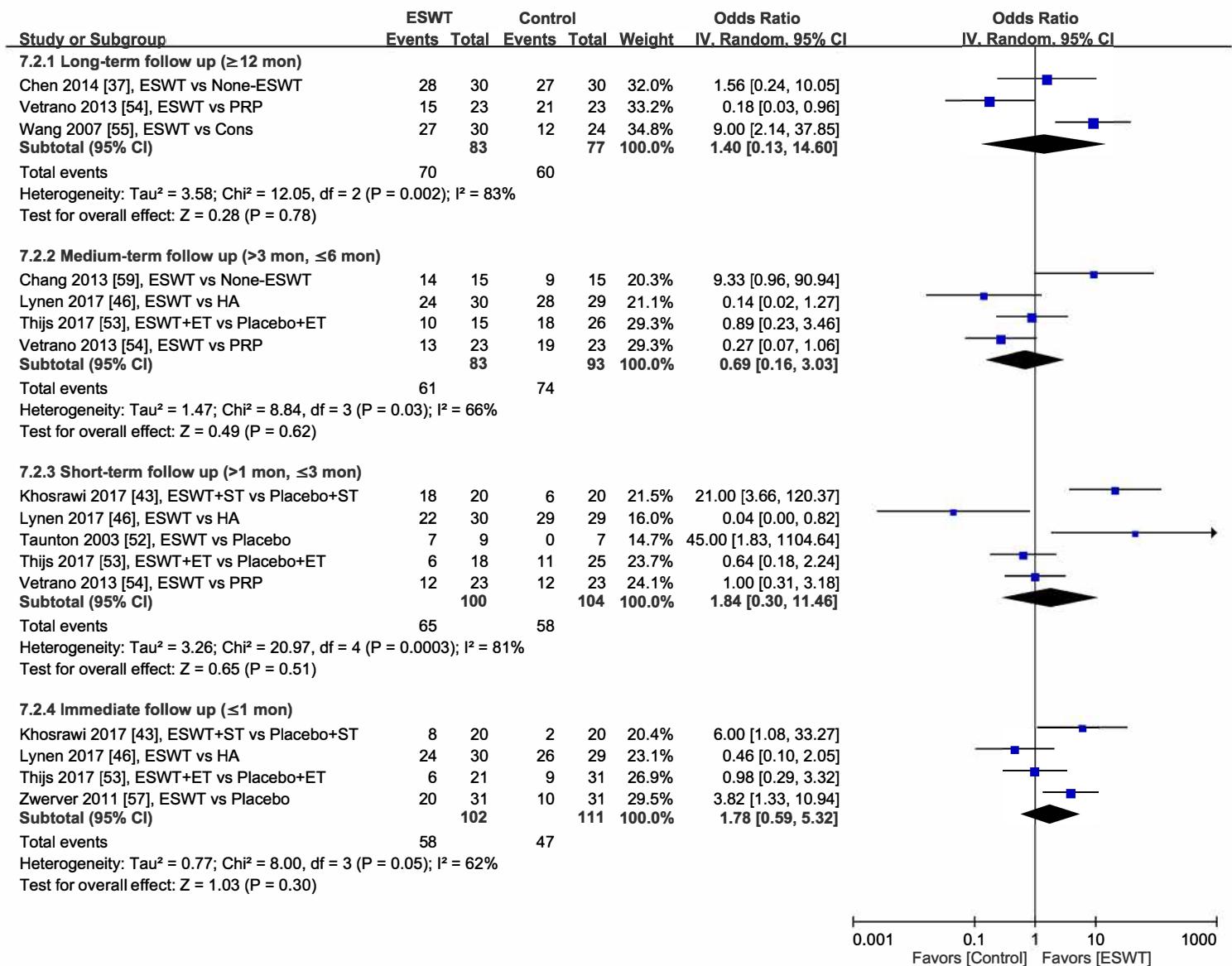
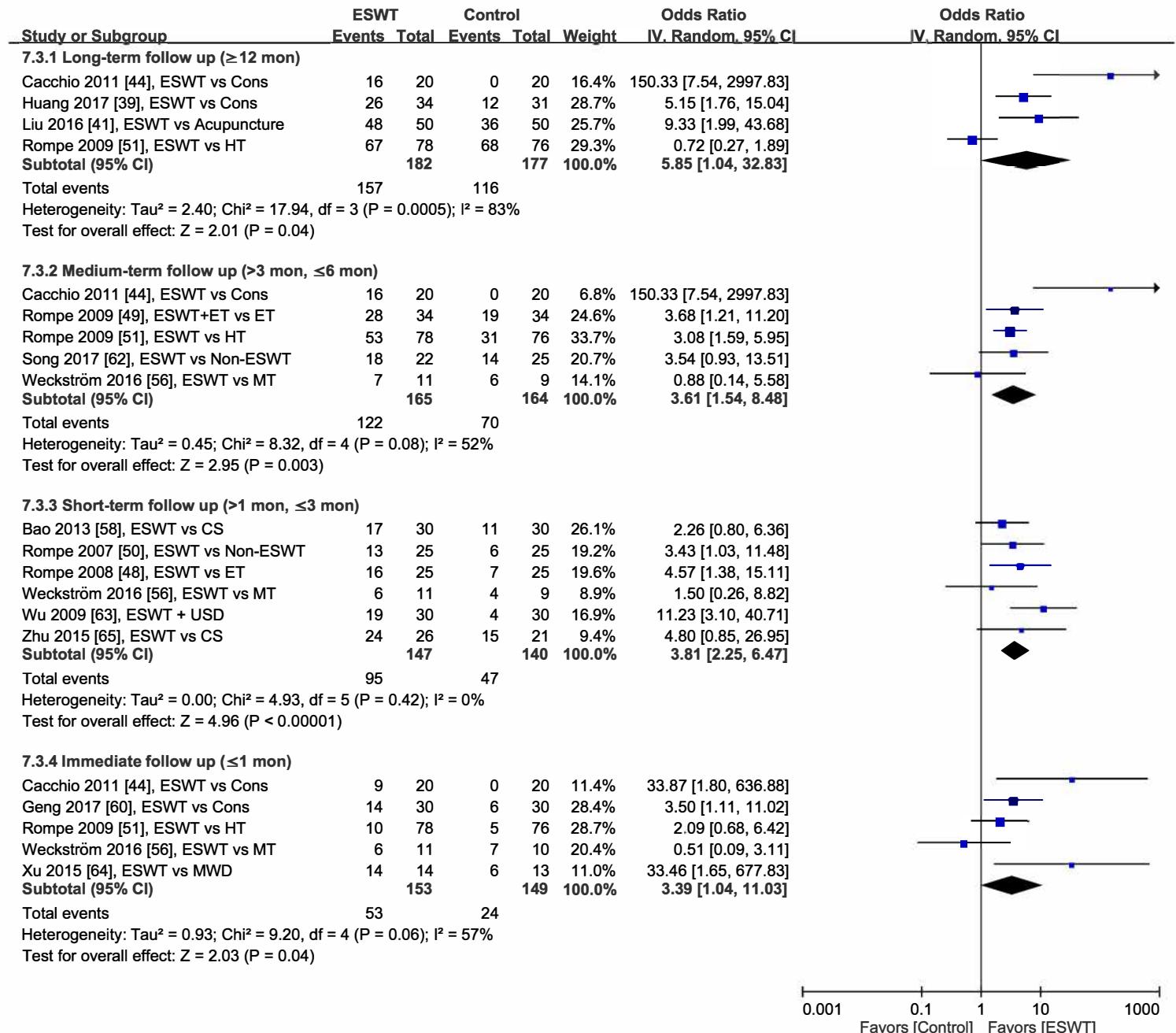


Supplementary Figure 1. Forest plot of success rates of general extracorporeal shock wave therapy during follow-up periods. 95% CI = 95% confidence interval; IV = inverse variance; Random = random-effects model; ESWT = extracorporeal shock wave therapy; non-ESWT = no application of shock wave treatment; Cons = conservative treatment; PRP = platelet-rich plasma injection; HA = hyaluronan injection; HT = home training; MT = manual therapy; ET = eccentric training; ST = stretching exercise; MWD = microwave diathermy; USD = ultrasound diathermy.

