

APPENDIX

Univariate analysis of post-procedure outcomes.

Variable	Odds ratio (95% confidence interval), p-value						
	Unplanned 30-day readmission	30-day mortality	6-mth mortality	1-yr mortality	Amputation at 2 yr	Ambulatory at 6 mth	Ambulatory at 1 yr
Gender	1.01 (0.52–2.02), 0.98	0.51 (0.18–1.44), 0.21	0.80 (0.38–1.70), 0.55	0.74 (0.38–1.44), 0.36	1.05 (0.57–1.93), 0.89	1.22 (0.70–2.13), 0.49	1.30 (0.74–2.27), 0.37
Age	0.99 (0.96–1.02), 0.50	1.02 (0.98–1.08), 0.34	1.03 (0.99–1.07), 0.11	1.02 (0.99–1.05), 0.27	1.01 (0.98–1.04), 0.50	0.98 (0.95–1.00), 0.91	0.98 (0.96–1.01), 0.12
Ethnicity							
Malay	1.44 (0.58–3.41), 0.41	0.62 (0.09–2.38), 0.54	0.76 (0.24–2.01), 0.60	1.22 (0.49–2.82), 0.65	1.95 (0.89–4.25), 0.09	0.68 (0.30–1.49), 0.35	0.70 (0.31–1.53), 0.39
Indian	0.75 (0.26–1.88), 0.56	0.31 (0.02–1.64), 0.26	0.28 (0.04–1.02), 0.10	0.46 (0.13–1.30), 0.18	0.43 (0.14–1.12), 0.11	3.00 (1.35–7.07), 0.01 [†]	2.34 (1.07–5.29), 0.04 [†]
Others	NA*, 0.99	NA*, 0.99	NA*, 0.99	NA*, 0.99	0.59 (0.03–4.11), 0.64	NA*, 0.99	NA*, 0.99
Employment status							
Retired	1.65 (0.74–3.86), 0.23	5.27 (0.90–99.98), 0.12	12.79 (2.48–234.84), 0.02 [†]	2.99 (1.11–9.53), 0.04 [†]	1.96 (0.91–4.39), 0.09	0.26 (0.12–0.52), 0.000173 [†]	0.31 (0.15–0.61), 0.000955 [†]
Unemployed	1.37 (0.56–3.42), 0.49	8.29 (1.45–156.25), 0.05 [†]	20.98 (4.08–384.92), < 0.05 [†]	5.66 (2.12–18.02), < 0.05 [†]	2.05 (0.92–4.76), 0.08	0.26 (0.12–0.55), < 0.05 [†]	0.22 (0.10–0.46), < 0.05 [†]
Mobility status							
Preoperative ambulant	0.80 (0.40–1.66), 0.54	0.29 (0.10–0.82), 0.02 [†]	0.36 (0.17–0.78), 0.01 [†]	0.32 (0.16–0.64), < 0.05 [†]	0.60 (0.32–1.14), 0.12	3.82 (2.00–7.65), < 0.05 [†]	5.09 (2.57–10.75), < 0.05 [†]
Functional status							
Preoperative impaired	1.97 (0.97–3.94), 0.06	3.18 (1.13–9.30), 0.03 [†]	2.93 (1.37–6.34), 0.01 [†]	4.05 (2.04–8.17), < 0.05 [†]	2.03 (1.09–3.81), 0.03 [†]	0.26 (0.13–0.50), < 0.05 [†]	0.23 (0.11–0.44), < 0.05 [†]
Comorbidity							
Smoker	1.11 (0.56–2.18), 0.75	0.34 (0.08–1.10), 0.10	0.64 (0.28–1.39), 0.28	0.57 (0.27–1.15), 0.12	0.61 (0.32–1.13), 0.12	1.17 (0.67–2.05), 0.59	1.29 (0.73–2.26), 0.38
Body mass index	0.90 (0.82–0.98), 0.02 [†]	0.96 (0.84–1.09), 0.56	0.92 (0.83–1.01), 0.09	0.94 (0.86–1.02), 0.12	0.99 (0.92–1.06), 0.73	0.98 (0.91–1.05), 0.51	0.97 (0.90–1.03), 0.31 [†]
T2DM	1.27 (0.44–4.61), 0.68	0.87 (0.22–5.75), 0.85	0.89 (0.31–3.25), 0.85	1.01 (0.38–3.20), 0.99	1.24 (0.49–3.59), 0.67	0.52 (0.21–1.24), 0.14	0.48 (0.19–1.16), 0.11
Hypertension	NA*, 0.99	0.39 (0.09–2.67), 0.25	0.35 (0.10–1.39), 0.10	0.54 (0.16–2.09), 0.33	1.30 (0.37–6.02), 0.70	1.23 (0.38–4.26), 0.74	0.81 (0.24–2.66), 0.72
Hyperlipidaemia	1.78 (0.69–5.50), 0.27	1.36 (0.36–8.91), 0.70	1.46 (0.52–5.20), 0.51	1.68 (0.66–5.21), 0.31	0.83 (0.38–1.89), 0.64	1.63 (0.77–3.62), 0.21	1.52 (0.72–3.38), 0.28
Ischaemic heart disease	0.72 (0.37–1.42), 0.34	3.33 (1.03–14.87), 0.07	3.05 (1.32–7.96), 0.01 [†]	2.63 (1.28–5.77), 0.01 [†]	1.18 (0.65–2.19), 0.59	0.66 (0.38–1.15), 0.15	0.65 (0.37–1.13), 0.13
Atrial fibrillation	0.53 (0.15–1.47), 0.26	1.29 (0.28–4.31), 0.71	1.99 (0.77–4.78), 0.14	2.16 (0.93–4.84), 0.07	1.08 (0.46–2.38), 0.86	0.88 (0.41–1.88), 0.75	0.81 (0.37–1.73), 0.60

