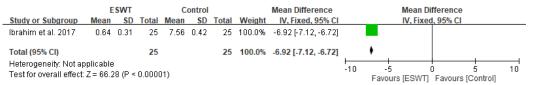
Supplement material

Table S1. A sensitivity analysis for meta-analysis of visual analog scale (VAS) scores in medium-energy ESWT and placebo-controlled groups.

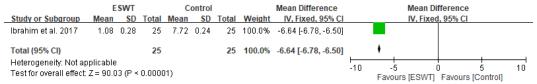
A ltered dataset	Follow -up time (m on th)	M odel	N um ber of trials	M ean difference	95% CI	p-value	I^2
R em oval of Speed et al. 2003	1	Fixed	1	-6.92	-7.12, -6.72	< 0.00001	NA
Removal of Ibrahim et al. 2017	1	Fixed	1	-0.12	-1.06,082	0.80	NA
Removal of Speedet al. 2003	3	Fixed	1	-6.64	-6.78, -6.50	< 0.00001	NΑ
Removal of Ibrahim et al. 2017	3	Fixed	1	-0.57	-1.81,0.67	0.37	NA
Removal of Speedet al. 2003	6	R andom	2	-4.78	-8.97, -0.59	0.03	98%
Removal of Rompe et al. 2003	6	R andom	2	-3.18	-10.49,4.12	0.39	99%
Removal of Ibrahim et al. 2017	6	R andom	2	-1.03	4.14,2.08	0.52	92%
Removal of Rompe et al. 2003	12	Fixed	1	4 56	4.86, 4.26	< 0.00001	NΑ
Removal of Ibrahim et al. 2017	12	Fixed	1	-2.90	-3.98, -1.82	< 0.00001	NΑ

NA: not avaliable

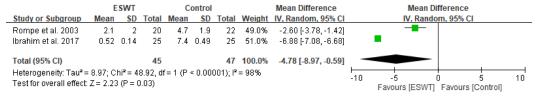
(a) 1-month follow-up



(b) 3-month follow-up



(c) 6-month follow-up



Supplement Fig. 1. Forest plots of visual analog scale (VAS) scores in medium-energy ESWT and placebo-controlled groups at 1-month (a), 3-month (b), and 6-month (c) follow-ups

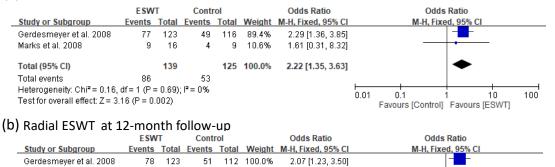
(a) Radial ESWT at 3-6 months follow-up

Total (95% CI)

Heterogeneity: Not applicable

Test for overall effect: Z = 2.74 (P = 0.006)

Total events



2.07 [1.23, 3.50]

0.01

0.1

Favours [Control] Favours [ESWT]

10

100

Supplement Fig. 2. Forest plots of treatment success rates in medium-energy radial ESWT placebocontrolled groups at 3-6-month (a) and 12-month (b) follow-ups.

112 100.0%

123

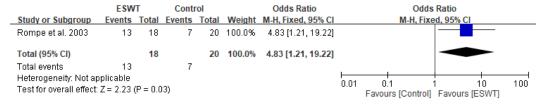
51

78

(a) Focused ESWT at 3-6 months follow-up

	ESWT Cont			rol		Odds Ratio	Odds Ratio
Study or Subgroup	Events	Total	Events	Total	Weight	M-H, Fixed, 95% CI	M-H, Fixed, 95% CI
Speed et al. 2003	17	46	10	42	74.3%	1.88 [0.74, 4.75]	+
Rompe et al. 2003	12	20	6	22	25.7%	4.00 [1.09, 14.62]	-
Total (95% CI)		66		64	100.0%	2.42 [1.14, 5.13]	•
Total events	29		16				
Heterogeneity: $Chi^2 = 0.87$, $df = 1$ (P = 0.35); $I^2 = 0\%$							0.01 0.1 1 10 100
Test for overall effect: Z = 2.31 (P = 0.02)							Favours [Control] Favours [ESWT]

(b) Focused ESWT at 12 months follow-up

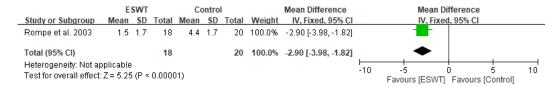


Supplement Fig. 3. Forest plots of treatment success rates in medium-energy focused ESWT and placebo-controlled groups at 3-6-month (a) and 12-month (b) follow-ups.

