

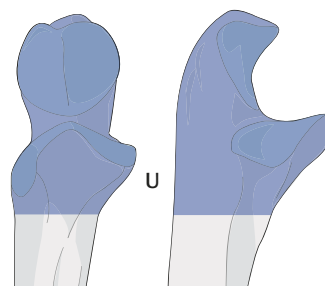
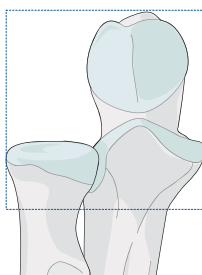
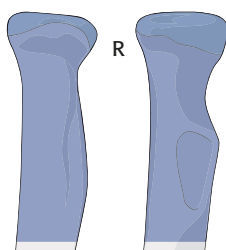
Radius and Ulna

Bone: Radius 2R/Ulna 2U



2R1/2U1

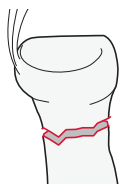
Location: Radius or Ulna, **proximal end segment** 2R1/2U1



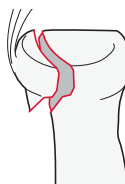
→ To facilitate the coding of radius and ulna fractures, they are now coded independently.
→ The end segment location of either bone is determined by using the two bones as a unit.

Types:

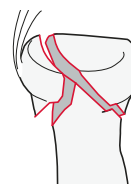
Radius, proximal end segment,
extraarticular fracture
2R1A



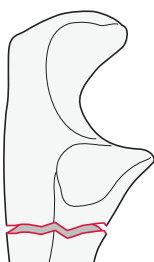
Radius, proximal end segment,
partial articular fracture
2R1B



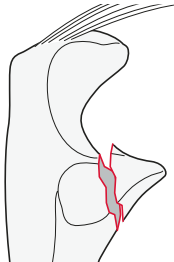
Radius, proximal end segment,
complete articular fracture
2R1C



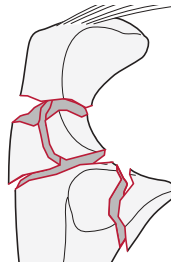
Ulna, proximal end segment,
extraarticular fracture
2U1A



Ulna, proximal end segment,
partial articular fracture
2U1B



Ulna, proximal end segment,
complete articular fracture
2U1C



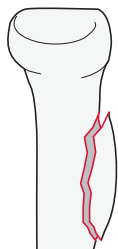
Qualifications are optional and applied to the fracture code where the asterisk is located as a lower-case letter within rounded brackets. More than one qualification can be applied for a given fracture classification, separated by a comma. For a more detailed explanation, see the compendium introduction.

2R1A/2U1A

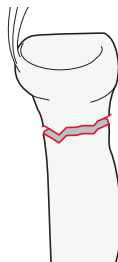
Type: Radius, proximal end segment, **extraarticular fracture** 2R1A

Groups:

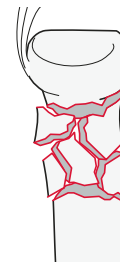
Radius, proximal end segment, extraarticular, **avulsion of bicipital tuberosity**
2R1A1



Radius, proximal end segment, extraarticular, **neck, simple**
2R1A2



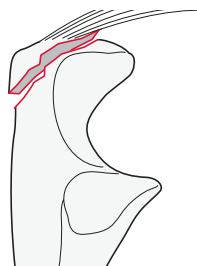
Radius, proximal end segment, extraarticular, **neck, multifragmentary**
2R1A3



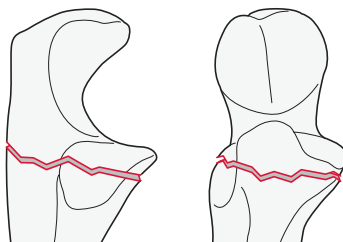
Type: Ulna, proximal end segment, **extraarticular fracture** 2U1A

Groups:

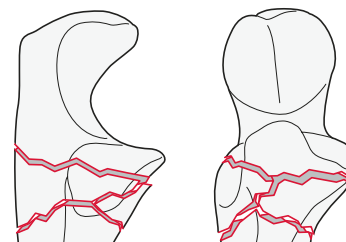
Ulna, proximal end segment, extraarticular, **avulsion of triceps insertion**
2U1A1



Ulna, proximal end segment, extraarticular, **metaphyseal simple fracture**
2U1A2



