

Variable	Pin-site infection		p-value
	No	Yes	
Median age, yrs (IQR)	53.4 (36.5 to 59.2)	46 (31 to 60.7)	0.35*
Median BMI, kg/m ² (IQR)	27.0 (24 to 30)	25 (23 to 28)	0.23*
Sex, male/female, n (%)	42/26 (58/60)	31/17 (42/40)	0.85†
Ethnicity, Caucasian/non-Caucasian, n (%)	63/4 (58/57)	45/3 (42/43)	1.00†
Smoker, no/yes, n (%)	55/13 (60/52)	36/12 (40/48)	0.50†
Comorbidities, no/yes, n (%)	45/23 (62/55)	28/19 (38/45)	0.55†
Use of moisturizers, yes/no, n (%)	15/53 (62/58)	9/39 (38/42)	0.82†
Alcohol, n (%)			0.74‡
None	31 (55)	25 (45)	
Within recommended limits	24 (60)	16 (40)	
Excess	13 (65)	7 (35)	
Median number of fixation elements (wires and half pins), n (IQR)	10 (8 to 11)	9 (8 to 10.8)	0.20*
Open fracture (any grade), yes/no, n (%)	55/13 (62/48)	34/14 (38/52)	0.27†
Median T cells/HPF (IQR)	18 (16 to 21)	19.5 (15.8 to 24)	0.12*
Median macrophages/HPF (IQR)	16 (12 to 21)	17.84 (15 to 23)	0.16*
Median capillaries/HPF (IQR)	15 (13 to 19)	16 (15 to 20.8)	0.16*
Median epidermal thickness, mm (IQR)	0.06 (0.05 to 0.09)	0.09 (0.06 to 0.11)	0.01*
Median dermal thickness, mm (IQR)	2.18 (1.92 to 2.81)	2.05 (1.77 to 2.60)	0.11*
Median skin pH (IQR)	5.1 (4.7 to 5.6)	5.3 (4.7 to 5.7)	0.73*
Median skin hydration, au (IQR)	22.2 (14.6 to 29.9)	23.7 (17.2 to 30.9)	0.30*

*Mann–Whitney U test.

†Fisher’s exact test.

‡Chi-squared test.

au, arbitrary units; BMI, body mass index; HPF, high powered field; IQR, interquartile range.