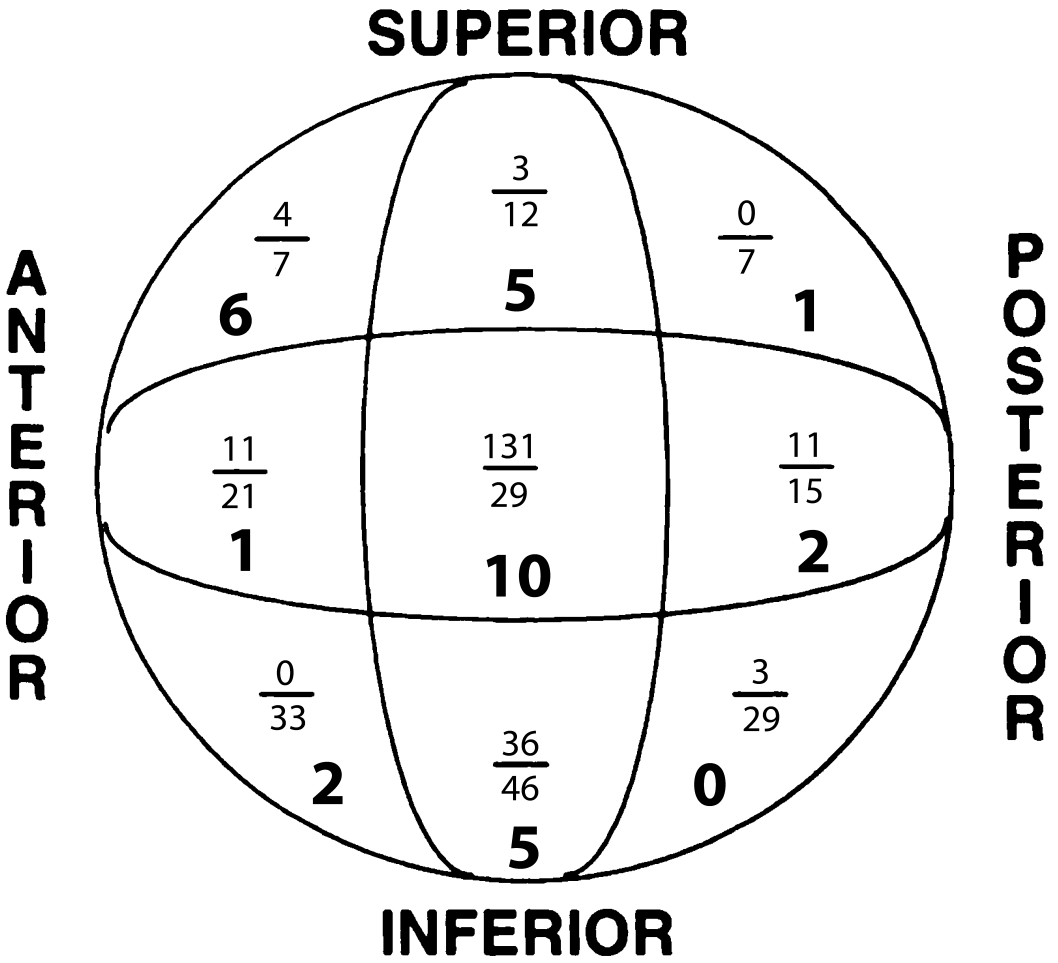

Fig. E-1

Illustration showing the observer differences for determining screw position, by zone, for the 215 patients. The first number shows the results of observer 1, and the second shows the results of observer 2. The third and bold number shows the number of patients with screw cutout. The measurements made by both observers demonstrated a significant relationship between screw position and screw cutout ($p = 0.009$ and $p = 0.014$ for observers 1 and 2, respectively).

TABLE E-1 Nonadjusted Odds Ratio for Effects of Different Categorical Variables on the Cutout of Hip Screws with Use of Univariate Logistic Regression

Variable	Reference Category	Odds Ratio	95% CI	P Value
Sex	Male	2.05	0.45 to 9.34	0.356
Device	Gamma nail	1.01	0.27 to 3.73	0.988
Mortality	Mortality	0.65	0.17 to 2.44	0.525
ASA classification	ASA 4	—	—	0.783
AO classification	A1			
A2		1.45	0.41 to 5.13	0.566
A3		3.32	0.83 to 13.22	0.089
Fracture reduction	Good			
Observer 1				
Moderate		1.42	0.47 to 4.27	0.532
Poor		3.91	0.71 to 21.52	0.118
Observer 2				
Moderate		1.0	0.29 to 3.38	0.995
Poor		5.19	1.35 to 20.01	0.017
Screw position	Anterior-superior			
Observer 1				
Central-superior		2.0	0.19 to 20.61	0.560
Posterior-superior		—	—	—
Anterior-central		0.18	0.01 to 2.60	0.209
Central-central		0.12	0.02 to 0.77	0.025
Posterior-central		0.00	0.00 to —*	0.999
Anterior-inferior		—	—	—
Central-inferior		0.11	0.01 to 1.02	0.052
Posterior-inferior		0.00	0.00 to —*	0.999
Observer 2				
Central-superior		0.29	0.04 to 2.02	0.212
Posterior-superior		0.25	0.02 to 2.84	0.263
Anterior-central		0.00	0.00 to —*	0.998
Central-central		0.12	0.02 to 0.80	0.028
Posterior-central		0.23	0.03 to 1.59	0.137
Anterior-inferior		0.11	0.02 to 0.70	0.020
Central-inferior		0.11	0.02 to 0.62	0.012
Posterior-inferior		0.00	0.00 to —*	0.998

*A second value could not be provided because one observer did not measure a screw to be in these positions.