Ulna, proximal end segment, extraarticular, **metaphyseal multifragmentary fracture**
2U1A3

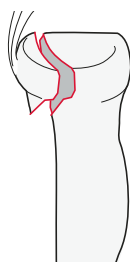


2R1B/2U1B

Type: Radius, proximal end segment articular, **partial articular fracture** 2R1B

Groups:

Radius, proximal end segment articular, partial articular, **simple fracture**
2R1B1



Radius, proximal end segment articular, partial articular, **fragmentary fracture**
2R1B3

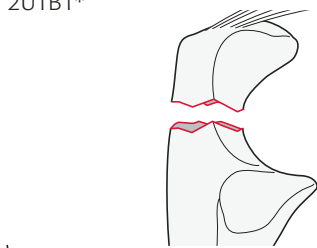


Type: Ulna, proximal end segment, **partial articular fracture** 2U1B

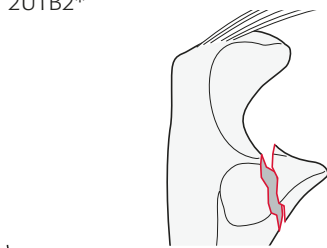
Groups:

Ulna, proximal end segment, partial articular,
olecranon fracture
2U1B1*

Ulna, proximal end segment, partial articular,
coronoid fracture
2U1B2*



*Qualifications:
d **Simple**
e Multifragmentary



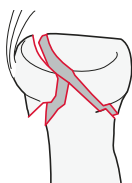
*Qualifications:
n Involving sublime facet
o Tip (avulsion)
p **<50%**
q **≥50%**

2R1C/2U1C

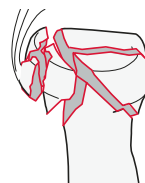
Type: Radius, proximal end segment articular, **complete articular fracture** 2R1C*

Groups:

Radius, proximal end segment articular,
complete articular, **simple fracture**
2R1C1



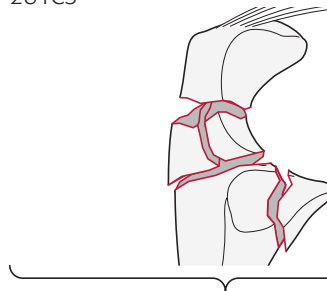
Radius, proximal end segment articular,
complete articular, **multifragmentary fracture**
2R1C3



Type: Ulna, proximal end segment, **complete articular fracture** 2U1C

Groups:

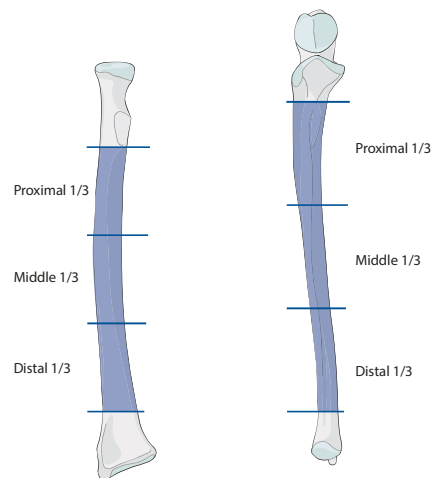
Ulna, proximal end segment, complete articular,
olecranon and coronoid fracture
2U1C3*



*Qualifications:
d Simple
r Multifragmentary olecranon
s **Multifragmentary involving coronoid process**

2R2/2U2

Location: Radius or ulna,
diaphyseal segment 2R2/2U2

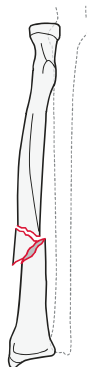


Types:

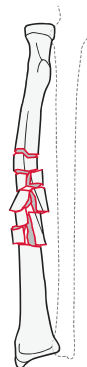
Radius, diaphyseal segment,
simple fracture
2R2A



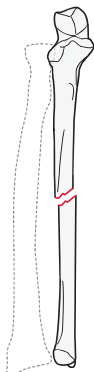
Radius, diaphyseal segment,
wedge fracture
2R2B



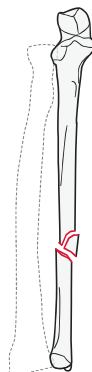
Radius, diaphyseal segment,
multifragmentary fracture
2R2C



