

TABLE E-1 University of California at Los Angeles (UCLA) Activity Scale

No. of Points	Criterion
1	Wholly inactive, dependent on others
2	Mostly inactive, restricted to minimal activities of daily living
3	Sometimes participates in mild activity such as walking, limited housework, or shopping
4	Regularly participates in mild activities
5	Sometimes participates in moderate activity such as swimming and unlimited housework or shopping
6	Regularly participates in moderate activities
7	Regularly participates in active events such as bicycling
8	Regularly participates in very active events such as bowling or golf
9	Sometimes participates in impact sports, such as jogging, tennis, and skiing, and heavy labor
10	Regularly participates in impact sports

TABLE E-2 Grading of Immediate Postoperative Stem-Cementing Quality with Use of Criteria Described by Barrack et al.¹⁷

Grade	Criterion
A	No distinction can be made between femoral cortex and cement in the diaphysis
B	Slight radiolucencies at the cement-bone interface
C	Defective or incomplete cement mantle
D	Poor cementing with failure to fill canal; no cement below the tip or 100% radiolucency

TABLE E-3 Femoral Morphology as Classified by Dorr³⁵

A	Femur has a “champagne flute” canal configuration with thick cortices
B	Moderate proximal flare (most common)
C	Thin cortices consequent to aging and/or osteoporotic bone loss, also called “stove pipe” femur

TABLE E-4 Cortical Index (CI) Measured According to Gruen Technique³⁶

Femoral bone index expressed as the ratio between the internal femoral diameter (ID) and the external femoral diameter (ED) measured at 10 cm distal to the middle of the lesser trochanter (CI = ID/ED)
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