

**Appendix I.** Procedure 1 complete data

OBSERVATION	OBSERVED INTFG (mg/dL)	OBSERVED BG (mg/dL)	PREDICTED† BG (mg/dL)	DIFFERENCE BETWEEN PREDICTED BG and OBSERVED INTFG (mg/dL)
	(A)	(B)	(C)	(B-C)
1	73	135	130.426	57.426
2	104	145	152.958	48.958
3	117	141	162.407	45.407
4	117	149	162.407	45.407
5	81	113	136.24	55.24
6	129	190	171.129	42.129
7	83	133	137.694	54.694
8	83	142	137.694	54.694
9	87	141	140.601	53.601
10	72	118	129.699	57.699
11	89	142	142.055	53.055
12	84	158	138.421	54.421
13	122	168	166.041	44.041
14	94	124	145.689	51.689
15	104	139	152.958	48.958
16	96	135	147.143	51.143
17	87	129	140.601	53.601
18	102	117	151.504	49.504
19	101	122	150.777	49.777
20	74	104	131.152	57.152
21	111	179	158.046	47.046
22	81	133	136.24	55.24
23	86	136	139.875	53.875
24	111	149	158.046	47.046
25	74	129	131.152	57.152
26	67	125	126.065	59.065
27	98	176	148.597	50.597
28	74	146	131.152	57.152
29	73	149	130.426	57.426
30	56	142	118.069	62.069
31	62	140	122.43	60.43
32	54	128	116.616	62.616
33	64	121	123.884	59.884
34	91	143	143.509	52.509
35	103	172	152.231	49.231
36	72	125	129.699	57.699
37	77	111	133.333	56.333
38	125	222	168.221	43.221
39	61	107	121.703	60.703

40	95	154	146.416	51.416
41	75	129	131.879	56.879
42	78	136	134.06	56.06
43	106	147	154.411	48.411
44	100	165	150.05	50.05
45	80	131	135.513	55.513
46	63	137	123.157	60.157
47	69	127	127.518	58.518
48	68	121	126.791	58.791
49	66	138	125.338	59.338
50	60	130	120.977	60.977

Notes:  $\hat{Y} (BG_{\text{predicted}}) = 77.36616 + 0.72684(\text{IntFG})$ ; IntFG= interstitial fluid glucose (mg/dL); BG=blood glucose (mg/dL)

**Appendix II.** Procedure 2 complete data

OBSERVATION	OBSERVED BG (mg/dL)	OBSERVED INTFG 15 minutes after OBSERVED BG (mg/dL)	PREDICTED† BG (mg/dL)	DIFFERENCE BETWEEN PREDICTED BG and OBSERVED INTFG 15 minutes after (mg/dL)
1	158	89	135.074	46.074
2	156	96	140.907	44.907
3	146	70	119.239	49.239
4	133	99	143.408	44.408
5	154	97	141.741	44.741
6	158	125	165.077	40.077
7	158	112	154.242	42.242
8	160	123	163.41	40.41
9	128	86	132.573	46.573
10	131	110	152.575	42.575
11	153	96	140.907	44.907
12	130	107	150.075	43.075
13	133	95	140.074	45.074
14	118	75	123.406	48.406
15	114	76	124.239	48.239
16	126	88	134.24	46.24
17	153	93	138.407	45.407
18	121	94	139.241	45.241
19	109	79	126.739	47.739
20	113	69	118.405	49.405
21	121	77	125.072	48.072
22	136	92	137.574	45.574
23	176	108	150.908	42.908
24	128	66	115.905	49.905
25	106	62	112.571	50.571
26	118	59	110.071	51.071
27	133	95	140.074	45.074
28	110	77	125.072	48.072
29	152	81	128.406	47.406
30	114	64	114.238	50.238
31	122	88	134.24	46.24
32	125	86	132.573	46.573
33	120	89	135.074	46.074
34	143	114	155.909	41.909
35	161	92	137.574	45.574
36	114	83	130.073	47.073

37	105	56	107.571	51.571
38	115	78	125.906	47.906
39	109	62	112.571	50.571
40	126	87	133.407	46.407
41	126	77	125.072	48.072
42	106	70	119.239	49.239
43	128	57	108.404	51.404
44	122	85	131.74	46.74
45	161	78	125.906	47.906
46	113	75	123.406	48.406
47	120	75	123.406	48.406
48	169	105	148.408	43.408
49	189	127	166.743	39.743
50	147	102	145.908	43.908

Notes:  $\hat{Y}(\text{predicted})=60.89927+0.83342(\text{INTFG})$ ; INTFG= interstitial fluid glucose (mg/dL); BG=blood glucose (mg/dL)