

Supplementary Table 1. Comparison of Patients with SAB and non-SAB

Characteristic	SAB (n = 100)	Non-SAB (n = 58)	Total (n = 158)	p value
Age (yr)	62 ± 14.7	66.7 ± 11.5	63.7 ± 13.8	0.038
Male	50 (50.0)	31 (53.4)	81 (51.3)	0.676
Hospital duration (d)	22 (14–36)	19 (12–28)	21 (13–33)	0.232
Comorbidities				
Hypertension	83 (83.0)	49 (84.5)	132 (83.5)	0.809
Diabetes mellitus	56 (56.0)	35 (60.3)	91 (57.6)	0.594
Coronary artery disease	15 (15.0)	6 (10.3)	21 (13.3)	0.406
Stroke	7 (7.0)	4 (6.9)	11 (7.0)	> 0.999
Congestive heart disease	4 (4.0)	1 (1.7)	5 (3.2)	0.653
Liver cirrhosis	2 (2.0)	1 (1.7)	3 (1.9)	> 0.999
Immunocompromised	0	3 (5.2)	3 (1.9)	0.048
Polycystic kidney disease	0	1 (1.7)	1 (0.6)	0.367
Type of VA				
TCC	17 (17.0)	12 (20.7)	29 (18.4)	0.564
AVF	11 (11.0)	5 (8.6)	16 (10.1)	0.633
AVG	72 (72.0)	41 (70.7)	113 (71.5)	0.860
Location of VA				
Neck	18 (18.0)	12 (20.7)	30 (19)	0.678
Upper arm	47 (47.0)	27 (46.6)	74 (46.8)	0.957
Forearm	34 (34.0)	16 (27.6)	50 (31.6)	0.403
Thigh	1 (1.0)	3 (5.2)	4 (2.5)	0.140
MRSA colonization ^{a)}	11/60 (18.3)	4/34 (11.8)	15/94 (16.0)	0.560
Positive wound culture ^{b)}	82/96 (85.4)	27/52 (51.9)	109/148 (73.6)	< 0.001
Metastatic infections	21 (21.0)	5 (8.6)	26 (16.5)	0.043
Septic shock	4 (4.0)	1 (1.7)	5 (3.2)	0.653
ICU care	9 (9.0)	3 (5.2)	12 (7.6)	0.537
Antibiotic duration (d)	27 (17–35)	22 (16–33)	23 (17–34)	0.317
Surgical intervention	96 (96.0)	53 (91.4)	149 (94.3)	0.290
Re-operation	43 (43.0)	14 (24.1)	57 (36.1)	0.017
Clinical outcome				
All-cause mortality	6 (6.0)	1 (1.7)	7 (4.4)	0.424
90-day recurrence	6/76 (7.9)	3/46 (6.5)	9/122(7.4)	> 0.999
90-day infection related treatment failure	12/80 (15.0)	3/46 (6.5)	15/126 (11.9)	0.253

Values are presented as mean ± standard deviation, number (%), or median (interquartile range).

SAB, *Staphylococcus aureus* bacteremia; VA, vascular access; TCC, tunneled cuffed catheter; AVF, arteriovenous fistula; AVG, arteriovenous graft; MRSA, methicillin-resistant *Staphylococcus aureus*; ICU, intensive care unit.

^{a)}The denominator is the number of patients who collected nasal swab specimens to detect MRSA colonization.

^{b)}The denominator refers to the number of patients who underwent microbiologic culture for non-blood specimens.