Table S1. Studies of local soft tissue and intra-articular corticosteroid injection effects on blood glucose levels in patients with diabetes

Study	Condition	Site of Injection	Type of Steroid	N (DM:NDM)	Type of DM	Preinjection HbA1C (%) Levels / Baseline BGL	Peak BGL Increase	Time to Peak BGL	Time to Return to Baseline	Definition of Significant BGL Increase
Habib et al[10]	OA	Knee	MPA	9 (9:0)	T2	HgA1C <7.0	165-500 (mean, 320)	5-84 h (mean, 57 h)	42-102 h (mean, 65 h)	2 SD above mean baseline
Habib and Safia[12]	OA	Knee	CC	6 (6:0)	T2	HgA1C <7.0	251-430	2-34 hrs	18-72 hrs	2 SD above mean baseline
Habib and Miari[11]	OA	Knee	TAH	12 (12:0)	T2	HgA1C <7.0	239.5 (180-317)	32.5 (2-58)	74.5 h (60-102 h)	2 SD above mean baseline
			TA	12(12:0)			288 (249-316)	24.5 (12-50)	77 h (62-92 h)	

Habib and Abu-Ahmad[9]	AC, RCT, CT	Shoulder	MPA	18 (18:0)	T2	HgA1C 7.55 ± 1.089	Not stated	Day 7 after lunch and on day 1 after supper	Not stated	Statistically significant difference from baseline
Moon et al[15]	AC	Shoulder	TA	15 (7:8)	T2	HgA1C 6.5 ±0.6, BG 122. 3 ±15.5	Mean 135.8 ± 38.3	Day 1	Day 7	Statistically significant difference from baseline
Wang and Hutchinson[20]	TF	Hand	MPA	18 (18:0)	6 T1, 12 T2	None stated	Mean 150-250	AM on post-injection day 1	None stated, but decreased by day 5	Statistically significant difference from baseline
Kim et al[13]	TF, DQT, CTS, OA, WT	Hand, wrist	TA	25 (25:0)	5 T1, 20 T2	HgA1C 6.8 (range, 5.6-10); BG 117 (range, 87-160)	5 patients >180; 9 patients >50 from baseline	Day 1	5 days	BG >180 or over 50 (80%) above baseline

Catalano et al[7]	DQT, TF, CTS, FCUT	Hand, wrist	TA	23(23:0)	Not stated	HgA1C 6.6 (5.3-7.9); BG AM 125 (91-201) and PM 153 (110-200)	518 mg/dl (mean, 125-310)	Variable (immediate-4 weeks)	AM 7 days; PM 10 days	2 times the standard deviation of preinjection values or BG >180
Stepan et al[18]	DQT, TF, OA, CTS	Hand, wrist	MPA	40 (40:0)	7T1, 33T2	7.1 (6-10), 138	Mean pre- and post-injection difference in BGL 43.3 (95% CI, 19.4–67.1)	Day 1	Day 3	Mean 20 mg/dl difference from baseline BGL post-injection
Uboldi et al[19]	IA	Knee, wrist, shoulder, ankle	TA	16 (12:4)	Not stated	Not stated	Mean 120-140 in NDM and mean 140-175 in DM	2 hours in non-DM; 12 hours in DM	24 hours	Statistically significant difference from baseline

AC, adhesive capsulitis; BGL, blood glucose levels (reported as mg/dL); CC, celestone chronodose; CT, calcific tendinitis; CTS, carpal tunnel syndrome; DM, diabetes mellitus; DQT, DeQuervain's tenosynovitis; FCUT, flexor carpi ulnaris tendonitis; IA,

inflammatory arthritis; MPA, methylprednisolone acetate; NDM, non-diabetes mellitus; OA, osteoarthritis; RCT, rotator cuff

tear; TA, triamcinolone acetonide; TAH, triamcinolone hexacetonide; TF, trigger finger.