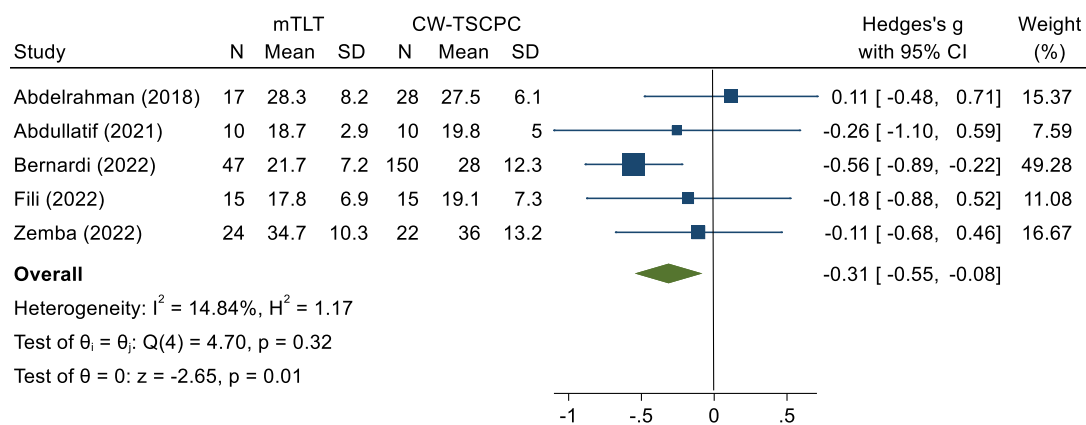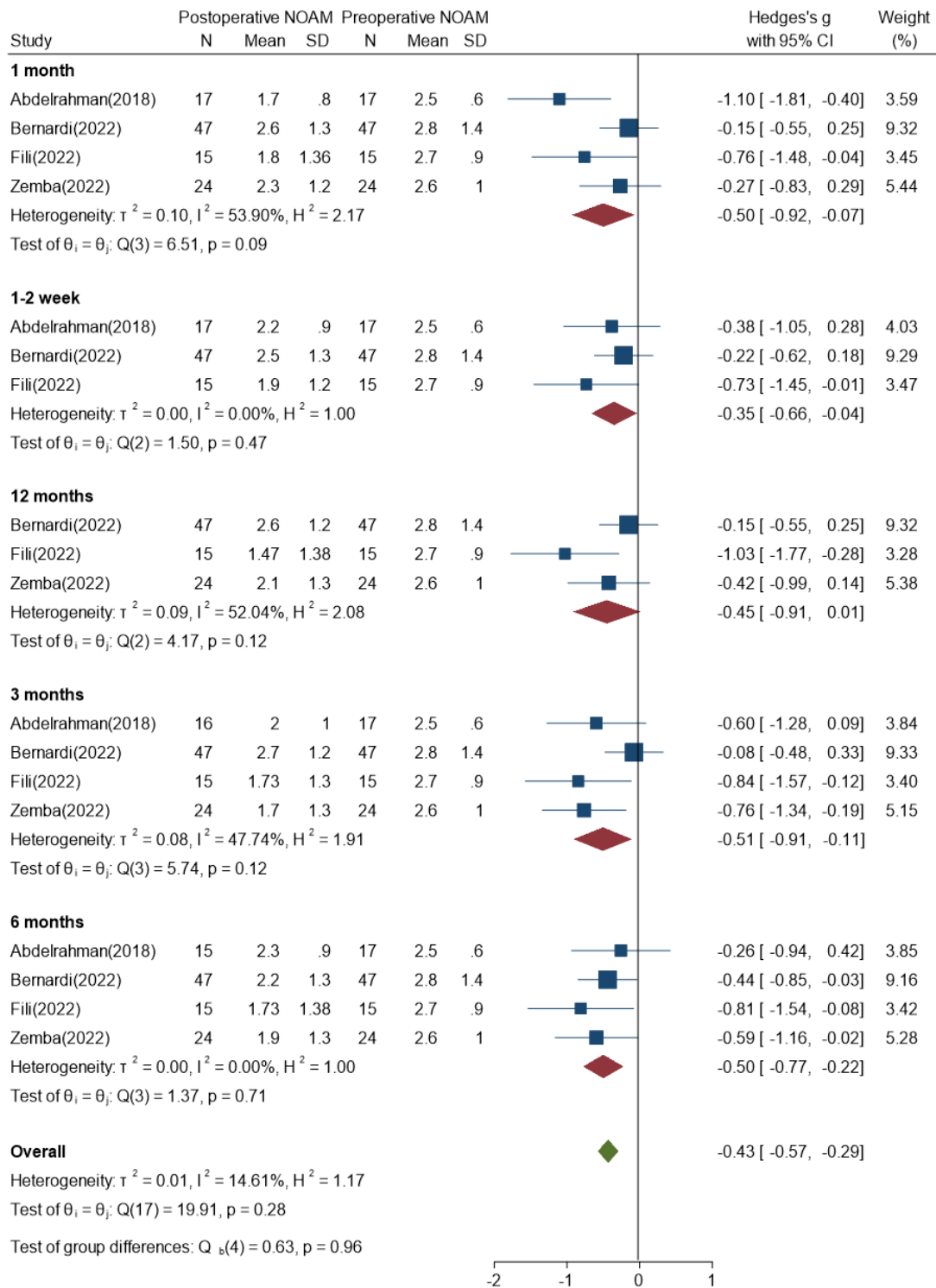# Supplement

Figure 1. Meta-analysis of mTLT comparing to CW-TSCPC in baseline IOP. A total of 113 patients treated with mTLT and 225 patients treated with CW-TSCPC was included. The baseline IOP in CW-TSCPC group was higher than that in mTLT group (WMD=-0.31, 95% CI -0.55 to -0.08).

