

TABLE E-1 Sharp Angle, Center-Edge Angle, and Migration Percentage Based on Bucholz-Ogden Grade of Osteonecrosis in Seventy-one Hips*

Variable	Grade I (N = 16)	Grade II (N = 23)	Grade III (N = 20)	Grade IV (N = 12)
Age (yr)	12.0 ± 3.0	14.1 ± 2.0	14.4 ± 2.2	13.9 ± 2.5
Sharp angle (deg)	44.0 ± 5.1	44.9 ± 5.0	45.6 ± 7.0	44.6 ± 4.9
Center-edge angle (deg)	32.6 ± 11.6	31.3 ± 10.6	36.2 ± 13.5	27.9 ± 12.3
Migration percentage (%)	14.0 ± 10.3	17.8 ± 11.8	22.8 ± 23.9	16.7 ± 16.5

*The values are given as the mean and the standard deviation.

TABLE E-2 Type, Frequency, and Age at Time of First Procedure

Procedure	No. of Patients (N = 72)	Age* (mo)
Abduction harness	4 (6%)	1 (1 to 3)
Closed reduction	16 (22%)	12 (3 to 25)
Open reduction	22 (31%)	9 (7 to 13)
Open reduction, femoral osteotomy	26 (36%)	23 (11 to 76)
Open reduction, pelvic osteotomy	2 (3%)	21 (18 to 24)
Open reduction, femoral osteotomy, pelvic osteotomy	2 (3%)	65 (52 to 72)

*The values are given as the mean, with the range in parentheses.