Congestive heart failure	0.89 (0.28–2.37), 0.82	0.54 (0.03–2.88), 0.56	1.64 (0.51–4.54), 0.37	1.39 (0.47–3.64), 0.52	0.49 (0.14–1.37), 0.21	0.96 (0.39–2.33), 0.93	1.02 (0.41–2.49), 0.96
Stroke/TIA	1.08 (0.45–2.41), 0.86	0.64 (0.10–2.42), 0.56	0.59 (0.17–1.62), 0.34	0.65 (0.23–1.57), 0.36	1.78 (0.84–3.71), 0.12	0.42 (0.19–0.89), 0.03 [†]	0.53 (0.24–1.10), 0.10
CKD	3.22 (1.58–6.92), < 0.05 [†]	6.51 (1.76–42.15), 0.01 [†]	4.55 (1.90–12.69), < 0.05 [†]	3.72 (1.79–8.40), < 0.05 [†]	1.79 (0.98–3.35), 0.06	0.17 (0.09–0.30), < 0.05 [†]	0.16 (0.09–0.29), < 0.05 [†]
ESRF	3.45 (1.74–7.05), < 0.05 [†]	10.59 (2.85–68.68), < 0.05 [†]	5.19 (2.3–12.93), < 0.05 [†]	3.83 (1.92–7.97), < 0.05 [†]	1.60 (0.88–2.92), 0.12	0.17 (0.09–0.31), < 0.05 [†]	0.14 (0.07–0.26), < 0.05 [†]
Previous contralateral major amputation	3.37 (1.42–7.88), 0.01 [†]	0.87 (0.13–3.34), 0.86	0.86 (0.24–2.42), 0.79	1.87 (0.75–4.39), 0.16	2.14 (0.95–4.77), 0.06	0.32 (0.12–0.75), 0.01 [†]	0.27 (0.10–0.66), 0.01 [†]
Examination finding							
Rutherford score	1.77 (1.07–3.00), 0.03 [†]	1.26 (0.59–2.79), 0.56	1.09 (0.63–1.90), 0.77	1.15 (0.71–1.89), 0.58	1.72 (1.09–2.76), 0.02 [†]	0.45 (0.29–0.69), < 0.05 [†]	0.40 (0.25–0.61), < 0.05 [†]
Wifl score	1.06 (0.90–1.24), 0.51	1.06 (0.84–1.37), 0.63	1.03 (0.86–1.23), 0.77	1.09 (0.93–1.28), 0.29	1.20 (1.03–1.39), 0.02 [†]	0.72 (0.62–0.83), < 0.05 [†]	0.70 (0.60–0.81), < 0.05 [†]
Duration of wound symptoms	1.00 (1.00–1.00), 0.52	1.00 (0.99–1.00), 0.42	0.99 (0.99–1.99), 0.09	1.00 (0.99–1.00), 0.10	1.00 (0.99–1.00), 0.20	1.00 (1.00–1.00), 0.68	1.00 (1.00–1.00), 0.78
Laboratory value							
Haemoglobin	0.79 (0.65–0.95), 0.02 [†]	0.93 (0.70–1.21), 0.61	0.79 (0.63–0.97), 0.03 [†]	0.78 (0.64–0.94), 0.01 [†]	0.80 (0.67–0.95), 0.01 [†]	1.38 (1.18–1.63), < 0.05 [†]	1.46 (1.24–1.73), < 0.05 [†]
Albumin	0.95 (0.90–1.01), 0.09	0.87 (0.79–0.96), 0.01 [†]	0.85 (0.78–0.91), < 0.05 [†]	0.85 (0.78–0.9), < 0.05 [†]	0.97 (0.92–1.02), 0.17	1.11 (1.05–1.17), < 0.05 [†]	1.12 (1.07–1.91), < 0.05 [†]
HbA1C	0.94 (0.73–1.19), 0.64	0.75 (0.49–1.08), 0.15	0.81 (0.61–1.05), 0.13	0.87 (0.68–1.09), 0.23	1.10 (0.89–1.35), 0.37	1.16 (0.96–1.40), 0.13	1.20 (1.00–1.47), 0.06
Toe pressure	1.01 (0.99–1.02), 0.55	1.00 (0.98–1.03), 0.77	1.00 (0.98–1.01), 0.56	1.00 (0.98–1.01), 0.50	0.99 (0.98–1.01), 0.30	1.01 (1.00–1.02), 0.09	1.01 (1.00–1.03), 0.05 [†]
Treatment adjunct							
DEB/DES	1.07 (0.55–2.09), 0.84	0.57 (0.19–1.60), 0.29	0.91 (0.43–1.92), 0.80	0.98 (0.50–1.91), 0.94	0.94 (0.52–1.72), 0.84	1.64 (0.95–2.85), 0.08	1.15 (0.67–2.00), 0.61
Stenting	0.35 (0.05–1.29), 0.17	0.00 (NA), 7.56), 0.9	0.25 (0.01–1.27), 0.18	0.17 (0.01–0.87), 0.09	0.39 (0.09–1.21), 0.14	2.99 (1.15–8.75), 0.03 [†]	3.19 (1.22–9.34), 0.02 [†]

*Inestimable owing to 0 counts. †All outcomes were analysed on a patient level except for 30-day **unplanned readmission, which was analysed on a procedure level**. †p < 0.05 was considered as significant. CKD: chronic kidney disease; DEB/DES: drug-eluting balloon/stent; ESRF: end-stage renal failure; HbA1c: glycated haemoglobin; NA: not applicable; T2DM: Type 2 diabetes mellitus; TIA: transient ischaemic attack; Wifl: Wound, Infection and foot Ischaemia