

TABLE E-1 Cortisol-to-Creatinine Clearance Ratios

Group I: Total Knee Replacement				Group II: Knee Arthroscopy			
Patient	Preop Cortisol-to-Creatinine Clearance Ratio	Postop Cortisol-to-Creatinine Clearance Ratio	Day 3 Cortisol-to-Creatinine Clearance Ratio	Patient	Preop Cortisol-to-Creatinine Clearance Ratio	Postop Cortisol-to-Creatinine Clearance Ratio	Day 3 Cortisol-to-Creatinine Clearance Ratio
1	0.525	5.343	2.704	16	0.164	0.111	N/A
2	0.160	5.451	0.597	17	0.325	1.269	N/A
3	0.163	2.155	1.603	18	0.477	0.372	N/A
4	0.118	1.694	1.115	19	0.281	0.187	N/A
5	0.061	1.666	3.941	20	0.171	0.636	N/A
6	0.059	0.252	1.160	21	0.211	0.728	N/A
7	0.055	1.934	1.660	22	0.198	0.220	N/A
8	0.081	0.728	0.424	23	0.248	0.438	N/A
9	0.148	2.524	5.001	24	0.144	0.206	N/A
10	0.112	0.206	1.997	25	0.159	0.252	N/A
11	0.153	13.768	0.839	26	0.158	0.922	N/A
12	0.385	3.307	1.548	27	0.094	0.083	N/A
13	0.304	10.892	4.593	28	0.102	0.089	N/A
14	0.188	4.558	1.617	29	0.265	0.156	N/A
15	0.328	5.854	4.754	30	0.296	1.230	N/A
Mean	0.189	4.022	2.237	Mean	0.220	0.460	
Std Dev	0.140	3.880	1.570	Std Dev	0.099	0.406	
Median	0.150	2.520*†	1.620*	Median	0.198	0.252†+	

*p<0.001; postoperative cortisol-to-creatinine clearance ratio (both on Day 1 and Day 3) increased compared with preoperative cortisol-to-creatinine clearance ratio in patients treated with total knee arthroplasty. †p<0.001 (Mann-Whitney test); change in cortisol-to-creatinine clearance ratios from preoperative to postoperative levels in patients treated with total knee arthroplasty compared with patients treated with knee arthroscopy. +p=0.44 (not significant); postoperative cortisol-to-creatinine clearance ratio compared with preoperative cortisol-to-creatinine clearance ratio in patients treated with knee arthroscopy.

TABLE E-2 Demographic and Surgical Parameters

Procedure	Age (Yrs)	Weight (Lbs)	BMI*	Length of Surgery (Min)
Total knee arthroplasty				
Median	71	176.0	28.8	93.0
Std Dev	12.7	38.8	6.4	14.3
Arthroscopy				
Median	35.0	200.0	30.3	64.0
Std Dev	17.6	37.3	3.9	34.0
P value	<0.001	0.18	0.63	0.003

*BMI = Body Mass Index