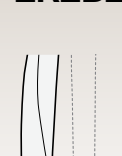
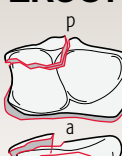


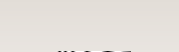
11 Proximal end segment

11A1			11A2			11A3			11B1			11C1			11C3			12A1			12A2			12A3			12B2			12B3			12C2			12C3			13A1			13A2			13A3			13B1			13B2			13B3			13C1			13C2			13C3																																																																																																																				
11A Extraarticular, unifocal, 2-part									11B Extraarticular, bifocal, 3-part									11C Articular or 4-part									12A Simple									12B Wedge									12C Multifragmentary									13A Extraarticular									13B Partial articular									13C Complete articular																																																																																																											
11A1 Tuberosity									11B1 Surgical neck									11C1 Anatomical neck									11C3 Anatomical neck associated with metaphyseal fracture									12A1* Spiral									12A2* Oblique ($\geq 30^\circ$)									12A3* Transverse ($< 30^\circ$)									12B2* Intact wedge									12B3* Fragmentary wedge									12C2* Intact segmental									12C3* Fragmentary segmental									13A1 Avulsion									13A2 Simple									13A3 Wedge or multifragmentary									13B1 Lateral sagittal									13B2 Medial sagittal									13B3 Frontal/coronal plane									13C1 Simple articular, simple metaphyseal									13C2 Simple articular, wedge or multifragmentary metaphyseal									13C3 Multifragmentary articular, wedge or multifragmentary metaphyseal								

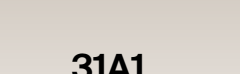
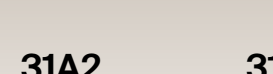
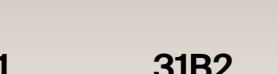
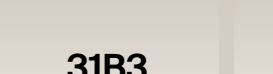
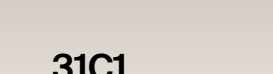
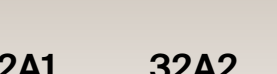
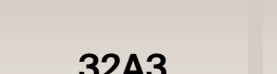
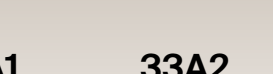
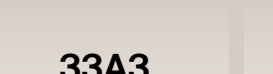
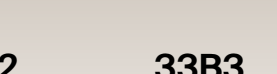
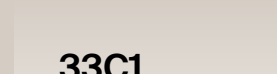
2R1 Proximal end segment

																																													
2R1A Extraarticular						2R1B Partial articular				2R1C Complete articular				2R2A Simple						2R2B Wedge				2R2C Multifragmentary				2R3A Extraarticular				2R3B Partial articular				2R3C Complete articular									
2R1A1 Avulsion of bicipital tuberosity						2R1B1 Simple				2R1C1 Simple				2R2A1* Spiral						2R2B2* Intact wedge				2R2C2* Intact segmental				2R3A1 Radial styloid avulsion				2R3B1 Sagittal				2R3C1 Simple articular and metaphyseal									
2R1A2 Neck, simple						2R1B3 Fragmentary				2R1C3 Multifragmentary				2R2A2* Oblique ($\geq 30^\circ$)						2R2B3* Fragmentary wedge				2R2C3* Fragmentary segmental				2R3A2 Dorsal rim (Barton's)				2R3B2 Dorsal rim (Barton's)				2R3C2 Multifragmentary metaphyseal									
2R1A3 Neck, multifragmentary														2R2A3* Transverse ($< 30^\circ$)												2R3A3 Wedge or multifragmentary				2R3B3 Volar rim (reverse Barton's, Goyrand-Smith's II)				2R3C3 Multifragmentary articular, simple or multifragmentary metaphyseal											

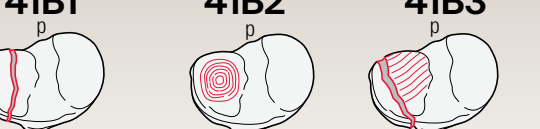
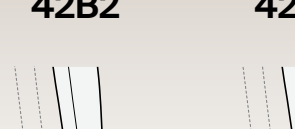
2U1 Proximal end segment

