## LAHEY CLINIC KNEE-IMPLANT STANDARDIZATION PROGRAM

Name: \_\_\_\_\_ ID: \_\_\_\_ Date of Surgery: \_\_\_\_\_

TABLE E-1

		Surgeon:	
TKA PATIENT TYPE SC	ORE (Circle	appropriate le	vel for each category)
_	_		
1. >75	1. <120 lb		1. Sedentary
2. 70-75	2. 120-149 lb		2. Household ambulator
3. 65-69	3. 150-179 lb		3. Community ambulator
4. 60-64	4. 180-200 lb		4. No walking limit
5. <60	5. >200 lb		5. Sports / heavy work
(add 5 points for <55 years of age)			
Health:	Bon	e Stock:	
American Society of Anesthesiologists (A.S.A.) Classification 1. Poor 2. Fair 3. Moderate 4. Good 5. Excellent	1. 2. 3. 4. 5.	oral Index* > .62 .5662 .4955 .4248 < .42	Method of Measurement of Femoral Index
AGE POINTS:		DEA	AAND CATEGODY
WEIGHT POINTS:		DEN	MAND CATEGORY:
ACTIVITY POINTS:			(See Implant Selection Chart [Table E-2])
HEALTH POINTS:		FEM	ORAL IMPLANT SELECTED:
BONE STOCK POINTS:		TIB	IAL IMPLANT SELECTED:
TOTAL:		PAT	ELLAR IMPLANT SELECTED:
(PATIENT TYPE	SCORE)		

\*As described in: Healey JH, Vigorita VJ, Lane JM. The coexistence and characteristics of osteoarthritis and

osteoporosis. J Bone Joint Surg Am. 1985;67:586-592.

Patient Type

Score

22 - 30

18 - 21

12 - 17

≤11

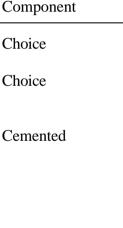
Demand

Category

П

Ш

IV



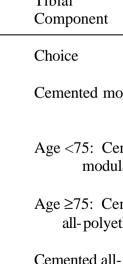
Femoral

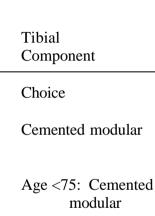
Cemented

TABLE E-2

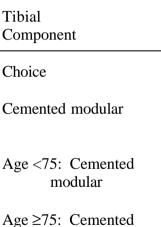
LAHEY CLINIC DEMAND CATEGORIES IMPLANT SELECTION



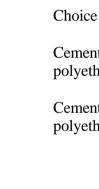


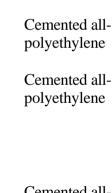


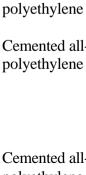
polyethylene



all-polyethylene







Patellar

Component

Cemented allpolyethylene Cemented allpolyethylene

OPERATIVE COMPARISON OF COHORTS

1995

TABLE E-3

Number of patients	56		103	
Surgical approach				
Midline incision	56	(100%)	103	(100%)
Medial parapatellar	56	(100%)	103	(100%)
arthrotomy				

Operating room time in minutes Mean (range)	104.84	(70-170)	103.18	(75-140)	P = 0.7133
Posterior cruciate ligament Sacrificed/substituted	5	(8.9%)	48	(46.60%)	<i>P</i> < 0.0001*

1992

- F					
Mean (range)	104.84	(70-170)	103.18	(75-140)	P
Posterior cruciate ligament					
Sacrificed/substituted	5	(8.9%)	48	(46.60%)	$\boldsymbol{P}$
Retained (±recessed)	51	(91.1%)	55	(53.47%)	
Implant used					
Kinematic/Duracon <sup>†</sup>	47	(83.93%)	11	(10.68%)	$\boldsymbol{P}$
~†				(0 = 40)	

Posterior cruciate ligament					
Sacrificed/substituted	5	(8.9%)	48	(46.60%)	P < 0.0001*
Retained (±recessed)	51	(91.1%)	55	(53.47%)	
Implant used					
Kinematic/Duracon <sup>†</sup>	47	(83.93%)	11	(10.68%)	P < 0.0001*
Duracon II <sup>†</sup>	0		9	(8.74%)	

Retained (±1ecessed)	31	(91.170)	33	(33.47%)	
Implant used					
Kinematic/Duracon <sup>†</sup>	47	(83.93%)	11	(10.68%)	P < 0.0001*
Duracon II <sup>†</sup>	0		9	(8.74%)	
$\mathrm{PFC}^{\ddagger}$	9	(16.07%)	83	(80.58%)	

Duracon II <sup>†</sup>	0	(023277)	9	(8.74%)	
$PFC^{\ddagger}$	9	(16.07%)	83	(80.58%)	
All polyethylene tibia					
Ves	0		1/1	(13.50%)	P = 0.002

P = 0.0023\*(13.59%)Yes (86.41%)

No 56 (100%)89

<sup>\*</sup>Statistically significant.

† Howmedica (Stryker)

<sup>&</sup>lt;sup>‡</sup>Johnson & Johnson (DePuy Orthopaedics)