Stage/Size No. of Hips in Study 0 (no osteonecrosis) I (lesion seen on magnetic resonance image 0 only) II (sclerosis and necrosis on plain radiograph) A (<25%)* 8 B (25%-50%)* 10 C (>50%)*3 III (crescent sign) A (<25%) 6 B (25%-50%) 9 C (>50%) IV (partial collapse) A (flattening or ≤ 1 mm collapse) 17 B (2-3 mm collapse) 83 C (>3 mm collapse) 57 V (joint space narrowing, acetabular 0 involvement) VI (end-stage degenerative joint disease) 0

TABLE E-1 Duke Classification System

^{*}As measured on orthogonal radiographs and magnetic resonance imaging.