TABLE E1
CORRELATES OF WOMAC PHYSICAL FUNCTION SUBSCORE

Variable or Outcome	p value
Lives independently with family or assistance	0.003*
Radiographic loosening of acetabular component	0.010*
Weight	0.042*
Rate of linear wear	0.137
Revision for acetabular loosening	0.139
Gender	0.144
Rate of volumetric wear	0.167
Age at surgery	0.509
Revision for femoral loosening	0.663
Osteolysis	0.692
Radiographic loosening of femoral component	0.725
Height	0.762
1.7	

^{*}Denotes significance, p < 0.05.

TABLE E2
CORRELATES OF LINEAR ACETABULAR WEAR

Variable or Outcome	p value
Osteolysis	0.002*
WOMAC physical function subscore	0.137
Gender	0.140
Living situation	0.261
WOMAC stiffness subscore	0.344
WOMAC pain subscore	0.380
Radiographic loosening of acetabular component	0.463
Revision for acetabular loosening	0.497
Weight	0.508
Postoperative dislocation	0.544
Age at surgery	0.555
Revision for femoral loosening	0.637
Radiographic loosening of femoral component	0.673
Height	0.929
*Denotes significance, $p < 0.05$.	

TABLE E3

ASSOCIAT	Ю

Cement Grade

ΊA	TI	O
		_

Ί	A	T	I	0	N

CIATION	OF CEMENT G	RADE WITH I	REVISION FOR	FEMORAL L	OOSENING -	LIVING PATIENTS	5

Fisher exact test

13 (25%)

23 (44%)

12 (23%)

p = 0.084

4(8%)

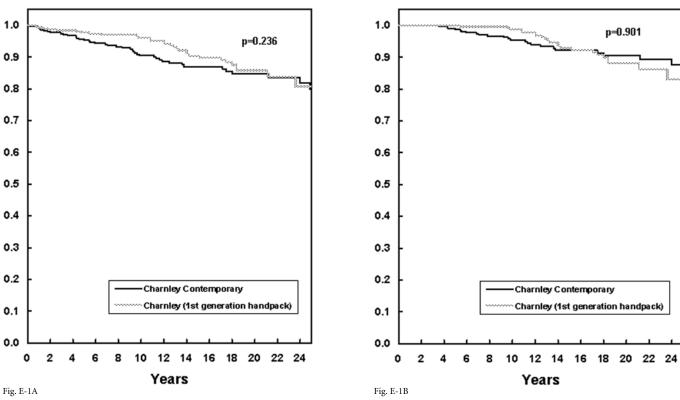
0 of 13 (0%)

1 of 23 (4%)

Revised for femoral loosening



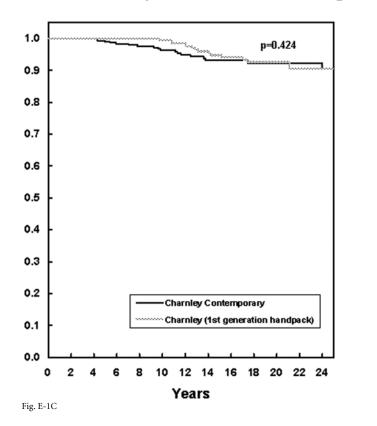
Revision for Aseptic Loosening

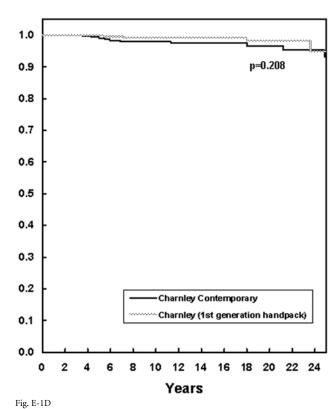


Figs. E1-A through E1-F Survivorship curves, determined with the Kaplan-Meier method¹⁴, for the hips treated with the contemporary cementing technique and the hips treated with the hand-packing cementing technique.

Revision for Aseptic Acetabular Loosening

Revision for Aseptic Femoral Loosening





Acetabular Loosening

p=0.096 0.9 8.0 0.7 0.6 0.5 0.4 0.3 0.2 Charnley Contemporary ******** Charnley (1st generation handpack) 0.1 0.0 18 20 22 24 Years

Fig. E-1E

Femoral Loosening

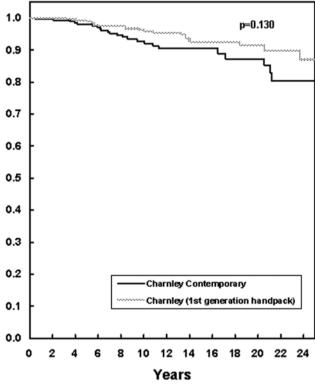
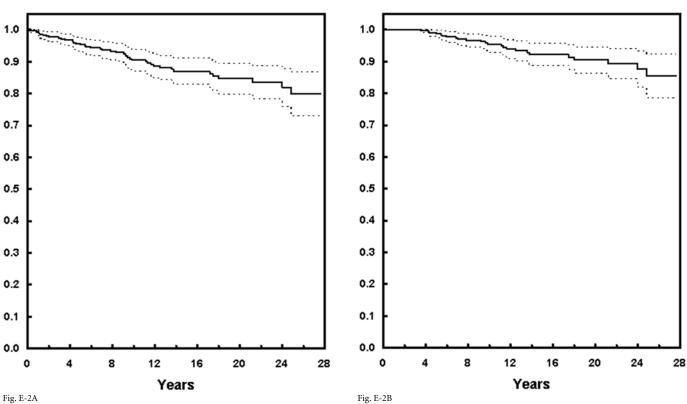


Fig. E-1F



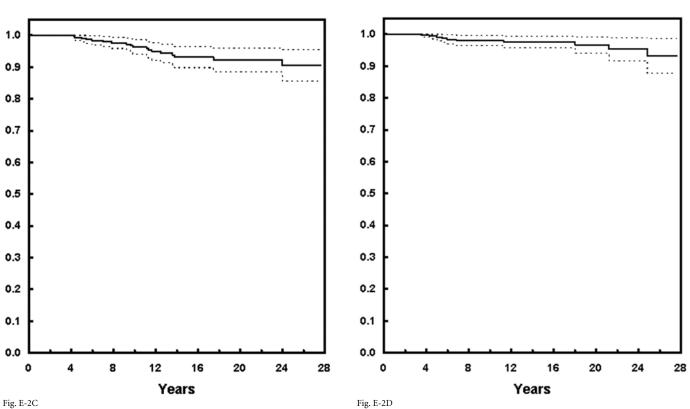
Revision for Aseptic Loosening



Figs. E2-A through E2-F Survivorship curves (bold lines) and 95% confidence intervals (dotted lines), determined with the Kaplan-Meier method¹⁴, for the hips treated with the contemporary cementing technique.

Revision for Aseptic Acetabular Loosening

Revision for Aseptic Femoral Loosening



Acetabular Radiographic Loosening

Femoral Radiographic Loosening

