

Table E-1. Baseline Characteristics of the Study Group

Characteristics	Unilateral*	Bilateral*	Test Stat	P Value**
Number of Patients	512 †	255 †		
Age, years	68.4 (10.4)	67.6 (10.1)		0.3028
Preoperative Hemoglobin, g/dL	13.30 (1.49)	13.24 (1.49)		0.6243
Body Mass Index, kg/cm ²	30.00 (5.87)	32.26 (6.72)		< 0.0001
Male Gender, No.	219 (42.6)	108 (42.4)	$\chi^2 = 1.0766 \times 10^{-4}$	> 0.975
Indication, No.				
Osteoarthritis	470 (91.4)	238 (93.3)	$\chi^2 = 5.9767 \times 10^{-1}$	> 0.25
Rheumatoid or Psoriatic or Lupus	35 (6.8)	17 (6.7)	$\chi^2 = 6.1381 \times 10^{-3}$	> 0.90
Trauma	2 (0.39)	0 (0.0)	Fisher	1.0000
Other††	7 (1.4)	0 (0.0)	Fisher	0.1023
Smoking in past year, No.	56 (10.9)	15 (5.9)	$\chi^2 = 4.5942$	< 0.05
Past Medical Hx				
Cardiac, No.	170 (33.2)	76 (29.8)	$\chi^2 = 7.5351 \times 10^{-1}$	> 0.25
Coronary Artery Disease	86 (16.8)	41 (16.1)		
Myocardial Infarction	51 (10.0)	19 (7.5)		
Valve Abnormality	26 (5.1)	13 (5.1)		
Conduction Abnormality	12 (2.3)	8 (3.1)		
Arrhythmia	58 (11.3)	24 (9.4)		
Congestive Heart Failure	13 (2.5)	9 (3.5)		
Pericarditis	3 (0.59)	0 (0.0)		
Nonspecific	5 (0.98)	0 (0.0)		
Other	13 (2.5)	5 (2.0)		
Pulmonary, No.	70 (13.7)	37 (14.5)	$\chi^2 = 4.1994 \times 10^{-2}$	> 0.75
Asthma	36 (7.0)	14 (5.5)		
COPD	19 (3.7)	6 (2.4)		
Interstitial Disease	2 (0.39)	1 (0.39)		
Pulmonary Embolism	5 (0.98)	0 (0.00)		
Pulmonary Tuberculosis	1 (0.20)	0 (0.00)		
Nonspecific	7 (1.4)	14 (5.5)		
Other	2 (0.39)	2 (0.78)		
Neurologic, No.	30 (5.9)	12 (4.7)	$\chi^2 = 2.4309 \times 10^{-1}$	> 0.50
CVA	12 (2.3)	4 (1.6)		
TIA	17 (3.3)	6 (2.4)		
Nonspecific	1 (0.20)	2 (0.78)		
Vascular, No.	29 (5.7)	9 (3.5)	$\chi^2 = 1.2251$	> 0.25
Abdominal Aortic Aneurysm	9 (1.8)	2 (0.78)		
Lower Extremity Aneurysm	2 (0.39)	0 (0.00)		
Intracranial Aneurysm	1 (0.20)	1 (0.39)		
Carotid Artery Disease	11 (2.1)	2 (0.78)		
PVD or Other Aneurysm	5 (0.98)	4 (1.6)		
Nonspecific	2 (0.39)	1 (0.39)		
Other	1 (0.20)	0 (0.0)		
Hypertension, No.	269 (52.4)	123 (48.2)	$\chi^2 = 1.0409$	> 0.25
Diabetes, No.	58 (11.3)	27 (10.6)	$\chi^2 = 3.1149 \times 10^{-2}$	> 0.75
DVT or Phlebitis, No.	34 (6.6)	11 (4.3)	$\chi^2 = 1.2741$	> 0.25

* Values are mean (Standard Deviation) for continuous variables and number (%) for dichotomous variables.

** P values were generated by Student test for continuous variables, χ^2 analysis for dichotomous variables when all incidences > 5, and Fisher exact test for dichotomous variables when at least one incidence <= 5.

† Data available for 512 Unilateral and 255 Bilateral patients for all variables except for Age (514, 255), Preoperative Hemoglobin (499, 249), Body Mass Index (509, 255), Diabetes (513, 255), Hypertension (513, 255), Sex (514, 255), and Indication (514, 255); (Unilateral, Bilateral)

†† Other includes AVN (6, 0), Hemarthrosis (1, 0); (Unilateral, Bilateral)

Explanation of Abbreviations: Number (No.), Chronic Obstructive Pulmonary Disease (COPD), Cerebrovascular Accident (CVA), Transient Ischemic Attack (TIA), Peripheral Vascular Disease (PVD), Deep Venous Thrombosis (DVT)

Table E-2. Surgical Parameters

Characteristics	Unilateral*	Bilateral*	Test Stat	P Value [†]
Number of Knees	513	510		
Component, No.				
Posterior Stabilized	423 (82.5)	412 (80.8)	$\chi^2 = 0.3716$	> 0.50
Cruciate Retaining	74 (14.4)	75 (14.7)	$\chi^2 = 1.4998 \times 10^{-3}$	> 0.95
Rotating Platform	15 (2.9)	23 (4.5)	$\chi^2 = 1.3822$	> 0.10
Other	1 (0.19)	0 (0.0)	Fisher	1.0000
Number of Patients	514	255		
Regional Anesthetic, No.	339 (66.0)	177 (69.4)	$\chi^2 = 7.7345 \times 10^{-1}$	> 0.25

* Values are number (%) for dichotomous variables.

† P values were generated by χ^2 analysis for dichotomous variables when all incidences > 5, and Fisher Exact test for dichotomous variables when at least one incidence ≤ 5

Explanation of Abbreviation: Number (No.)

Table E-3. Follow Up Duration

Characteristics	Unilateral*	Bilateral*	Test Stat	P Value [†]
Number of Patients	514	255		
Did Not Complete 30-Day Follow Up, No.	2 (0.39)	0 (0.0)	Fisher	1.0000
Did Not Complete 1-Year Follow Up, No.	38 (7.4)	12 (4.7)	$\chi^2 = 1.6065$	> 0.10

* Values are number (%) for dichotomous variables.

† P values were generated by χ^2 analysis for dichotomous variables when all incidences > 5, and Fisher Exact test for dichotomous variables when at least one incidence ≤ 5.

Explanation of Abbreviation: Number (No.)