2U1A			2U1A2			2U1A3			2U1B1			2U1B2			2U1C3			2U2A1			2U2A2			2U2A3			2U2B2			2U2B3			2U2C2			2U2C3			2U3A1			2U3A2			2U3A3			2U3B			2U3C																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
2U1A			Extraarticular						2U1B			Partial articular						2U1C			Complete articular						2U2A			Simple						2U2B			Wedge						2U2C			Multifragmentary						2U3A			Extraarticular						2U3B			Partial articular						2U3C			Complete articular																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
2U1A1			Avulsion of triceps insertion						2U1B1*			Olecranon						2U1C1*			Olecranon and coronoid						2U2A1*			Spiral						2U2B2*			Intact wedge						2U2C2*			Intact segmental						2U3A1			Styloid process																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	

31 Proximal end segment

																																
31A Trochanteric region	31A1 Simple pertrochanteric	31A2 Multifragmentary pertrochanteric, lateral wall incompetent (≤ 20.5 mm)	31A3 Intertrochanteric (reverse obliquity)	31B Femoral neck	31B1 Subcapital	31B2 Transcervical	31B3 Basicervical	31C Femoral head	31C1 Simple pertrochanteric	31C2 Multifragmentary pertrochanteric	32A Simple fracture	32A1* Spiral	32A2* Oblique ($\geq 30^\circ$)	32A3* Transverse ($< 30^\circ$)	32B Wedge	32B2* Intact wedge	32B3* Fragmentary wedge	32C Multifragmentary	32C2* Intact segmental	32C3* Fragmentary segmental	33A Extraarticular	33A1 Avulsion	33A2 Simple	33A3 Wedge or multifragmentary	33B Partial articular	33B1 Lateral condyle, sagittal	33B2 Medial condyle, sagittal	33B3 Frontal/coronal	33C Complete articular	33C1 Simple articular, simple metaphyseal	33C2 Simple articular, wedge or multifragmentary metaphyseal	33C3 Multifragmentary articular, simple, wedge or multifragmentary metaphyseal

41 Proximal end segment

																												
41A	Extraarticular		41B	Partial articular		41C	Complete articular			42A	Simple		42B	Wedge		42C	Multifragmentary		43A	Extraarticular		43B	Partial articular		43C	Complete articular		
41A1	Avulsion		41B1	Split		41C1	Simple articular, simple metaphyseal			42A1*	Spiral		42B2*	Intact wedge		42C2*	Intact segmental		43A1	Simple		43B1	Split		43C1	Simple articular, simple metaphyseal		
41A2	Simple		41B2	Depression		41C2	Simple articular, wedge, or multifragmentary metaphyseal			42A2*	Oblique ($\leq 30^\circ$)		42B3*	Fragmentary wedge		42C3*	Fragmentary segmental		43A2	Wedge		43B2	Split depression		43C2	Simple articular, multifragmentary metaphyseal		
41A3	Wedge or multifragmentary		41B3	Split depression		41C3	Fragmentary or multifragmentary metaphyseal			42A3*	Transverse ($\leq 30^\circ$)								43A3	Multifragmentary		43B3	Depression		43C3	Multifragmentary articular and multifragmentary metaphyseal		

4F1 Proximal end segment

Distal humerus		Distal radius		Distal tibia	
4F1A	4F1B	4F2A	4F2B	4F3A	4F3B
					
4F1A* Simple	4F1B* Multifragmentary	4F2A* Simple	4F2B* Wedge or multifragmentary	4F3A* Simple	4F3B* Wedge or multifragmentary

44A1	44A2	44A3	44B1	44B2	44B3	44C1	44C2	44C3
44A	Infrasymphyseal fibula injury		44B	Transsymphyseal fibula fracture		44C	Suprasymphyseal fibula fracture	
44A1	Isolated fibula injury		44B1	Simple fibula fracture		44C1	Simple diaphyseal fibula fracture	
44A2	With medial malleolus fracture		44B2	With medial injury		44C2	Wedge or multifragmentary diaphyseal fibula fracture	
44A3	With posteromedial fracture		44B3	With medial injury and fracture of the posterolateral rim (Volkmann's fragment)		44C3	Proximal fibula injury	

4F

Proximal end segment

a Proximal 1/3

Diaphyseal segment

b Middle 1/3

c Distal 1/3

Distal end segment

- 1 **Nondisplaced**
- 2 **Displaced**
- 3 **Impaction**
- 4 **No impaction**
- 5 **Dislocation**
- 6 **Subluxation/ligamentous instability**
- 7 **Diaphyseal extension**
- 8 **Articular cartilage injury**
- 9 **Poor bone quality**
- 10 **Replantation**
- 11 **Amputation associated with a fracture**
- 12 **Associated with a nonarthroplasty implant**
- 13 **Spiral type fracture**
- 14 **Bending type fracture**

† Simplified version
(For more details, please use the QR code.)

