

Factors associated with foot ulceration and amputation in adults on dialysis: a cross-sectional observational study

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Additional File 1 Intra-examiner reliability

Reliability statistics for intra-examiner comparisons for the monofilament test and palpation of pedal pulses are shown in Additional Table 1. Linear weighted kappa values equaled 1.0 (95% confidence interval, CI, 1.0 to 1.0) for all variables, indicating excellent levels of agreement. Absolute percentage of agreement ranged from 95 to 100%.

Additional Table 1 Intra-examiner reliability for dichotomous data

	Linear weighted kappa	95% CI	Absolute % agreement	Interpretation*
Monofilament				
Left	1.00	1.00 to 1.00	95	Excellent agreement
Right	1.00	1.00 to 1.00	95	Excellent agreement
Pedal pulses				
Left	1.00	1.00 to 1.00	95	Excellent agreement
Right	1.00	1.00 to 1.00	100	Excellent agreement

CI = Confidence interval. *Weighted kappa values >0.8 represent excellent agreement, >0.6 substantial levels of agreement, 0.4 to 0.6 moderate agreement and <0.4 poor to fair agreement.

Reliability statistics for intra-examiner comparisons for the vibration perception threshold, ankle-brachial pressure index, toe-brachial pressure index and range of motion of the first metatarsophalangeal joint were found to have good reliability and are shown in Additional Table 2. The 95% limits of agreement ranged between -4.21 to 4.72. Intra-class correlations coefficients (ICCs) and corresponding 95% confidence intervals (CIs) for the continuous variables (left and right, respectively) were: 0.99 (95% CI, 0.98 to 1.00) and 0.99 (95% CI, 0.97 to 1.00) for vibration perception threshold, 0.95 (0.87 to 0.98) and 0.91 (0.79 to 0.96) for ankle brachial pressure index, 0.87 (0.70 to 0.95) and 0.88 (0.72 to 0.95) for toe-brachial

pressure index, and 0.99 (0.97 to 0.99) and 0.99 (0.98 to 1.00) for first metatarsophalangeal joint range of motion.

Additional Table 2 Intra-examiner reliability for continuous data

	ICC	95% CI	95% LOA	Interpretation*
Vibration perception threshold				
Left	0.99	0.98 to 1.00	-2.89 to 3.51	Good reliability
Right	0.99	0.97 to 1.00	-4.21 to 4.72	Good reliability
Ankle-brachial pressure index				
Left	0.95	0.87 to 0.98	-0.16 to 0.18	Good reliability
Right	0.91	0.79 to 0.96	-0.17 to 0.24	Good reliability
Toe-brachial pressure index				
Left	0.87	0.70 to 0.95	-0.18 to 0.15	Good reliability
Right	0.88	0.72 to 0.95	-0.17 to 0.14	Good reliability
Range of motion (1st MTPJ)				
Left	0.99	0.97 to 0.99	-2.57 to 3.50	Good reliability
Right	0.99	0.98 to 1.00	-2.53 to 2.33	Good reliability

ICC = Intra-class correlation coefficient. CI = Confidence interval. LOA = Limits of agreement. *ICC values >0.75 indicate good reliability, ICCs ranging from 0.50 to 0.75 imply moderate reliability and ICCs <0.50 suggest poor reliability. MTPJ = Metatarsophalangeal joint.