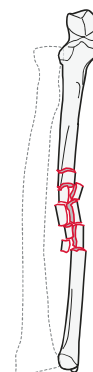
Ulna, diaphyseal segment,
simple fracture
2U2A

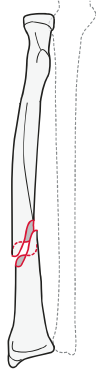
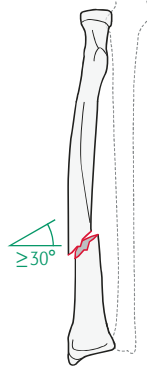
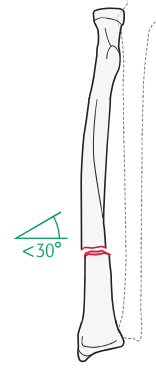
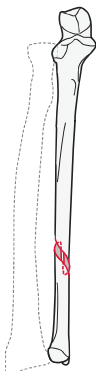
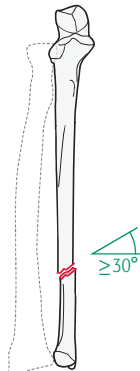
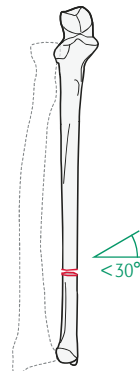


Ulna, diaphyseal segment,
wedge fracture
2U2B



Ulna, diaphyseal segment,
multifragmentary fracture
2U2C



2R2A/2U2A**Type:** Radius or ulna, diaphyseal segment, **simple fracture** 2R2A/2U2A**Groups:**Radius, diaphyseal segment, simple, **spiral fracture**
2R2A1*Radius, diaphyseal segment, simple, **oblique fracture ($\geq 30^\circ$)**
2R2A2*Radius, diaphyseal segment, simple, **transverse fracture ($< 30^\circ$)**
2R2A3*Ulna, diaphyseal segment, simple, **spiral fracture**
2U2A1*Ulna, diaphyseal segment, simple, **oblique fracture ($\geq 30^\circ$)**
2U2A2*Ulna, diaphyseal segment, simple, **transverse fracture ($< 30^\circ$)**
2U2A3*

*Qualifications for radius and ulna:

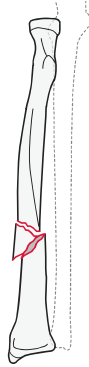
- a Proximal 1/3
- b Middle 1/3
- c **Distal 1/3**

2R2B/ 2U2B

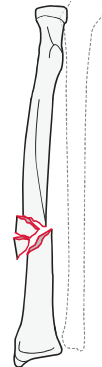
Type: Radius or ulna, diaphyseal segment, **wedge fracture** 2R2B/2U2B

Groups:

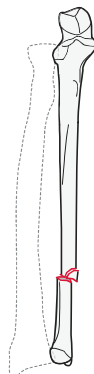
Radius, diaphyseal segment,
intact wedge fracture
2R2B2*



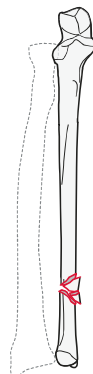
Radius, diaphyseal segment,
fragmentary wedge fracture
2R2B3*



Ulna, diaphyseal segment,
intact wedge fracture
2U2B2*



Ulna, diaphyseal segment,
fragmentary wedge fracture
2U2B3*



*Qualifications for radius and
ulna:

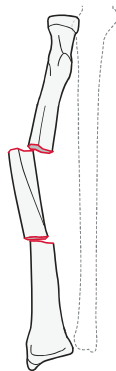
- a Proximal 1/3
- b Middle 1/3
- c **Distal 1/3**

2R2C/2U2C

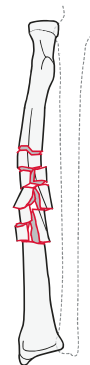
Type: Radius or ulna, diaphyseal segment, **multifragmentary fracture** 2R2C/2U2C

Groups:

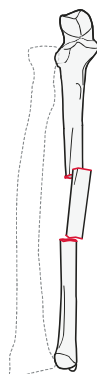
Radius, diaphyseal segment, multifragmentary,
intact segmental fracture
2R2C2*



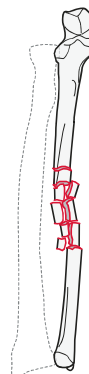
Radius, diaphyseal segment, multifragmentary,
fragmentary segmental fracture
2R2C3*