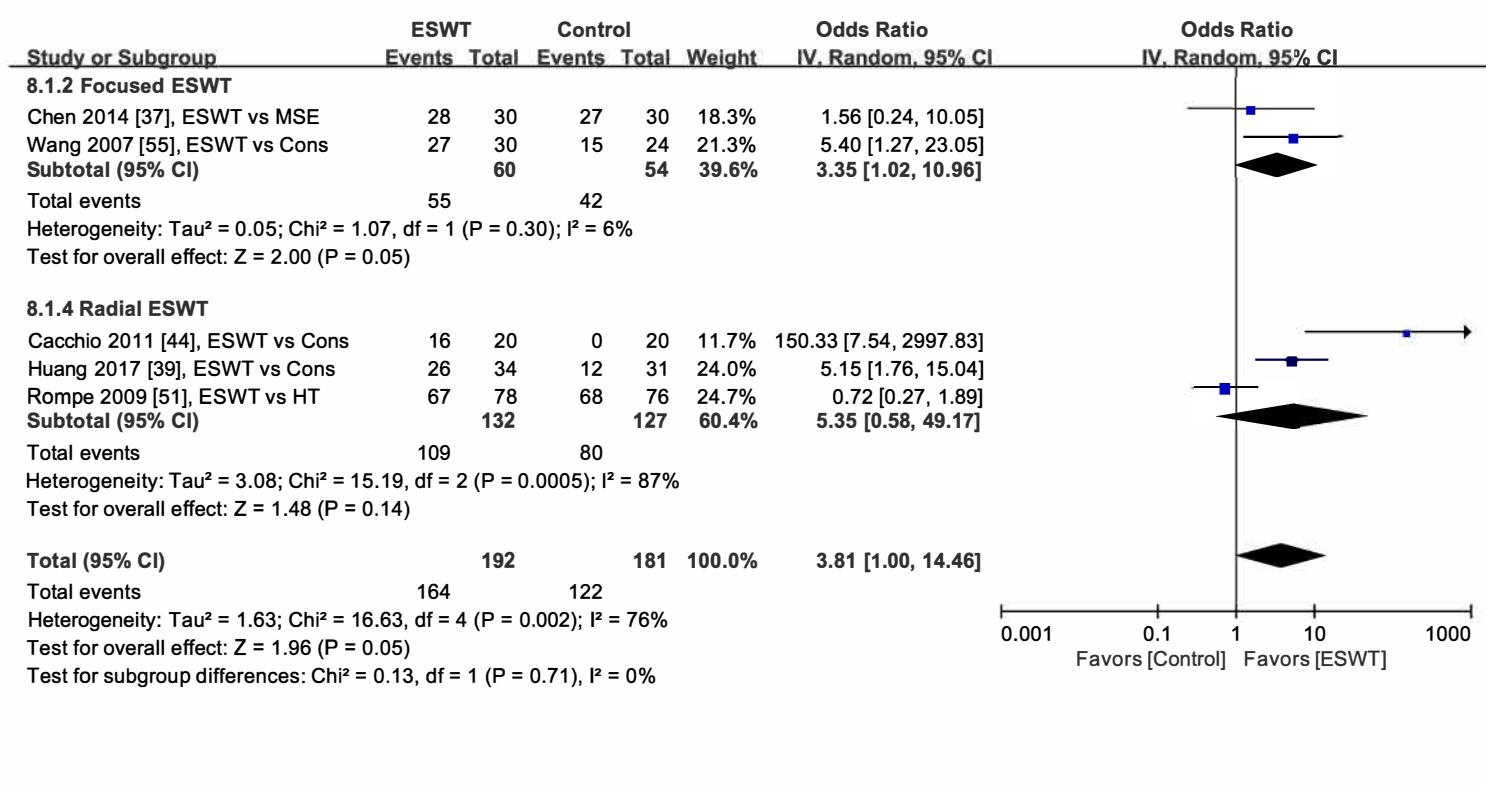


Supplementary Figure 2. Forest plot of success rates of focused shock wave therapy during follow-up periods.
 95% CI = 95% confidence interval; IV = inverse variance; Random = random-effects model; ESWT = extra-corporeal shock wave therapy; Cons = conservative treatment; PRP = platelet-rich plasma