

Table 1: Demographics.

	Entire cohort	Control	GA manipulation	p-value
Patients (%)	267 (100)	225 (84)	42 (16)	
Male (%)	151 (57)	126 (56.0)	25 (60)	0.74
Age (years)	8.3 (6.2–11.2)	8.0 (6.1–10.9)	10.2 (6.5–12.6)	0.03
Length of stay (hours)	5.3 (4.4–6.7)	5.1 (4.2–6.1)	8.5 (5.8–23.6)	<0.001
Delay in presentation (%)	10 (4)	4 (2)	6 (14)	0.001
Primary presentation to outside hospital (%)	10 (4)	4 (2)	6 (14)	0.001
Radius fracture (%)				
Bilateral	3 (1)	2 (1)	1 (2)	0.69
Left	125 (49)	106 (50)	19 (46)	
Right	127 (50)	106 (50)	21 (51)	
Radius fracture site (%)				
Distal	189 (74)	165 (77)	24 (59)	0.02
Midshaft	55 (22)	40 (19)	15 (37)	0.02
Proximal	12 (5)	9 (4)	3 (7)	0.42
Ulna fracture (%)				
Bilateral	1 (1)	0 (0)	1 (4)	0.05
Left	70 (45)	55 (43)	15 (54)	
Right	86 (55)	74 (57)	12 (43)	
Ulna fracture site (%)				
Distal	97 (62)	82 (64)	15 (54)	0.39
Midshaft	54 (34)	42 (33)	12 (43)	0.38
Proximal	8 (5)	6 (5)	2 (7)	0.63
Radius and ulna fracture (%)				
Unilateral	145 (54)	118 (52)	27 (64)	0.18
Bilateral	1 (0)	0 (0.0)	1 (2)	0.16
Non distal fracture site of either bone (%)	76 (29)	57 (25)	19 (45)	0.01
Two-tailed p-value of <0.05 used to define significance				
Values for radius and ulna fracture sites may sum to more than 100% due to patients with more than one fracture site				

Table 2: Odds Ratios.

Parameter	Failed Manipulation / Total (%)	Odds Ratio (95% CI)	p-value
Distal radius only	8/97 (8)	Comparison group	
Midshaft radius only	5/9 (56)	13.9 (3.1–62.4)	<0.001
Proximal radius only a	0/3 (0)	1.5 (0.1–31.6)	0.80
Distal ulna only a	0/5 (0)	0.96 (0.05–18.8)	0.97
Midshaft ulna only	1/4 (25)	3.7 (0.34–39.9)	0.28
Proximal ulna only a	0/3 (0)	1.5 (0.07–31.6)	0.80
Radius fractures only	13/109 (12)	Comparison group	
Ulna fractures only	1/12 (8)	0.67 (0.08–5.6)	0.71
Radius and ulna fractures	15/102 (15)	1.3 (0.57–2.8)	0.55
One radius fracture	13/107 (12)	Comparison group	
Two radius fractures a	0/2 (0)	1.4 (0.06–30.8)	0.83
One ulna fracture	1/12 (8)	0.65 (0.08–5.5)	0.70
Distal fractures only	21/189 (11)	Comparison group	
Non-distal fractures	19/76 (25)	2.7 (1.3–5.3)	0.006
One fracture site	21/189 (12)	Comparison group	

Table 3: Regression.

Parameter	Odds Ratio (OR)	p-value
Delay in presentation to hospital	12.9 (3.0–54.7)	0.001
Non-distal fracture	7.5 (2.4–23.8)	0.001
Age	1.13 (1.01–1.26)	0.04
Two-tailed p-value of <0.05 used to define statistical significance: Nagelkerke R-squared = 0.228 Hosmer–Lemeshow test p=0.93		