

Supplementary Table 1. Preoperative Patients' Data

Case	Sex/age (yr)	Side	Symptom duration (day)	CKD	Smoking history	Height (cm)	Weight (kg)	BMI (kg/m ²)	ABI	Wound location	Previous operation
1	F/63	Right	16	-	-	159.0	71.0	28.10	0.81	Central forefoot	Debridement
2	M/63	Left	20	-	-	163.0	51.0	19.20	0.93	Lateral forefoot	4th, 5th Ray
3	M/65	Left	14	-	-	161.0	63.0	24.30	1.06	Medial forefoot	Debridement
4	M/56	Left	5	+	+	160.0	85.5	33.40	0.55	Lateral forefoot	Debridement
5	M/55	Right	10	+	-	165.4	63.6	23.25		3rd, 4th toe	
6	M/56	Right	50	+	-	164.4	64.5	23.86	0.80	Lateral forefoot	2nd, 3rd, 4th toe disarticulation
7	M/58	Left	45	+	-	180.3	93.0	27.77		Big toe	Debridement
8	M/52	Left	5	+	-	176.0	54.0	17.43		Lateral forefoot	Debridement
9	M/61	Left	30	+	-	178.0	80.0	25.20	1.05	Lateral forefoot	5th metatarsal partial resection
10	M/55	Left	7	+	-	160.0	69.0	26.95		Central forefoot	3rd, 4th Ray
11	M/55	Left	3	-	+	176.0	75.0	24.21		Lateral forefoot	
12	M/63	Left	30	+	-	168.0	64.0	22.70	0.55	Lateral midfoot	4th toe disarticulation
13	M/75	Right	30	+	-	170.0	53.0	18.30	1.22	Lateral midfoot	3rd, 4th, 5th Ray
14	M/62	Right	3	+	-	165.5	67.5	24.80	1.22	Central midfoot	2nd, 3rd Ray

CKD: chronic kidney disease, BMI: body mass index, ABI: Ankle-Brachial Index, Ray: ray amputation of metatarsal bone, F: female, M: male.

Supplementary Table 2. Postoperative Patients' Data

Cases	Sex/age (yr)	Wound location	Ray amputation option	Used part during fillet flap	Operation time (min)	Hospital stay (day)	Complication (postoperative date)	Initial healing (day)	Complete healing days	Microorganism
1	F/63	Central forefoot	TMT	3rd toe	70	50	Revision for necrosis (2 wk)	38	46	MRSA
2	M/63	Lateral forefoot	TMT	3rd toe, 3rd MT (partial)	70	66	Revision for necrosis (8 wk)	42	96	MR-CNS
3	M/65	Medial forefoot	1st, 2nd Ray	Big, 2nd toe	15	30		48	324	MR-CNS
4	M/56	Lateral forefoot	2nd, 3rd Ray	Big toe, 1st MT (partial)	65	112	Skin graft for necrosis (6 wk)	56	89	MRSA
5	M/55	3rd, 4th toe	3rd, 4th Ray	3rd, 4th toe (partial)	30	25		59	108	<i>S. marcescens</i>
6	M/56	Lateral forefoot	1st, 5th Ray	Big, 5th toe	105	26	Chopart amputation (8 mo)	181	293	<i>S. marcescens</i>
7	M/58	Big toe	1st Ray	Big toe (partial)	65	26		25	25	<i>S. agalactiae</i>
8	M/52	Lateral forefoot	5th Ray	5th toe	30	18		20	48	<i>C. albicans</i>
9	M/61	Lateral forefoot	4th, 5th Ray	5th toe	45	29	TMT (2 mo)	56	176	MRSA, VRE
10	M/55	Central forefoot	2nd to 5th Ray	2nd toe (partial)	44	29		37	86	MRSA
11	M/55	Lateral forefoot	4th, 5th Ray	5th toe	40	27		53	60	CRPA
12	M/63	Lateral midfoot	4th, 5th Lisfranc	1st to 5th MT (partial)	45	143	BK amputation (2 wk)	87	95	MRSA
13	M/75	Lateral midfoot	1st to 5th Lisfranc	1st to 2nd MT (partial)	45	213	TMT (4 mo)	173	181	MRSA
14	M/62	Central midfoot	1st to 5th Lisfranc	1st to 5th MT (partial)	30	46		114	179	MSSA

TMT: trans-metatarsal amputation, MT: metatarsal, Ray: ray amputation of metatarsal bone, Lisfranc: Lisfranc disarticulation, BK: below knee, MRSA: methicillin-resistant *Staphylococcus aureus*, MR-CNS: methicillin-resistant coagulase-negative *Staphylococcus*, *S. marcescens*: *Serratia marcescens*, *S. agalactiae*: *Streptococcus agalactiae*, *C. albicans*: *Candida albicans*, VRE: vancomycin-resistant *Enterococcus*, CRPA: carbapenem-resistant *Pseudomonas aeruginosa*, MSSA: methicillin-sensitive *Staphylococcus aureus*.