injection; HA = hyaluronan injection; ET = eccentric training; ST = stretching exercise.

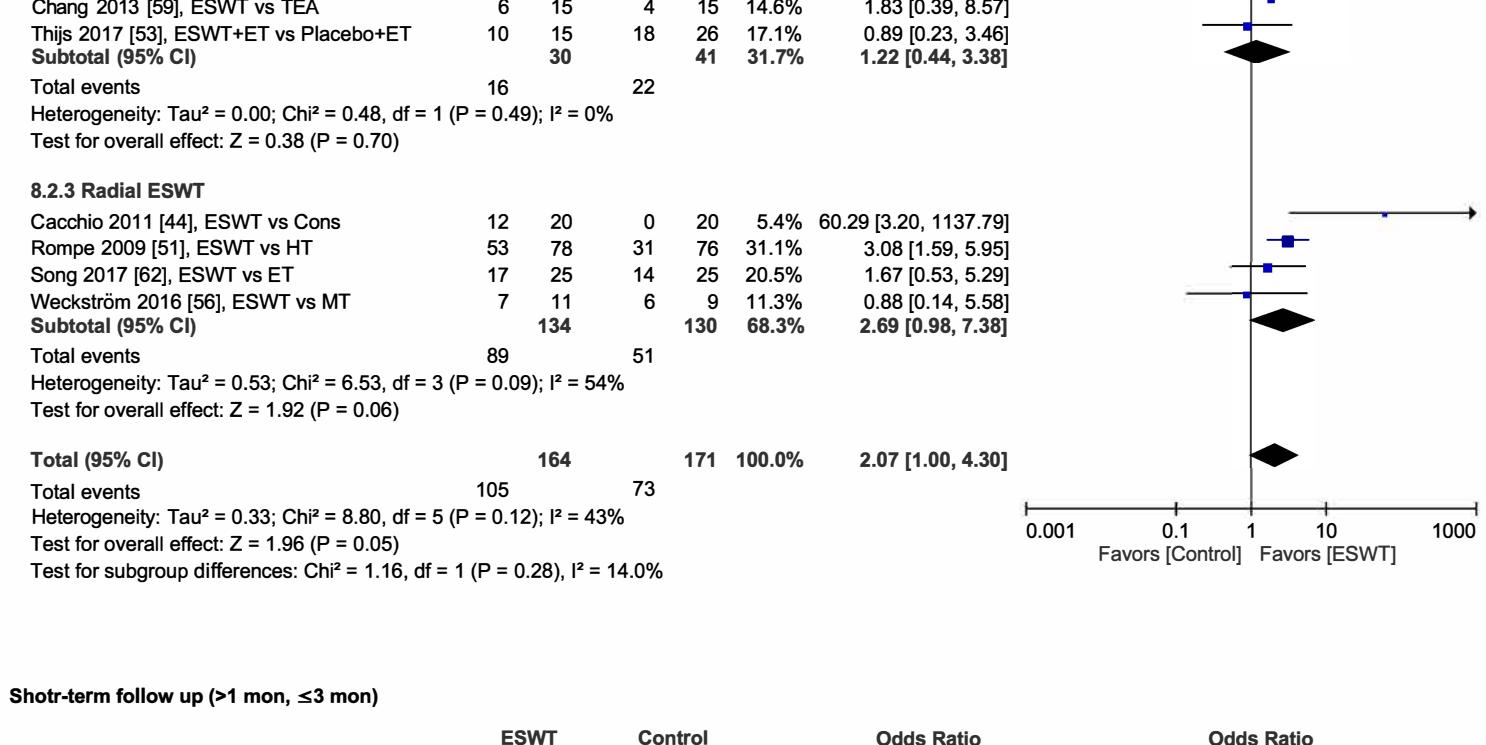


Supplementary Figure 3. Forest plot of success rates of radial shock wave therapy during follow-up periods. 95% CI = 95% confidence interval; IV = inverse variance; Random = random-effects model; ESWT = extracorporeal shock wave therapy; Cons = conservative treatment; CS = local corticosteroid injection; MWD = microwave diathermy; USD = ultrasound diathermy; HA = hyaluronan injection; HT = home training; MT = manual therapy; ET = eccentric training.

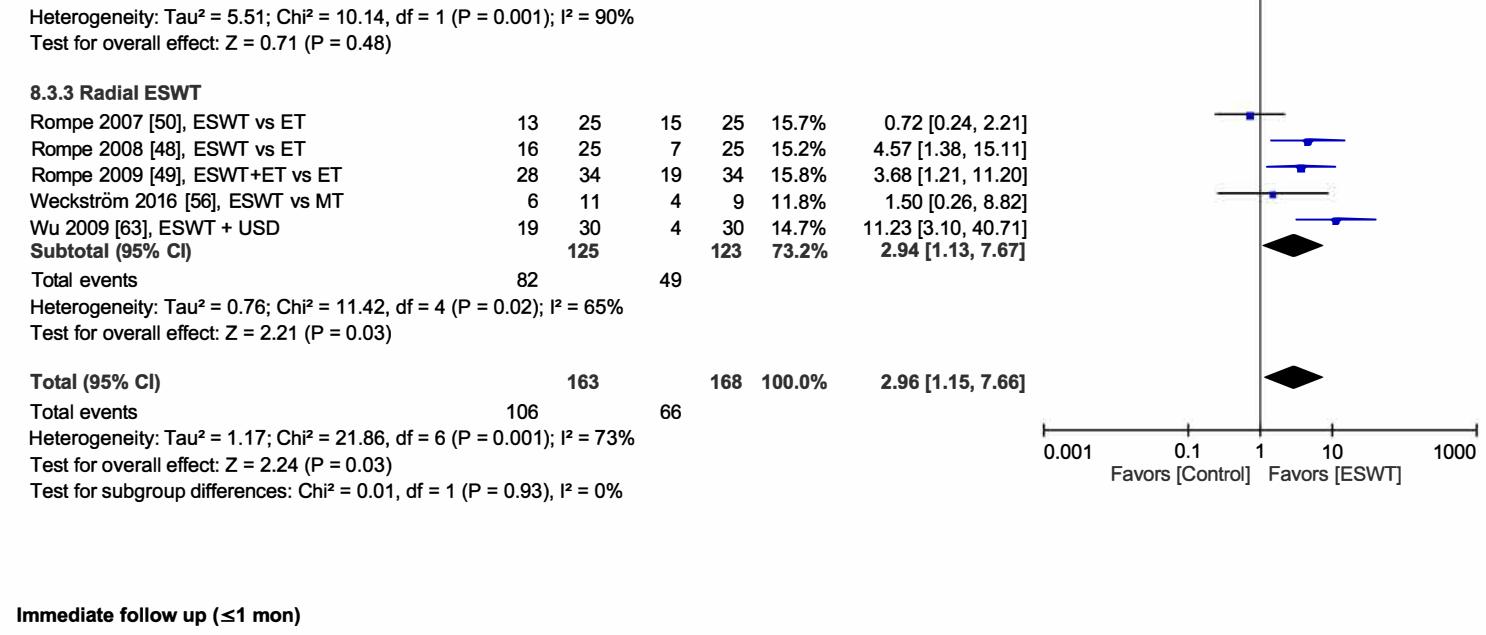
Long-term follow up (≥ 12 mon)



