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Appendix 1: Fractures and surgical outcomes by AO classification

AO Class	n (% of bone)	Total surgeries per AO class	Open Reduction and Internal Fixation (% of surgeries)	Closed Reduction and Internal Fixation (% of surgeries)	Intramedullary Nail (% of surgeries)	Other (% of surgeries)	Complications (%)	Re-operation (%)
Humerus								
<i>11A</i>	14 (35.0)	0	0	0	0	0	0	0
<i>11B</i>	7 (17.5)	1	0	0	0	1 (9.1)	0	0
<i>11C</i>	9 (22.5)	5	3 (27.3)	0	0	2 (18.2)	1 (11.1)	0
<i>12A</i>	3 (7.5)	1	0	1 (9.1)	0	0	0	0
<i>13B</i>	5 (12.5)	2	2 (18.2)	0	0	0	0	0
<i>13C</i>	2 (5.0)	2	2 (18.2)	0	0	0	0	0
	40	11						
Radius								
<i>2R1A</i>	71 (31.7)	3	2 (2.5)	0	0	1 (1.3)	0	0
<i>2R1B</i>	39 (17.4)	2	2 (2.5)	0	0	0	0	0
<i>2R1C</i>	2 (0.9)	2	1 (1.3)	0	0	1 (1.3)	0	0
<i>2R2A</i>	12 (5.4)	13	12 (15.0)	0	0	1 (1.3)	2 (16.7)	1 (8.3)
<i>2R2B</i>	3 (1.4)	2	2 (2.5)	0	0	0	0	1 (33.3)
<i>2R3A</i>	20 (8.9)	2	2 (2.5)	0	0	0	0	0
<i>2R3B</i>	59 (26.3)	40	38 (47.5)	1 (1.3)	0	1 (1.3)	2 (3.4)	5 (8.5)
<i>2R3C</i>	18 (8.0)	16	15 (18.8)	1 (1.3)	0	0	0	0
	224	80						
Ulna								
<i>2U1A</i>	4 (7.5)	3	3 (10.3)	0	0	0	0	0
<i>2U1B</i>	15 (28.3)	10	10 (34.5)	0	0	0	0	0
<i>2U1C</i>	3 (5.7)	3	3 (10.3)	0	0	0	0	0
<i>2U2A</i>	5 (9.4)	6	5 (17.2)	0	0	1 (3.4)	1 (20.0)	1 (20.0)
<i>2U2B</i>	3 (5.7)	3	3 (10.3)	0	0	0	1 (33.3)	0
<i>2U2C</i>	1 (1.9)	1	1 (3.4)	0	0	0	0	1 (100.0)
<i>2U3A</i>	18 (33.9)	3	2 (6.9)	1 (3.4)	0	0	0	1 (5.6)

<i>2U3B</i>	1 (1.9)	0	0	0	0	0	0	0
<i>2U3C</i>	3 (5.7)	0	0	0	0	0	1 (33.3)	1 (33.3)
	53	29						
Femur								
<i>31A</i>	16 (45.7)	15	0	5 (15.2)	10 (30.3)	0	0	0
<i>31B</i>	12 (34.3)	11	0	10 (30.3)	0	1 (3.0)	0	0
<i>32A</i>	2 (5.7)	2	0	0	2 (6.1)	0	0	0
<i>32B</i>	3 (8.5)	3	0	0	3 (9.1)	0	1 (33.3)	0
<i>33B</i>	1 (2.9)	1	0	0	0	1 (3.0)	0	0
<i>33C</i>	1 (2.9)	1	1 (3.0)	0	0	0	0	0
	35	33						
Tibia								
<i>41A</i>	1 (2.0)	0	0	0	0	0	0	0
<i>41B</i>	16 (32.0)	8	4 (9.1)	4 (9.1)	0	0	1 (6.3)	1 (6.3)
<i>41C</i>	16 (32.0)	20	13 (29.5)	0	0	7 (15.9)	2 (12.5)	3 (18.8)
<i>42A</i>	6 (12.0)	6	0	0	6 (13.6)	0	1 (16.7)	1 (16.7)
<i>42B</i>	5 (10.0)	5	0	0	5 (11.4)	0	1 (20.0)	0
<i>43A</i>	1 (2.0)	3	1 (2.3)	0	1 (2.3)	1 (2.3)	0	1 (100.0)
<i>43B</i>	3 (6.0)	0	0	0	0	0	0	0
<i>43C</i>	2 (4.0)	2	2 (4.5)	0	0	0	0	0
	50	44						
Ankle								
<i>44A</i>	2 (6.5)	0	0	0	0	0	0	0
<i>44B</i>	23 (74.2)	18	18 (78.3)	0	0	0	0	1 (4.3)
<i>44C</i>	6 (19.3)	5	5 (21.7)	0	0	0	1 (16.7)	1 (16.7)
	31	23		0				
Fibula								
<i>4F1A</i>	4 (20.0)	0	0	0	0	0	1 (25.0)	1 (25.0)
<i>4F1B</i>	1 (5.0)	0	0	0	0	0	0	0
<i>4F2A</i>	7 (35.0)	4	1 (20.0)	1 (20.0)	1 (20.0)	1 (20.0)	2 (28.6)	1 (14.3)
<i>4F2B</i>	6 (30.0)	0	0	0	0	0	0	1 (16.7)
<i>4F3A</i>	1 (5.0)	0	0	0	0	0	0	0
<i>4F3B</i>	1 (5.0)	1	1 (20.0)	0	0	0	0	0
	20	5						