Study	N	mTLT Mean	SD	N	CW-TSCPC Mean	SD	Hedges's g with 95% CI	Weight (%)
Abdelrahman (2018)	17	28.3	8.2	28	27.5	6.1	0.11 [-0.48, 0.71]	15.37
Abdullatif (2021)	10	18.7	2.9	10	19.8	5	-0.26 [-1.10, 0.59]	7.59
Bernardi (2022)	47	21.7	7.2	150	28	12.3	-0.56 [-0.89, -0.22]	49.28
Fili (2022)	15	17.8	6.9	15	19.1	7.3	-0.18 [-0.88, 0.52]	11.08
Zemba (2022)	24	34.7	10.3	22	36	13.2	-0.11 [-0.68, 0.46]	16.67
Overall							-0.31 [-0.55, -0.08]	

Heterogeneity: I^2 = 14.84%, H^2 = 1.17

Test of $\theta_i = \theta_j$: Q(4) = 4.70, p = 0.32

Test of θ = 0: z = -2.65, p = 0.01

Fixed-effects inverse-variance model

Figure 2. Meta-analysis of post- and pre-operative NOAM in mTLT at various visits. A total of 103 patients treated with mTLT was included. The IOP significantly reduced at 1-2 weeks, 3, and 6 months (WMD=-0.35, 95% CI -0.66 to -0.04; WMD=-0.51, 95% CI -0.91 to -0.11; WMD=-0.59, 95% CI -0.77 to -0.22, respectively〕after mTLT treatment.

Figure 3. Meta-analysis of mTLT comparing to CW-TSCPC in baseline NOAM. A total of 103 patients treated with mTLT and 215 patients treated with CW-TSCPC was included. No significant difference was observed between these two modalities of laser treatment (WMD=-0.06, 95% CI -0.30 to 0.18).

Study	N	mTLT		N	CW-TSCPC			Hedges's g with 95% CI	Weight (%)
		Mean	SD		Mean	SD			
Abdelrahman(2018)	17	2.5	.6	28	2.3	.9		0.25 [-0.35, 0.84]	16.34
Bernardi(2022)	47	2.8	1.4	150	3	1.4		-0.14 [-0.47, 0.18]	54.05
Fili(2022)	15	2.7	.9	15	2.6	.8		0.11 [-0.58, 0.81]	11.88
Zemba(2022)	24	2.6	1	22	2.8	.8		-0.22 [-0.79, 0.35]	17.74
Overall								-0.06 [-0.30, 0.18]	

Heterogeneity: $I^2 = 0.00\%$, $H^2 = 1.00$

Test of $\theta_i = \theta_j$: Q(3) = 1.78, p = 0.62

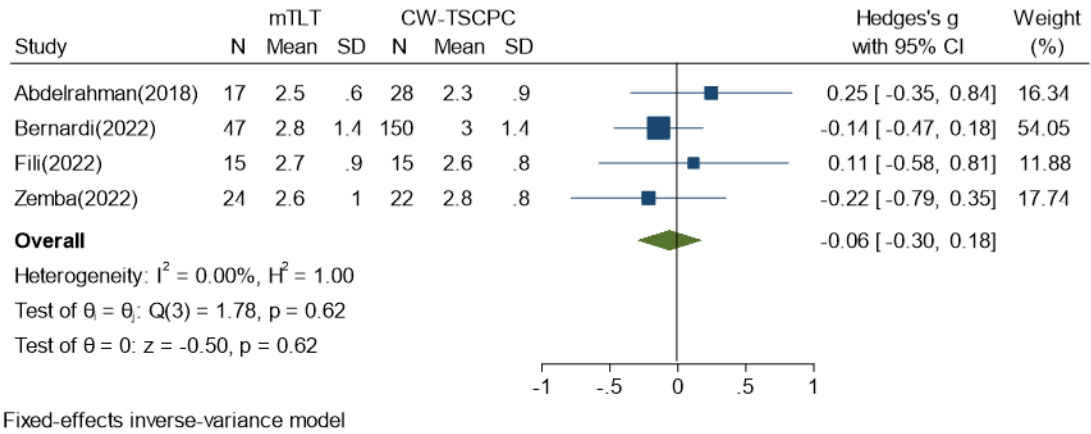Test of $\theta = 0$: z = -0.50, p = 0.62

Fixed-effects inverse-variance model

Figure 4. Filled funnel plot of NOAM before and after mTLT.