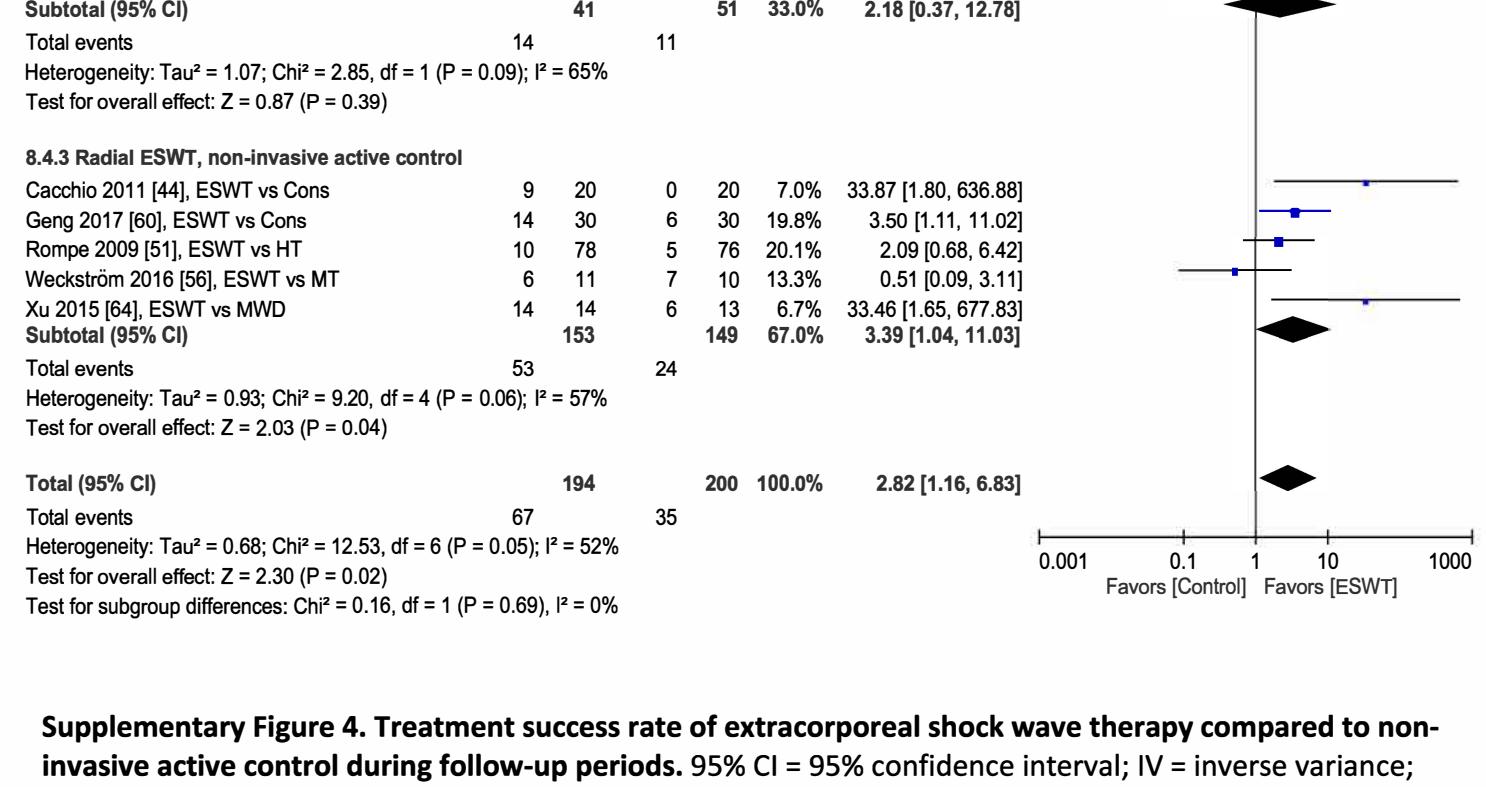
Medium-term follow up (>3 mon, ≤ 6 mon)



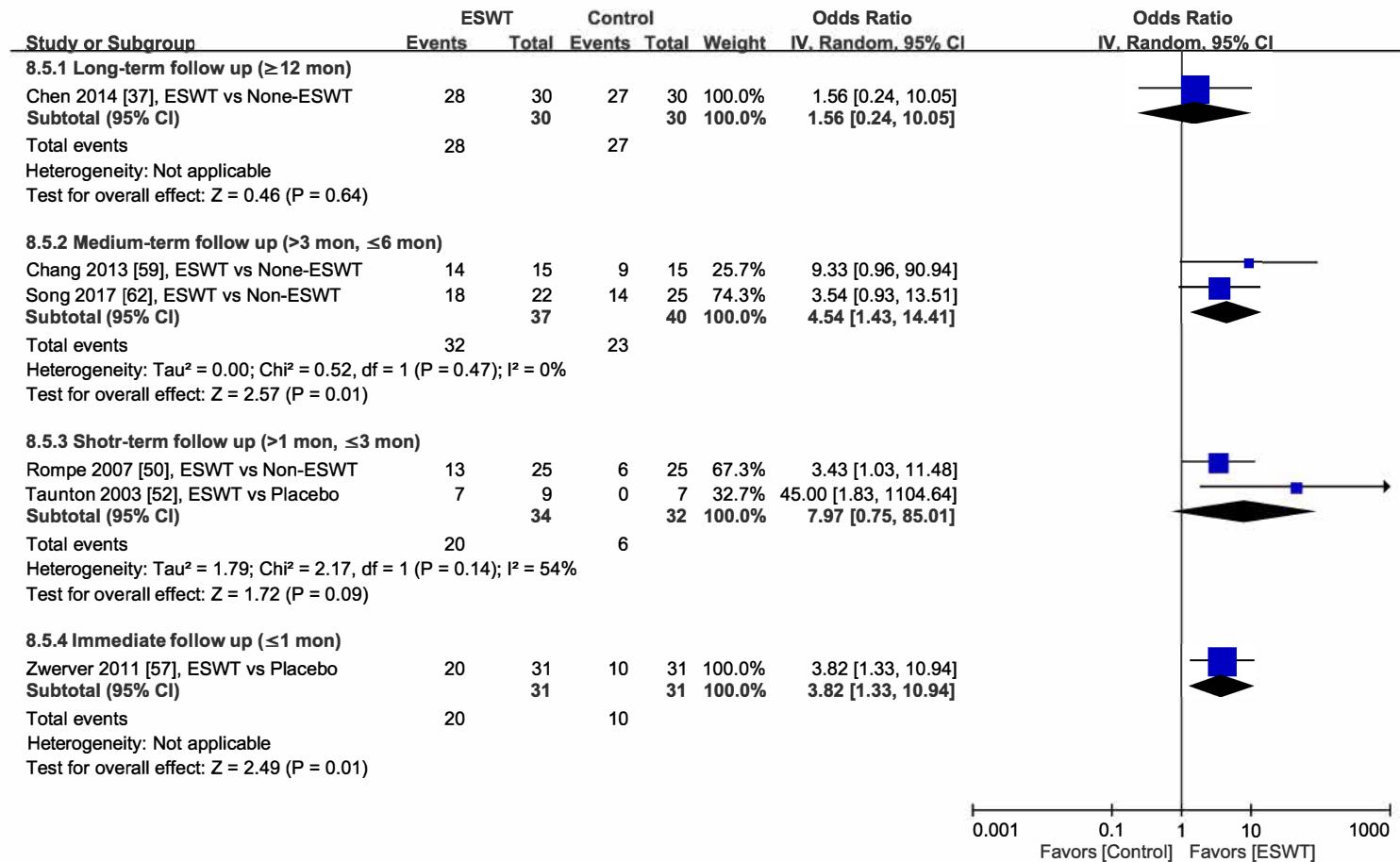
Short-term follow up (>1 mon, ≤ 3 mon)



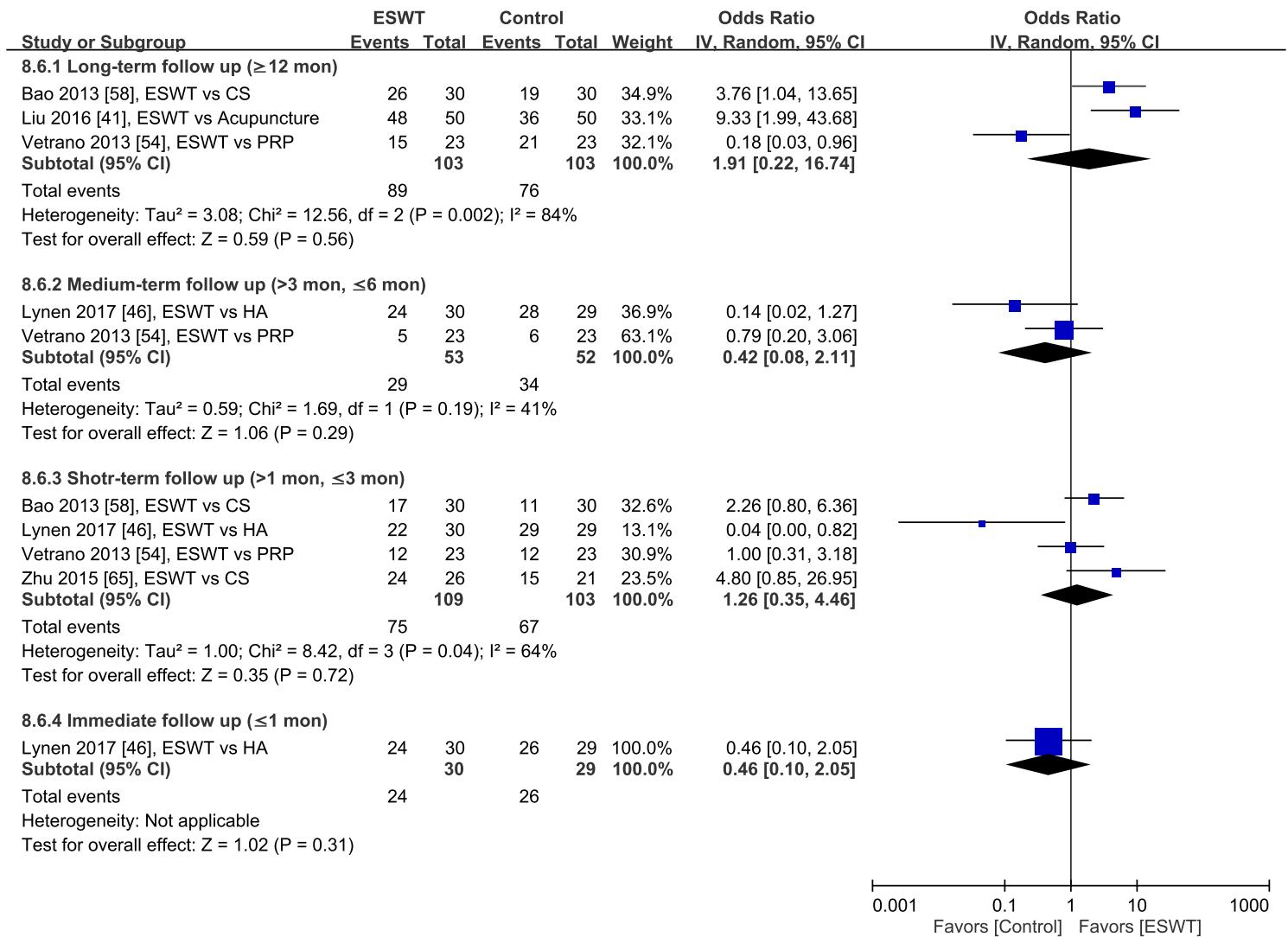
Immediate follow up (≤ 1 mon)



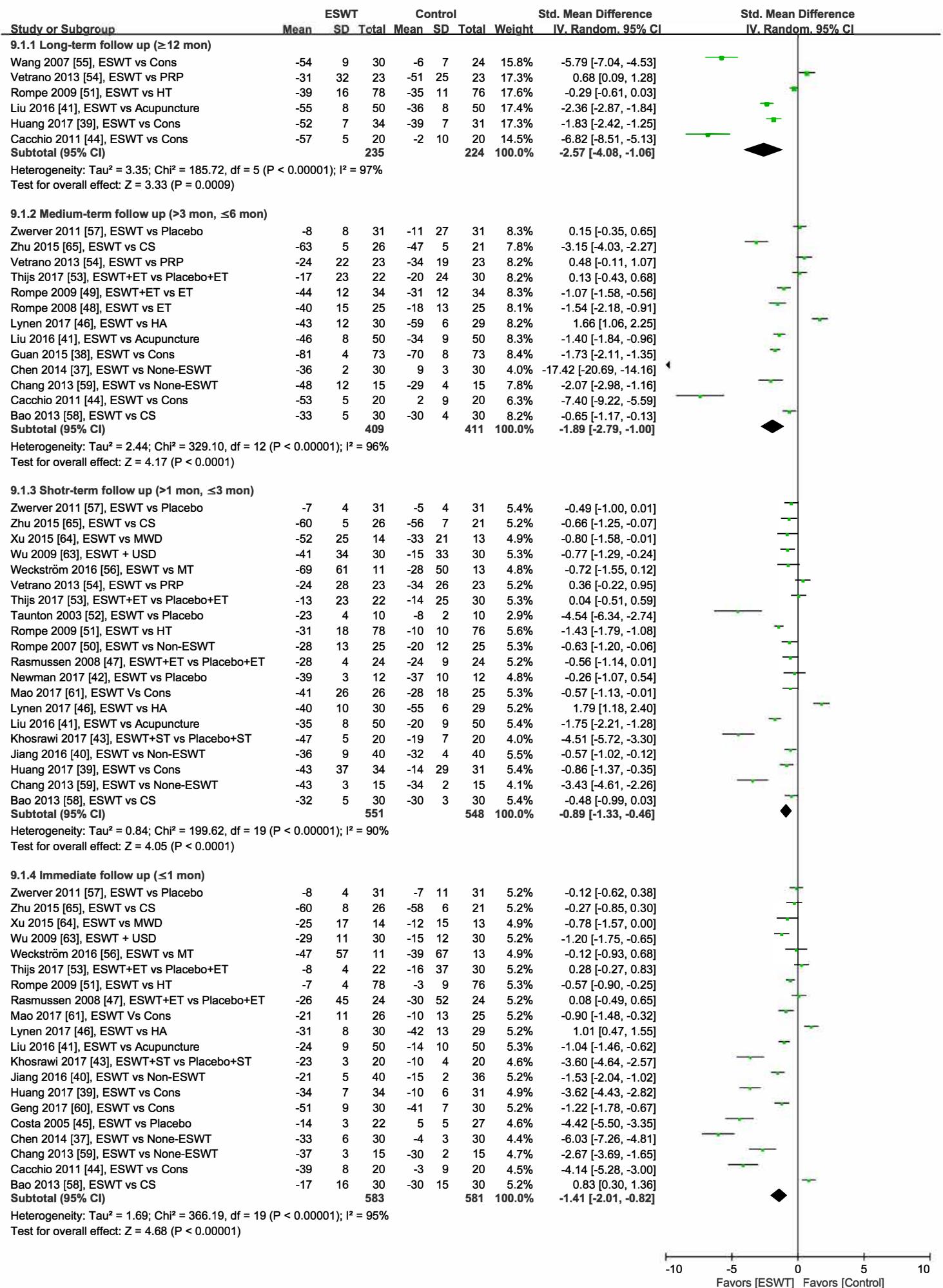
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Supplementary Figure 