

SUPPLEMENTARY TABLE S3. COMPARISON OF CONTINUOUS GLUCOSE MONITORING AND REFERENCE GLUCOSE MEASUREMENTS COMPUTED OVER EACH HOSPITAL NIGHT AND DAY

	<i>Median (25th, 75th percentile)</i>			<i>Absolute value of the difference</i>	<i>r^b</i>	<i>P value</i>
	<i>Reference</i>	<i>CGM</i>	<i>Difference^a</i>			
Daytime (n=81)						
Mean glucose (mg/dL)	154 (132, 190)	155 (137, 182)	-4 (-14, 16)	14 (7, 21)	0.84	0.99
Percentage of values between 71 and 180 mg/dL (%)	60 (41, 75)	58 (43, 79)	1 (-6, 11)	9 (5, 14)	0.80	0.22
Percentage of values ≤ 70 mg/dL (%)	4 (0, 10)	0 (0, 9)	0 (-5, 0)	3 (0, 7)	0.47	0.02
Nadir glucose (mg/dL)	65 (57, 82)	75 (59, 95)	6 (-7, 17)	13 (6, 21)	0.60	0.02
Area under the curve 70 mg/dL	0.12 (0.00, 0.69)	0.00 (0.00, 0.33)	0.00 (-0.33, 0.12)	0.18 (0.00, 0.77)	0.41	0.61
Low Blood Glucose Index	0.9 (0.4, 1.9)	0.4 (0.1, 1.7)	-0.1 (-0.7, 0.1)	0.6 (0.1, 1.2)	0.71	0.04
Percentage of values > 180 mg/dL (%)	30 (17, 53)	33 (12, 55)	0 (-7, 7)	7 (3, 15)	0.84	0.89
Peak glucose (mg/dL)	263 (203, 319)	257 (202, 307)	-12 (-38, 10)	24 (12, 46)	0.88	0.005
Area under the curve 180 mg/dL	17.30 (2.82, 30.53)	12.99 (2.60, 23.10)	-0.88 (-8.74, 2.39)	6.62 (2.06, 13.05)	0.85	0.07
High Blood Glucose Index	6.5 (3.5, 12.0)	6.5 (3.2, 9.7)	-0.6 (-2.4, 1.7)	2.2 (1.0, 3.3)	0.85	0.16
Glucose CV (%)	35 (26, 42)	31 (25, 37)	-3 (-9, 0)	4 (1, 10)	0.84	<0.001
Nighttime (n=94)						
Mean glucose (mg/dL)	141 (116, 168)	135 (103, 171)	-6 (-19, 7)	13 (6, 25)	0.90	0.01
Percentage of values between 71 and 180 mg/dL (%)	71 (45, 88)	73 (39, 92)	0 (-8, 8)	8 (2, 19)	0.83	0.89
Percentage of values ≤ 70 mg/dL (%)	0 (0, 8)	0 (0, 11)	0 (0, 4)	0 (0, 8)	0.63	0.05
Nadir glucose (mg/dl)	83 (61, 114)	83 (59, 118)	-1 (-11, 14)	13 (6, 22)	0.79	0.67
Area under the curve 70 mg/dL	0.00 (0.00, 0.50)	0.00 (0.00, 0.49)	0.00 (0.00, 0.02)	0.00 (0.00, 0.73)	0.61	0.16
Low Blood Glucose Index	0.4 (0.0, 2.2)	0.4 (0.0, 2.4)	0.0 (-0.3, 0.9)	0.5 (0.0, 1.8)	0.84	0.42
Percentage of values > 180 mg/dL (%)	21 (0, 38)	10 (0, 38)	0 (-8, 0)	3 (0, 13)	0.90	0.07
Peak glucose (mg/dL)	203 (158, 236)	196 (155, 246)	-7 (-27, 13)	18 (8, 35)	0.90	0.01
Area under the curve 180 mg/dL	2.68 (0.00, 14.08)	0.72 (0.00, 11.42)	0.00 (-3.83, 0.00)	1.44 (0.00, 7.91)	0.89	0.006
High Blood Glucose Index	4.2 (1.1, 6.6)	3.2 (0.6, 6.8)	-0.3 (-2.0, 0.0)	1.1 (0.3, 2.6)	0.91	0.001
Glucose CV (%)	24 (16, 32)	20 (14, 31)	-3 (-6, 1)	5 (2, 7)	0.87	<0.001

^aContinuous glucose monitoring (CGM) – reference.

^bSpearman correlation

CV, coefficient of variation (SD/mean).