LAHEY CLINIC KNEE-IMPLANT STANDARDIZATION PROGRAM

Name:_____ ID:_____ Date of Surgery:_____

Surgeon: _____

TKA PATIENT TYPE SCORE (Circle appropriate level for each category)

Age: _____	Weight: _____	Expected activity (after TKA): _____
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: _____   Bone Stock: _____

American Society of
Anesthesiologists (A.S.A.)   Method of Measurement
Classification   Femoral Index*   of Femoral Index
1. Poor   1.   > .62 | |___| | Inner Diameter
2. Fair   2.   .56 - .62 |_|_|_| Outer Diameter
3. Moderate   3.   .49-.55 | | | |
4. Good   4.   .42-.48 | | | |
5. Excellent   5.   < .42

AGE POINTS: _____

WEIGHT POINTS: _____   DEMAND CATEGORY: _____

ACTIVITY POINTS: _____   (See Implant Selection Chart [Table E-2])

HEALTH POINTS: _____   FEMORAL IMPLANT SELECTED:_____

BONE STOCK POINTS: _____   TIBIAL IMPLANT SELECTED:_____

TOTAL: _____   PATELLAR 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.

LAHEY CLINIC DEMAND CATEGORIES IMPLANT SELECTION

Patient Type Score	Demand Category	Femoral Component	Tibial Component	Patellar Component
22 - 30	I	Choice	Choice	Choice
18 - 21	II	Choice	Cemented modular	Cemented all-polyethylene
12 - 17	III	Cemented	Age <75: Cemented modular Age ≥75: Cemented all-polyethylene	Cemented all-polyethylene
≤11	IV	Cemented	Cemented all-polyethylene	Cemented all-polyethylene

TABLE E-3

OPERATIVE COMPARISON OF COHORTS

	1992		1995		
Number of patients	56		103		
Surgical approach					
Midline incision	56	(100%)	103	(100%)	
Medial parapatellar arthrotomy	56	(100%)	103	(100%)	
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%)	$P < 0.0001$*
Retained (±recessed)	51	(91.1%)	55	(53.47%)	
Implant used					
Kinematic/Duracon[†]	47	(83.93%)	11	(10.68%)	$P < 0.0001$*
Duracon II[†]	0		9	(8.74%)	
PFC[‡]	9	(16.07%)	83	(80.58%)	
All polyethylene tibia					
Yes	0		14	(13.59%)	$P = 0.0023$*
No	56	(100%)	89	(86.41%)	

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*Statistically significant.

[†] Howmedica (Stryker)

[‡] Johnson & Johnson (DePuy Orthopaedics)