

Appendix

This appendix was part of the submitted manuscript and has been peer reviewed. It is posted as supplied by the authors.

Supplementary Digital Content



Figure S1. Freestyle Libre glucometer scanning the sensor placed on a patient's right upper arm.

Table S1. Flash glucose accuracy according to vasopressor therapy.

Variable	No Vasopressor	Vasopressor	P value
No. of paired readings	95	90	
Bias (limits of agreement)	1.48 (-1.59 to 4.56)	1.30 (-1.78 to 4.39)	
MARD, % (95% CI)*	13 (11-16)	15 (12-17)	0.24
ISO15197:2013 criteria met, n (%)†	66/95 (69.5%)	53/90 (58.9%)	0.13
CLSI POCT 12-A3 criteria met, n (%)‡	58/95 (61.1%)	47/90 (52.2%)	0.23
Clarke Error Grid Zone, n (%)			0.39
A	72/95 (75.8%)	64/90 (71.1%)	
B	20/95 (21.1%)	25/90 (27.8%)	
C	0	0	
D	3/95 (3.2%)	1/90 (1.1%)	
E	0	0	
<p>Abbreviations: MARD, mean absolute relative difference; CLSI POCT, Clinical and Laboratory Standards Institute Point of Care Testing; ISO, International Organization for Standardization</p> <p>*<14% represents acceptable accuracy, >18% represents poor accuracy</p> <p>†No. (%) Flash glucose values within 15% of a reference glucose ≥ 5.6 mmol/l and within ± 0.80 mmol/l of a reference glucose <5.6 mmol/l</p> <p>‡No. (%) Flash glucose values within 12.5% of a reference glucose ≥ 5.6 mmol/l and within ± 0.67 mmol/l of a reference glucose <5.6 mmol/l</p>			

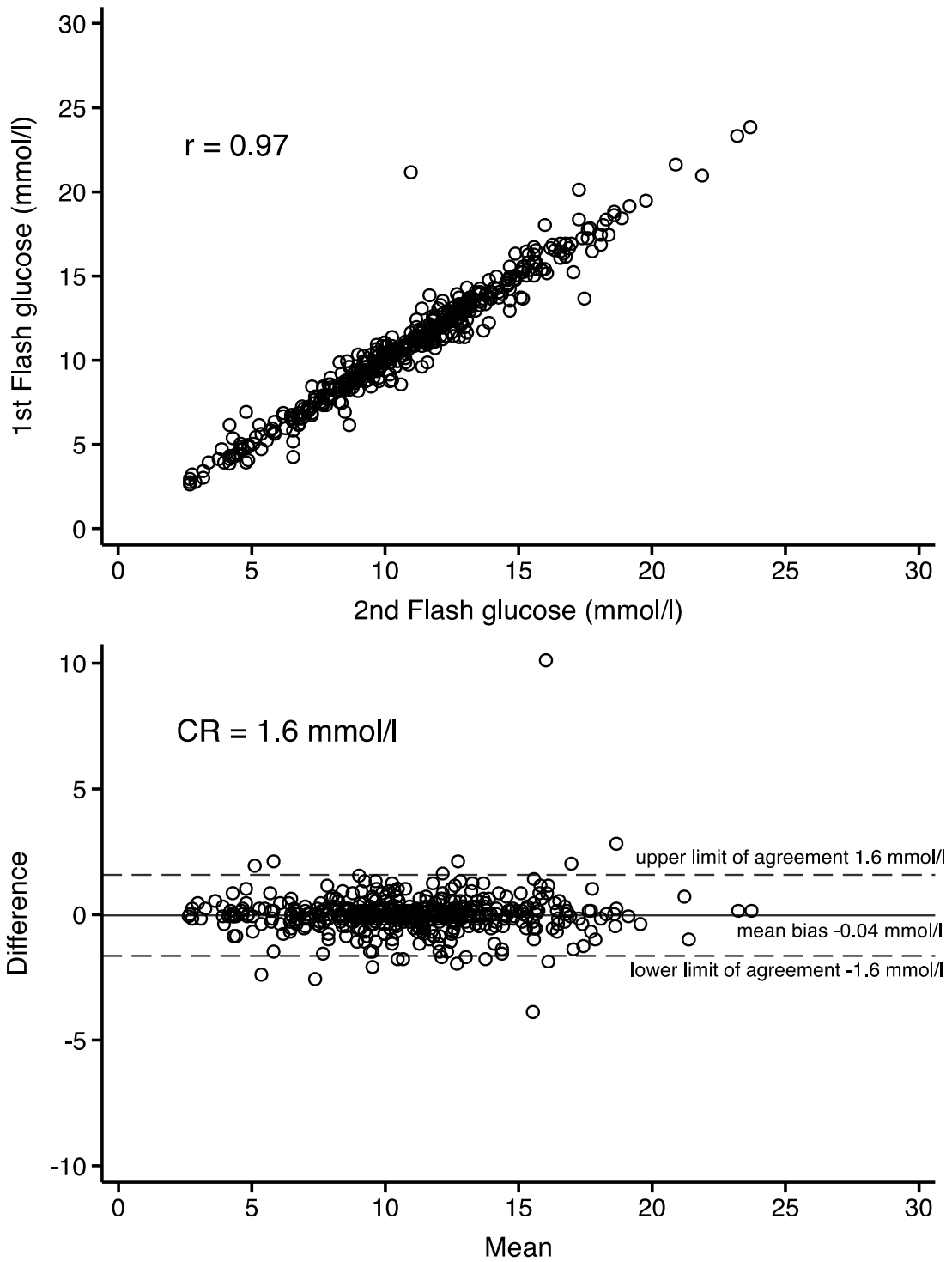


Figure S2. Relative (upper panel) and absolute (lower panel) test-retest reliability. Pearson's correlation coefficient (r) and Coefficient of Repeatability (CR) are displayed in the graph.