

**Appendix**

TABLE E-1 Intragroup Comparison of Patient Characteristics, as Stratified by Failure and Success of Treatment at 1-Year Follow-up\*

	Acute Post-Surgical (N = 147)			Acute Hematogenous (N = 52)		
	Failure (N = 46)	Success (N = 101)	P Value	Failure (N = 29)	Success (N = 23)	P Value
Age† ( <i>yr</i> )	62.4 ± 13.0	62.9 ± 12.3	0.841	68.8 ± 11.4	68.5 ± 12.0	0.946
Sex: male	29 (63.0%)	48 (47.5%)	0.109	12 (41.4%)	15 (65.2%)	0.103
Ethnicity: white	40 (87.0%)	83 (82.2%)	0.100	24 (82.8%)	20 (87.0%)	0.900
BMI† ( <i>kg/m<sup>2</sup></i> )	33.1 ± 8.4	32.8 ± 7.7	0.863	33.1 ± 10.8	32.3 ± 5.8	0.755
CCI†	1.0 ± 1.6	0.4 ± 1.1	0.035	1.8 ± 2.4	1.1 ± 1.9	0.401
Distribution			0.045			0.510
1	8 (17.4%)	17 (16.8%)		7 (24.1%)	3 (13.0%)	
2	9 (19.6%)	6 (5.9%)		2 (6.9%)	3 (13.0%)	
≥3	4 (8.7%)	6 (5.9%)		9 (31.0%)	4 (17.4%)	
Joint: knee	33 (71.7%)	61 (60.4%)	0.200	23 (79.3%)	20 (87.0%)	0.714
Laterality: left	27 (58.7%)	52 (51.5%)	0.477	19 (65.5%)	12 (52.2%)	0.400
Index surgery			0.003			1.00
Primary	25 (54.3%)	80 (79.2%)		24 (82.8%)	20 (87.0%)	
Revision	21 (45.7%)	21 (20.8%)		5 (17.2%)	3 (13.0%)	
Time from surgery† ( <i>days</i> )	25.2 ± 17.8	23.8 ± 15.7	0.627	1,759 ± 1,548	1,270 ± 1,424	0.294

\*The values are given as the number with the percentage in parentheses, except where otherwise noted. †The values are given as the mean and standard deviation. BMI = body mass index, and CCI = Charlson Comorbidity Index.

TABLE E-2 Intragroup Analysis of Clinical Findings and Laboratory Results, as Stratified by Failure and Success Following Irrigation and Debridement\*

	Acute Post-Surgical (N = 147)			Acute Hematogenous (N = 52)		
	Failure (N = 46)	Success (N = 101)	P Value	Failure (N = 29)	Success (N = 23)	P Value
Purulence	22 (47.8%)	33 (32.7%)	0.098	17 (58.6%)	14 (60.9%)	1.00
Tachycardia ( <i>rate/min</i> )	106.2 ± 23.8	94.2 ± 18.4	0.046	105.6 ± 25.1	102.5 ± 20.6	0.799
Fever ( <i>°C</i> )	38.0 ± 0.9	37.6 ± 0.7	0.039	38.3 ± 1.1	38.1 ± 1.1	0.721
Systolic blood pressure ( <i>mm Hg</i> )	158.0 ± 16.4	146.4 ± 16.9	0.025	149.0 ± 14.4	145.3 ± 17.6	0.555
Serum ESR ( <i>mm/hr</i> )	83.1 ± 26.4	71.2 ± 32.9	0.033	78.4 ± 30.6	88.7 ± 32.0	0.254
Serum CRP ( <i>mg/dL</i> )	16.2 ± 11.4	11.5 ± 10.2	0.016	21.0 ± 9.8	16.4 ± 12.4	0.408
Serum WBC ( <i>×10<sup>9</sup>/L</i> )	10.9 ± 4.6	10.4 ± 3.7	0.448	14.1 ± 6.0	13.9 ± 7.7	0.943
Synovial WBC ( <i>×10<sup>4</sup> cells/<math>\mu</math>L</i> )	5.2 ± 6.8	3.6 ± 8.1	0.454	12.2 ± 20.6	8.7 ± 9.5	0.504

\*The values are given as the mean and standard deviation, with the exception of purulence, which is given as the number with the percentage in parentheses. ESR = erythrocyte sedimentation rate, CRP = C-reactive protein, and WBC = white blood cell.

TABLE E-3 Intragroup Analysis of Organism Profiles, as Stratified by Failure and Success Following Irrigation and Debridement\*

	Acute Post-Surgical (N = 147)			Acute Hematogenous (N = 52)		
	Failure (N = 46)	Success (N = 101)	P Value	Failure (N = 29)	Success (N = 23)	P Value
<i>Staphylococcus aureus</i>	28 (60.9%)	59 (58.4%)	0.852	15 (51.7%)	11 (47.8%)	1.00
Antibiotic-resistant (VRE, MRSA, or MRSE)	16 (34.8%)	12 (11.9%)	<0.01	4 (13.8%)	3 (13.0%)	1.00
Polymicrobial	14 (30.4%)	16 (15.8%)	0.049	6 (20.7%)	1 (4.3%)	0.117
Streptococcus	6 (13.0%)	11 (10.9%)	0.782	9 (31.0%)	8 (34.8%)	1.000
Gram-negative	7 (15.2%)	16 (15.8%)	1.00	4 (13.8%)	1 (4.3%)	0.368
Enterococcus	7 (15.2%)	5 (5.0%)	0.05	0 (0%)	0 (0%)	—

\*VRE= vancomycin-resistant Enterococcus, MRSA = methicillin-resistant *S. aureus*, and MRSE = methicillin-resistant *S. epidermidis*.