

Appendix E-1

TABLE E-1 Characteristics of 36 Patients with PJI Defined by the Proposed EBJIS Criteria with a False-Negative ADLF Test*

Case	Sex, Age (yr)	Joint	RBC (per nL)	IDSA	MSIS	CRP (mg/L)	LE Strip Test	Microbiology	Pathology†	Surgery	Leukocyte Count (cells/ μ L)	PMN (%)	Pus or Sinus Tract (ST)	Temporal Appearance	Acute or Chronic
1	M, 87	Knee	37	PJI	AF	8.4	NR	Negative	Type 3	Yes	2,064	22.72	No	Late	Chronic
2	M, 68	Hip	40	AF	AF	2.1	1+	Negative	Type 1	Yes	10,050	57.91	No	Late	Chronic
3	F, 84	Knee	7	AF	AF	4.0	2+	Negative	NA	Yes	2,079	37.95	No	Late	Chronic
4	M, 77	Hip	74	PJI	AF	51.9	NR	CNS in sonication	NA	Yes	3,490	96.56	No	Early	Chronic
5	F, 86	Knee	115	PJI	AF	0.9	NR	Negative	Type 3	Yes	259	26.25	No	Late	Chronic
6	F, 76	Hip	18	AF	AF	NA	1+	Negative	Type 4	Yes	3,320	24.91	No	Late	Chronic
7	F, 59	Knee	11	AF	AF	6.2	1+	Negative	NA	Yes	3,727	NA	No	Late	Chronic
8	M, 82	Hip	98	AF	AF	0.8	NR	Negative	Type 1	Yes	2,079	40.84	No	Late	Chronic
9	F, 66	Knee	1	PJI	AF	5.7	1+	<i>Streptococcus sanguinis</i> (1/5 tissue)	Type 1, crystals	Yes	109	21.10	No	Late	Chronic
10	M, 75	Hip	24	AF	AF	<0.3	0	Negative	Type 1	Yes	16,380	47.27	No	Late	Chronic
11	M, 77	Hip	1,926	AF	AF	9.5	NR	Negative	NA	Yes	1,446	73.86	No	Delayed	Chronic
12	M, 74	Hip	127	PJI	PJI	15.6	NR	Negative	Type 3	Yes	498	53.61	ST	Early	Chronic
13	M, 76	Knee	53	PJI	AF	3.0	NR	Negative	Type 2	Yes	955	60.84	No	Delayed	Chronic
14	M, 80	Hip	632	PJI	PJI	10.1	NR	Negative	Type 2	Yes	3,242	65.27	ST	Early	Chronic
15	M, 84	Hip	NA	PJI	PJI	29.6	NR	Negative	NA	Yes	NA	NA	ST	Early	Chronic
16	M, 77	Knee	2,380	AF	AF	2.1	NR	Negative	Type 4	Yes	2,890	60.90	No	Late	Chronic
17	M, 62	Knee	13	PJI	PJI	1.5	0	Negative	Type 4	Yes	366	64.21	ST	Late	Chronic
18	M, 69	Knee	13	PJI	AF	1.3	0	Negative	Type 3	Yes	1,041	24.11	No	Late	Chronic
19	M, 78	Hip	610	AF	AF	5.2	NR	Negative	Type 4	Yes	2,650	56.60	No	Late	Chronic
20	M, 82	Hip	400	AF	AF	1.9	NR	Negative	Type 4	Yes	4,970	77.46	No	Late	Chronic
21	F, 69	Knee	1	AF	AF	12.3	0	Negative	Type 4	Yes	2,473	30.13	No	Late	Chronic
22	F, 41	Knee	12	PJI	PJI	50.5	1+	Mixed gram-negative	Type 2	Yes	489	13.70	ST	Delayed	Chronic
23	F, 66	Knee	18	AF	AF	1.1	1+	Negative	Type 4	Yes	8,439	26.58	No	Late	Chronic
24	M, 54	Hip	332	PJI	PJI	1.3	NR	CNS in SF (2 $\times$)	Type 2	Yes	386	47.41	No	Delayed	Chronic
25	M, 51	Knee	27	PJI	AF	1.7	0	Negative	Type 2	Yes	1,033	38.72	No	Delayed	Chronic
26	F, 76	Knee	62	AF	AF	14.3	0	Negative	NA	No	983	70.19	No	Late	Chronic
27	M, 74	Knee	1,232	AF	AF	3.5	NR	Negative	NA	No	3,199	42.29	No	Delayed	Chronic
28	F, 66	Knee	NA	AF	AF	18.5	0	Negative	Type 1	Yes	1,584	77.65	No	Late	Chronic
29	M, 72	Knee	NA	AF	AF	1.1	1+	Negative	NA	No	2,513	62.12	No	Late	Chronic

30	M, 83	Knee	54	PJI	PJI	40.7	NR	Negative	Type 1	Yes	19,131	86.92	Pus	Delayed	Acute
31	F, 73	Hip	30	PJI	AF	0.5	1+	Negative	Type 3	Yes	2,154	38.63	No	Late	Chronic
32	F, 65	Hip	40	AF	AF	7.3	1+	Negative	NA	No	3,170	13.63	No	Late	Chronic
33	F, 61	Knee	1	PJI	AF	0.9	0	Negative	Type 2	Yes	261	36.0	No	Delayed	Chronic
34	F, 59	Knee	5	AF	AF	3.7	0	Negative	Type 1	Yes	2,964	41.3	No	Late	Chronic
35	F, 73	Hip	66	AF	AF	0.6	NR	Negative	NA	Yes	6,810	29.7	No	Late	Chronic
36	F, 74	Knee	3	PJI	AF	0.3	0	Negative	Type 3	Yes	279	13.9	No	Late	Chronic

*PJI = periprosthetic joint infection, EBJIS = European Bone and Joint Infection Society, ADLF = alpha defensin lateral flow, RBC = red blood-cell count, IDSA = Infectious Diseases Society of America, MSIS = Musculoskeletal Infection Society, CRP = C-reactive protein, LE = leukocyte esterase, PMN = polymorphonuclear cells (granulocytes), AF = aseptic failure, NR = not readable, NA = not available, CNS = coagulase-negative staphylococci, and SF = synovial fluid. †Classified according to Krenn et al.³⁸.