Ulna, diaphyseal segment, multifragmentary,
intact segmental fracture
2U2C2*



Ulna, diaphyseal segment, multifragmentary,
fragmentary segmental fracture
2U2C3*



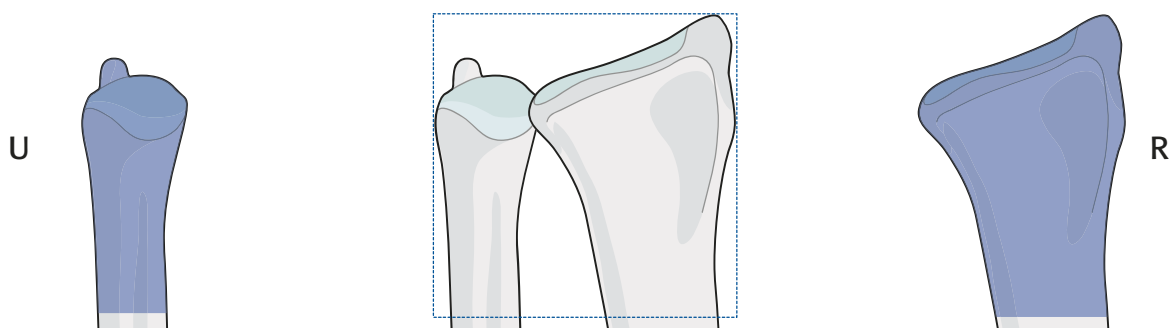
*Qualifications for radius and ulna:
i Proximal diaphyseal-metaphyseal
j **Pure diaphyseal**
k Distal diaphyseal-metaphyseal

→ **Galeazzi** and **Monteggia** fracture patterns can be coded as follows:

The code for the fracture pattern is the radius or ulna fracture code with qualifier of (g) for Galeazzi or (m) for Monteggia representing disruption of the radio-ulnar joint. For more information about Galeazzi and Monteggia fractures, please refer to the Appendix.

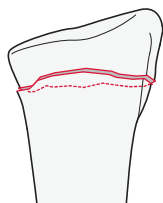
2R3/2U3

Location: Radius/Ulna, **distal end segment** 2R3/2U3

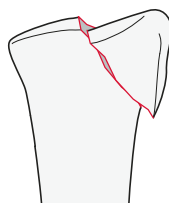


Types:

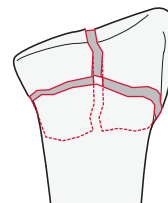
Radius, distal end segment,
extraarticular fracture
2R3A



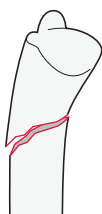
Radius, distal end segment,
partial articular fracture
2R3B



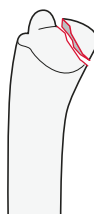
Radius, distal end segment,
complete articular fracture
2R3C



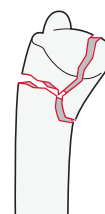
Ulna, distal end segment,
extraarticular fracture
2U3A



Ulna, distal end segment,
partial articular fracture
2U3B



Ulna, distal end segment,
complete articular fracture
2U3C

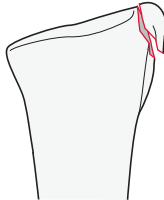


2R3A

Type: Radius, distal end segment, **extraarticular fracture** 2R3A

Group:

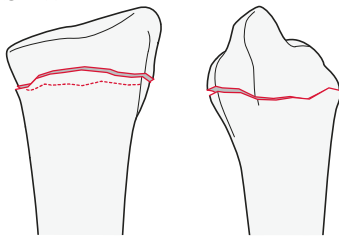
Radius, distal end segment, extraarticular,
radial styloid avulsion fracture
2R3A1



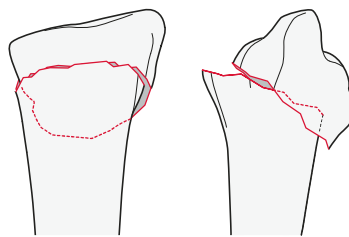
Group: Radius, distal end segment, extraarticular, **simple fracture** 2R3A2

Subgroups:

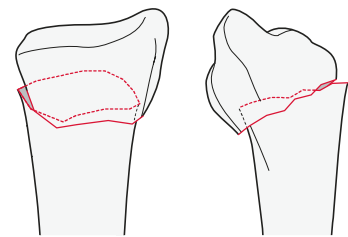
Transverse, no displacement/tilt
(may be shortened)
2R3A2.1



Dorsal displacement/tilt (Colles)
2R3A2.2



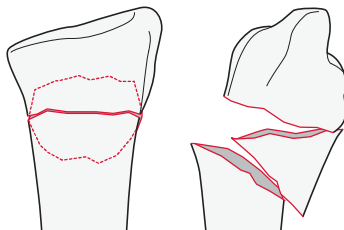
Volar displacement/tilt (Smith's)
2R3A2.3



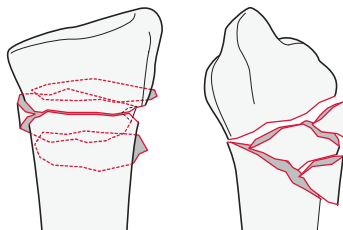
Group: Radius, distal end segment, extraarticular, **wedge or multifragmentary fracture** 2R3A3

Subgroups:

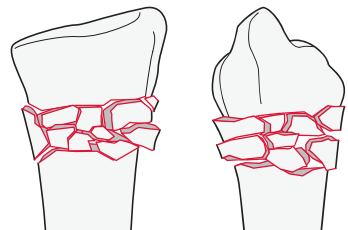
Intact wedge fracture
2R3A3.1



Fragmentary wedge fracture
2R3A3.2



Multifragmentary fracture
2R3A3.3



2U3A

Type: Ulna, distal end segment, **extraarticular fracture** 2U3A

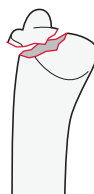
Group: Ulna, distal end segment, **extraarticular, styloid process fracture** 2U3A1

Subgroups:

Tip of styloid fracture
2U3A1.1

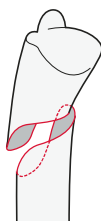


Base of styloid fracture
2U3A1.2

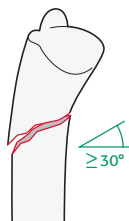


Group: Ulna, distal end segment, extraarticular, **simple fracture** 2U3A2

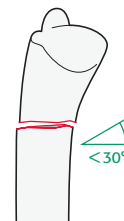
Subgroups:
Spiral fracture
2U3A2.1



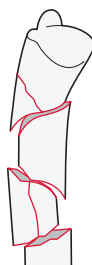
Oblique fracture ($\geq 30^\circ$)
2U3A2.2



Transverse fracture ($< 30^\circ$)
2U3A2.3



Group: Ulna, distal end segment, extraarticular, **multifragmentary fracture** 2U3A3



2R3B

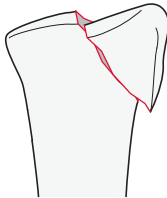
Type: Radius, distal end segment, **partial articular fracture** 2R3B

Group: Radius, distal end segment, partial articular, **sagittal fracture** 2R3B1

Subgroups:

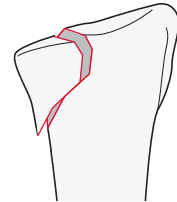
Involving scaphoid fossa

2R3B1.1



Involving lunate fossa

2R3B1.3

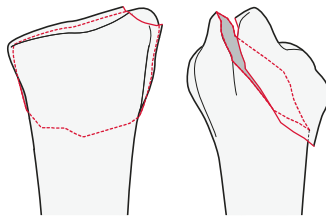


Group: Radius, distal end segment, partial articular, **dorsal rim (Barton's) fracture** 2R3B2

Subgroups:

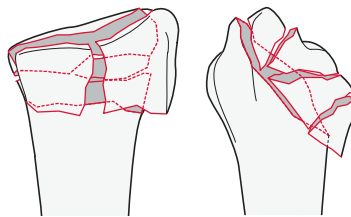
Simple fracture

2R3B2.1



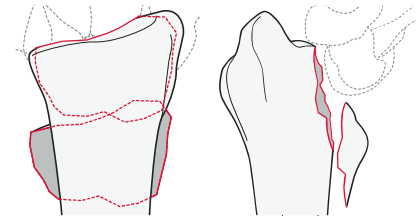
Fragmentary fracture

2R3B2.2



With dorsal dislocation

2R3B2.3

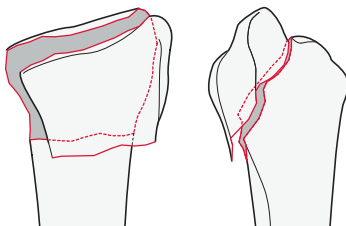


Group: Radius, distal end segment, partial articular, **volar rim (reverse Barton's, Goyrand-Smith's II) fracture** 2R3B3

