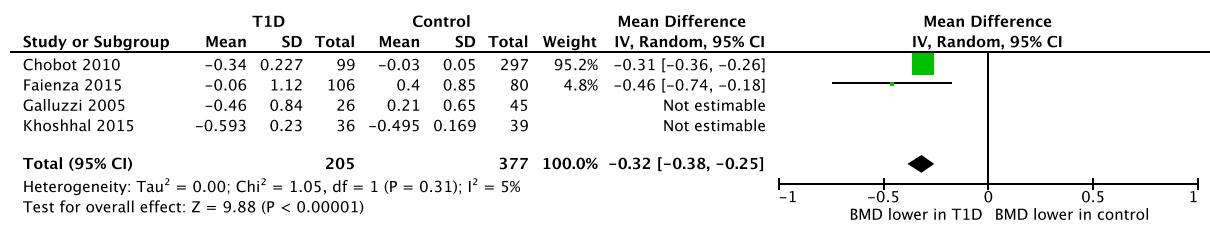
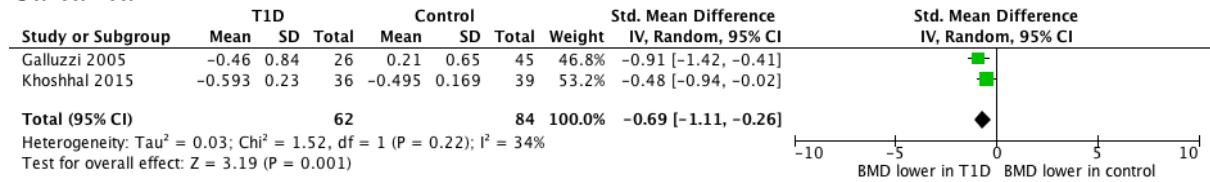


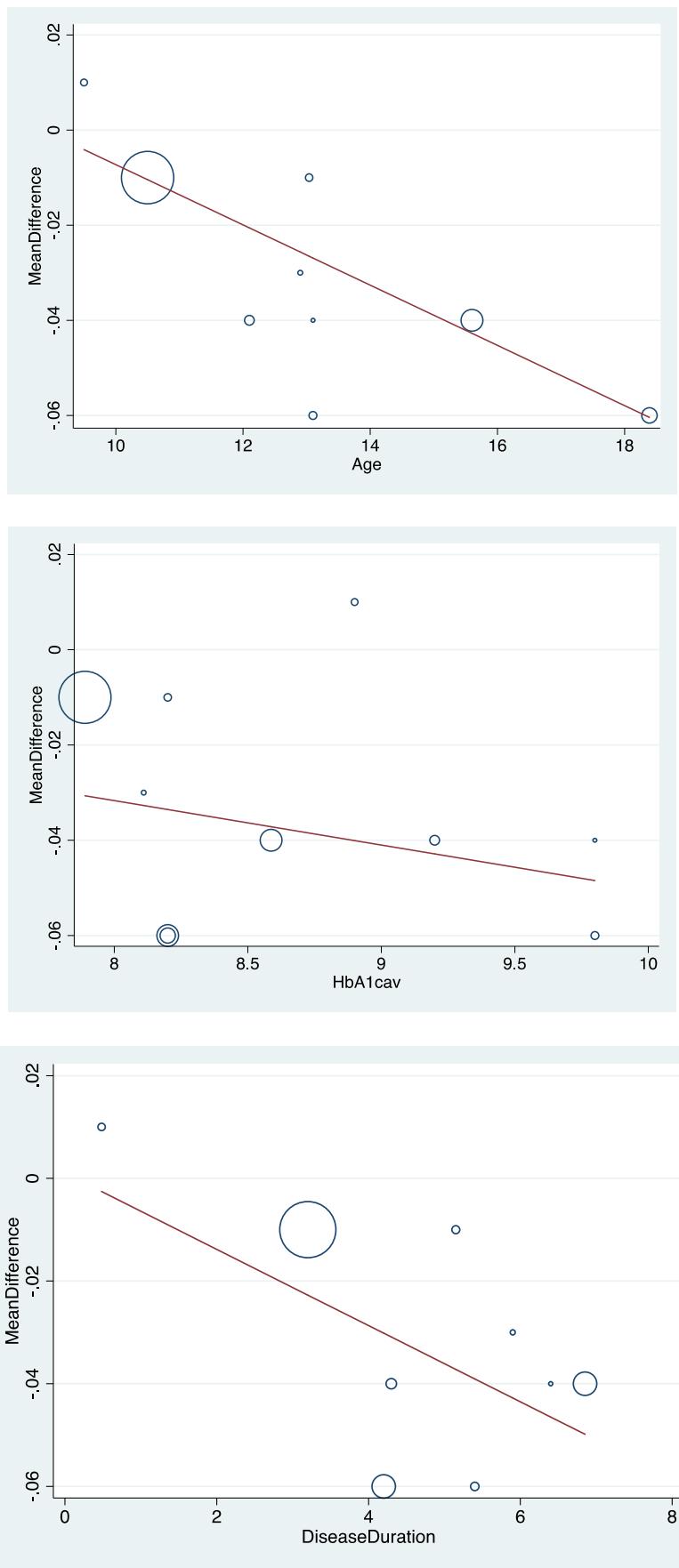
Phalangeal Ad-SOS



Calcaneal



Supplementary Figure 2: WMD for QUS measurements in youth with type 1 diabetes versus healthy controls



Supplementary Figure 3: Meta-regression of relationship between age, HbA1c, diabetes duration on total body BMD (g/cm²). Regression line represents association between mean difference, study size, and variable.

36	Roggen* (36)	2013	CS	Brussels, Belgium	56	33	23	47	14	32	pQCT	M: 10.6 ± 3.9 F: 10.0 ± 2.7	7
37	Roh (37)	2018	CS	Seoul, Korea	29	16	13	92	49	43	DXA	7.6 ± 1.4 0.02	7
38	Saha (38)	2008	CS	Tampere, Finland	48	22	26	48	22	26	DXA, pQCT	6.8 [1.0-13.5] 9.2	7
39	Saki (39)	2017	CC	Shiraz, Iran	87			87			DXA	12.0 ± 4.4	6
40	Salvatoni (40)	2004	CS	Varese, Italy	57	36	21	57	36	21	DXA	11.1 ± 4.5 2.0 \pm 3.1	8.1 \pm 1.1 7
41	Sav (41)	2017	CS	Meilikgazi/Kayseri, Turkey	50	26	24	130	67	63	DXA	11.6 ± 2.2	7
42	Sherif (42)	2011	CS	Cairo, Egypt	60	18	42	40			DXA	14.7 ± 1.5 6.9 \pm 3.1	8.1 \pm 2.0
43	Tahir (43)	2013	CS	Lahore, India	30	30	0	30	30	0	Bone profiler		11.1 \pm 3.3 1
44	Tsentidis (44)	2016	CS	Athens, Greece	40	18	22	40	18	22	DXA	13.0 ± 3.5 5.2 \pm 3.3	8.2 \pm 1.8 7
45	Vazquez Gamez (45)	2006	CS	Seville, Spain	66	26	40	327	204	123		4.6 ± 2.9 8.8 \pm 1.3	
46	Vina Simon (46)	2000	CS	Madrid, Spain	45	18	27	246	111	135	DXA	13.1 4.9	7

CS (cross-sectional study); C (cohort study), CC (case-control study) A (abstract)

Data for age, duration and HbA1c are mean \pm SD (where provided) or *median [interquartile range]

*Totals for age, duration and/or HbA1c not provided – separated by gender

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