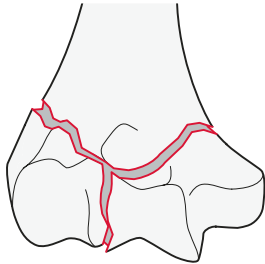
Type: Humerus, distal end segment, **complete articular fracture** 13C

Group: Humerus, distal end segment, complete, **simple articular, simple metaphyseal fracture** 13C1

Subgroups:

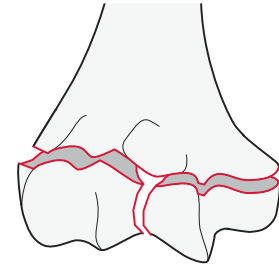
Above the transcondylar axis

13C1.1



Through or below the transcondylar axis

13C1.3

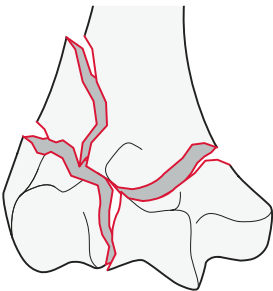


Group: Humerus, distal end segment, complete, **simple articular, wedge or multifragmentary metaphyseal fracture** 13C2

Subgroups:

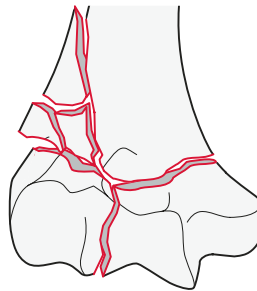
Intact wedge fracture

13C2.1*



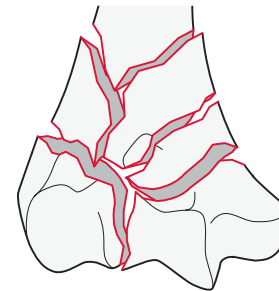
Fragmentary wedge fracture

13C2.2*



Multifragmentary fracture

13C2.3



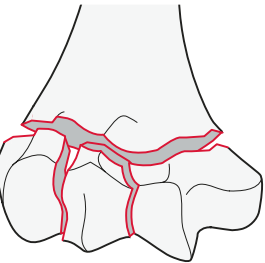
*Qualifications:
f **Lateral**
h Medial
u **Intact wedge**

Group: Humerus, distal end segment, complete, **multifragmentary articular fracture, wedge or multifragmentary metaphyseal fracture** 13C3

Subgroups:

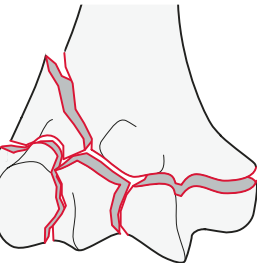
Simple metaphyseal fracture

13C3.1*



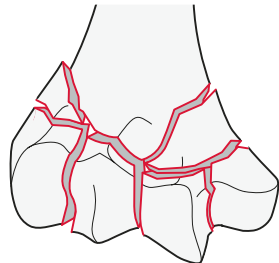
Wedge metaphyseal fracture

13C3.2*



Multifragmentary metaphyseal fracture

13C3.3



*Qualifications:
s **Proximal to transcondylar axis**
t Distal to transcondylar axis

*Qualifications:
f **Lateral** l Fragmentary
h Medial u **Intact wedge**

Qualifications are optional and applied to the fracture code where the asterisk is located as a lower-case letter within rounded brackets. More than one qualification can be applied for a given fracture classification, separated by a comma. For a more detailed explanation, see the compendium introduction.