Subgroups:

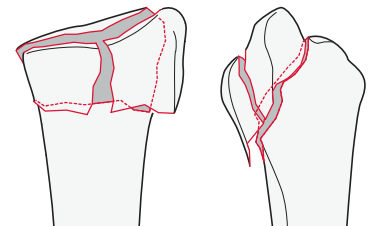
Simple fracture

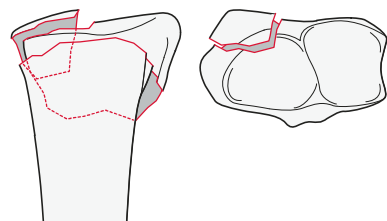
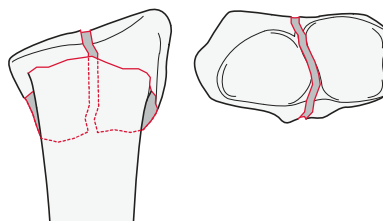
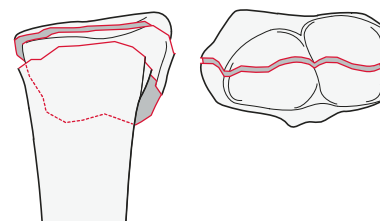
2R3B3.1



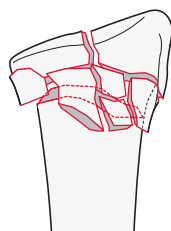
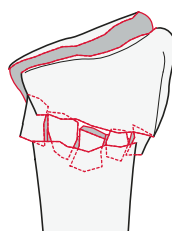
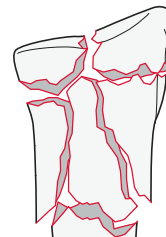
Fragmentary fracture

2R3B3.3

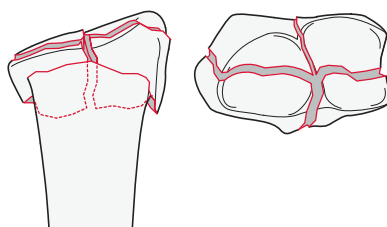
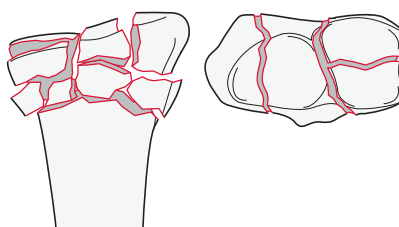
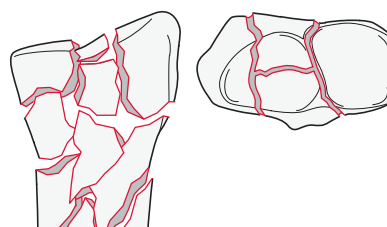


2R3C**Type:** Radius, distal end segment, **complete articular fracture** 2R3C**Group:** Radius, distal end segment, complete, **simple articular and metaphyseal fracture** 2R3C1**Subgroups:****Dorsomedial articular fracture**
2R3C1.1***Sagittal articular fracture**
2R3C1.2***Frontal/coronal articular fracture**
2R3C1.3*

*Qualifications:
t DRUJ stable
u DRUJ unstable

Group: Radius, distal end segment, complete, simple articular, **metaphyseal multifragmentary fracture** 2R3C2**Subgroups:****Sagittal articular fracture**
2R3C2.1***Frontal/coronal fracture**
2R3C2.2***Extending into the diaphysis**
2R3C2.3*

*Qualifications:
t DRUJ stable
u DRUJ unstable

Group: Radius, distal end segment, complete, **articular multifragmentary fracture, simple or multifragmentary metaphyseal fracture** 2R3C3**Subgroups:****Simple metaphyseal fracture**
2R3C3.1***Metaphyseal multifragmentary fracture**
2R3C3.2***Extending into the diaphysis**
2R3C3.3*

*Qualifications:
t DRUJ stable
u DRUJ unstable

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.