(a) Radial ESWT at 6 months follow-up

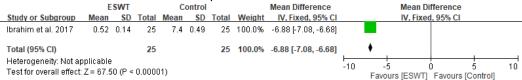
	ESWT			Control			Mean Difference			Mean Difference				
Study or Subgroup	Mean	SD	Total	Mean	SD	Total	Weight	IV, Fixed, 95% CI		IV, F	ixed,	95% CI		
Rompe et al. 2003	2.1	2	20	4.7	1.9	22	100.0%	-2.60 [-3.78, -1.42]		-	-			
Total (95% CI)			20			22	100.0%	-2.60 [-3.78, -1.42]		•	.			
Heterogeneity: Not applicable Test for overall effect: Z = 4.31 (P < 0.0001)								-10	-5 Favours (ESV	νπ Vπ	Favours (C	5 ontroll	10	

(b) Radial ESWT at 12 months follow-up

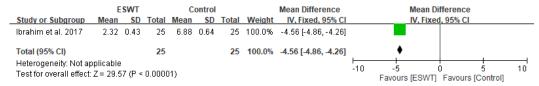


Supplement Fig. 4. Forest plots of visual analog scale (VAS) scores in medium-energy radial ESWT and placebo-controlled groups at 6-month (a) and 12-month (b) follow-ups.

(a) Focused ESWT at 6 months follow-up



(b) Focused ESWT at 12 months follow-up



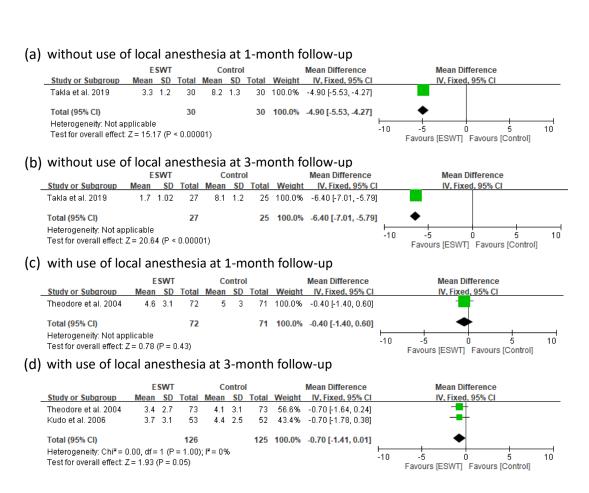
Supplement Fig. 5. Forest plots of visual analog scale (VAS) scores in medium-energy focused ESWT and placebo-controlled groups at 6-month (a) and 12-month (b) follow-ups.

(a) without use of local anesthesia **ESWT** Control **Odds Ratio Odds Ratio** Study or Subgroup Events Events Total Weight M-H, Fixed, 95% CI M-H, Fixed, 95% CI Gollwitzer et al. 2007 2.25 [0.63, 7.97] 12 20 8 20 13.3% Gollwitzer et al. 2015 68 125 45 121 86.7% 2.01 [1.21, 3.35] 2.05 [1.28, 3.28] Total (95% CI) 145 141 100.0% Total events 80 53 Heterogeneity: $Chi^2 = 0.03$, df = 1 (P = 0.87); $I^2 = 0\%$ 0.01 10 100 0.1 Test for overall effect: Z = 2.97 (P = 0.003) Favours [Control] Favours [ESWT] (b) with use of local anesthesia **ESWT** Control Odds Ratio Odds Ratio -H, Fixed, 95% Cl Study or Subgroup Events Total Events Total Weight M-H, Fixed, 95% C Theodore et al. 2004 45 73 29 73 27.7% 2.44 [1.25, 4.74] Ogden et al. 2004 67 144 42 141 56.4% 2.05 [1.26, 3.34] Kudo et al. 2006 25 53 12 52 15.9% 2.98 [1.28, 6.90] Total (95% CI) 266 100.0% 2.31 [1.62, 3.29] Total events 137 83 Heterogeneity: $Chi^2 = 0.60$, df = 2 (P = 0.74); $I^2 = 0\%$ 0.2 0.5 10

Supplement Fig. 6. Forest plots of treatment success rates in high-energy ESWT without (a) and with (b) use of local anesthesia and placebo-controlled groups at 3-month follow-up.

Favours [Control] Favours [ESWT]

Test for overall effect: Z = 4.60 (P < 0.00001)



Supplement Fig. 7. Forest plots of visual analog scale (VAS) scores in high-energy ESWT without use of local anesthesia at 1-month (a) and 3-month (b) follow-ups and with use of local anesthesia at 1-month (c) and 3-month (d) follow-ups.