

TABLE E-1 Primary Diagnosis

Entire Group

| | AVN* | DJD* | DDH* | Other | Total Number of Hips |
|-----------------|------------|-----------|---------|----------|----------------------|
| Harris Design-2 | †47 (24%) | 105 (55%) | 6 (3%) | 34 (18%) | 192 |
| Precoat | †156 (36%) | 195 (45%) | 25 (6%) | 53 (12%) | 429 |

Failed Hips

| | AVN | DJD | DDH | Other | Total Number of Hips |
|-----------------|----------|----------|---------|---------|----------------------|
| Harris Design-2 | 5 (50%) | 3 (30%) | 1 (10%) | 1 (10%) | 10 |
| Precoat | 25 (51%) | 14 (29%) | 4 (8%) | 6 (12%) | 49 |

*AVN = avascular necrosis, DJD = degenerative joint disease, and DDH = developmental dysplasia of the hip. †($p = 0.000$)

TABLE E-2 Precoat Prostheses: Radiographic Evaluation of Cement Technique

| Cement Grade | Surviving Components | Failed Components |
|----------------|----------------------|-------------------|
| A | 11 | 12 |
| B | 17 | 15 |
| C ₁ | 1 | 1 |
| C ₂ | 4 | 9 |
| D | 0 | 1 |
| Total | 33 | 38 |

TABLE E-3 Precoat Prostheses: Radiographic Appearance at Time of Failure

| Type | |
|--|----|
| 1. Extensive bone-cement lucency | 27 |
| 2. Isolated debonding | 2 |
| 3. Extensive bone-cement lucency and debonding | 8 |
| 4. Focal osteolysis before 1 or 2 | 4 |
| | 41 |

TABLE E-4 Characteristics of Patients with Fractured Precoat Stem (5 Components)

| | |
|----------------------|---|
| Age | 37 years (30-48 years) |
| Gender | 3 males, 2 females |
| Height | 5'8" (5'3"-6') |
| Weight | 215 lb (175-235 lb) |
| Side | all left |
| Size of prosthesis | 4 small, 1 medium |
| Diagnosis* | 3 AVN, 1 DJD, 1 failed cup |
| Activity level | 3 very active, 1 active, 1 moderately active |
| Interval to fracture | 7 years + 7 months (3 years + 9 months to 10 years) |

*AVN = avascular necrosis, and DJD = degenerative joint disease