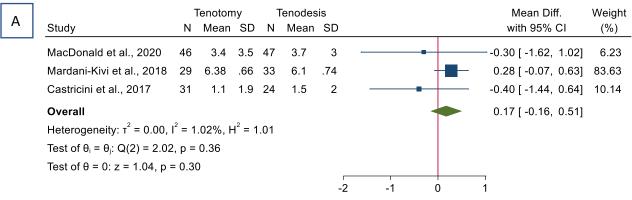Supplementary File 3: Comparison of the Visual Analogue Scale for Pain at (A) 6 months, at (B) 12 months and at (C) 2 years postoperatively between long head of biceps tendon tenotomy and tenodesis.

A

Study	Tenotomy N	Mean	SD	Tenodesis N	Mean	SD	Mean Diff. with 95% CI	Weight (%)
MacDonald et al., 2020	46	3.4	3.5	47	3.7	3	-0.30 [-1.62, 1.02]	6.23
Mardani-Kivi et al., 2018	29	6.38	.66	33	6.1	.74	0.28 [-0.07, 0.63]	83.63
Castricini et al., 2017	31	1.1	1.9	24	1.5	2	-0.40 [-1.44, 0.64]	10.14
Overall							0.17 [-0.16, 0.51]	

Heterogeneity: $\tau^2 = 0.00$, $I^2 = 1.02\%$, $H^2 = 1.01$

Test of $\theta_i = \theta_j$: Q(2) = 2.02, p = 0.36

Test of $\theta = 0$: z = 1.04, p = 0.30

Random-effects DerSimonian-Laird model

B

Study	Tenotomy N	Mean	SD	Tenodesis N	Mean	SD	Mean Diff. with 95% CI	Weight (%)
MacDonald et al., 2020	46	2.8	2.9	42	2.4	2.7	0.40 [-0.77, 1.57]	31.30
Mardani-Kivi et al., 2018	29	8.07	.66	33	8.61	.66	-0.54 [-0.87, -0.21]	68.70
Overall							-0.25 [-1.10, 0.61]	

Heterogeneity: $\tau^2 = 0.25$, $I^2 = 56.21\%$, $H^2 = 2.28$

Test of $\theta_i = \theta_j$: Q(1) = 2.28, p = 0.13

Test of $\theta = 0$: z = -0.56, p = 0.57

Random-effects DerSimonian-Laird model

C

Study	Tenotomy N	Mean	SD	Tenodesis N	Mean	SD	Mean Diff. with 95% CI	Weight (%)
MacDonald et al., 2020	52	2.9	3	48	2.3	2.9	0.60 [-0.56, 1.76]	9.92
Belay et al., 2019	20	3.7	2.5	14	4.6	2.17	-0.90 [-2.52, 0.72]	5.59
Mardani-Kivi et al., 2018	29	9.07	.58	33	9.53	.48	-0.46 [-0.72, -0.20]	42.58
Castricini et al., 2017	31	1	1.9	24	1	2	0.00 [-1.04, 1.04]	11.83
Oh et al., 2016	27	.54	.93	31	.45	.93	0.09 [-0.39, 0.57]	30.08
Overall							-0.16 [-0.57, 0.25]	

Heterogeneity: $\tau^2 = 0.08$, $I^2 = 43.79\%$, $H^2 = 1.78$

Test of $\theta_i = \theta_j$: Q(4) = 7.12, p = 0.13

Test of $\theta = 0$: z = -0.77, p = 0.44

Random-effects DerSimonian-Laird model