5. Treatment success rate of extracorporeal shock wave therapy compared to placebo during follow-up periods. 95% CI = 95% confidence interval; IV = inverse variance; Random = random-effects model; ESWT = extracorporeal shock wave therapy; non-ESWT = no application of shock wave treatment.

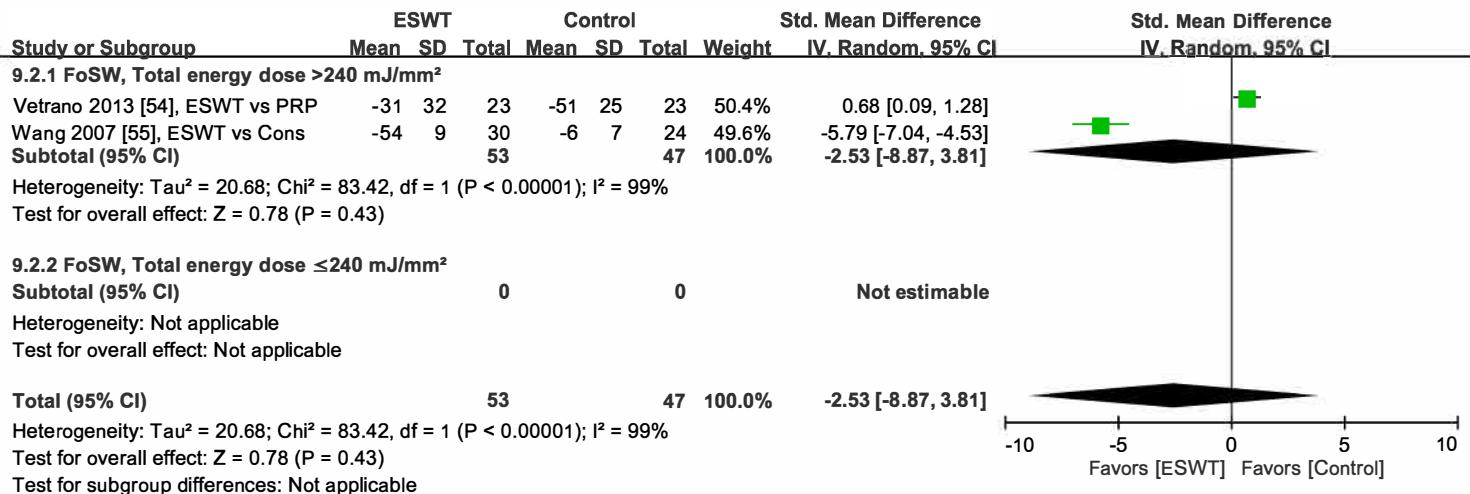


Supplementary Figure 6. Treatment success rate of extracorporeal shock wave therapy compared to invasive active control during follow-up periods. 95% CI = 95% confidence interval; IV = inverse variance; Random = random-effects model; ESWT = extracorporeal shock wave therapy; HA = hyaluronan injection; PRP = platelet-rich plasma injection.

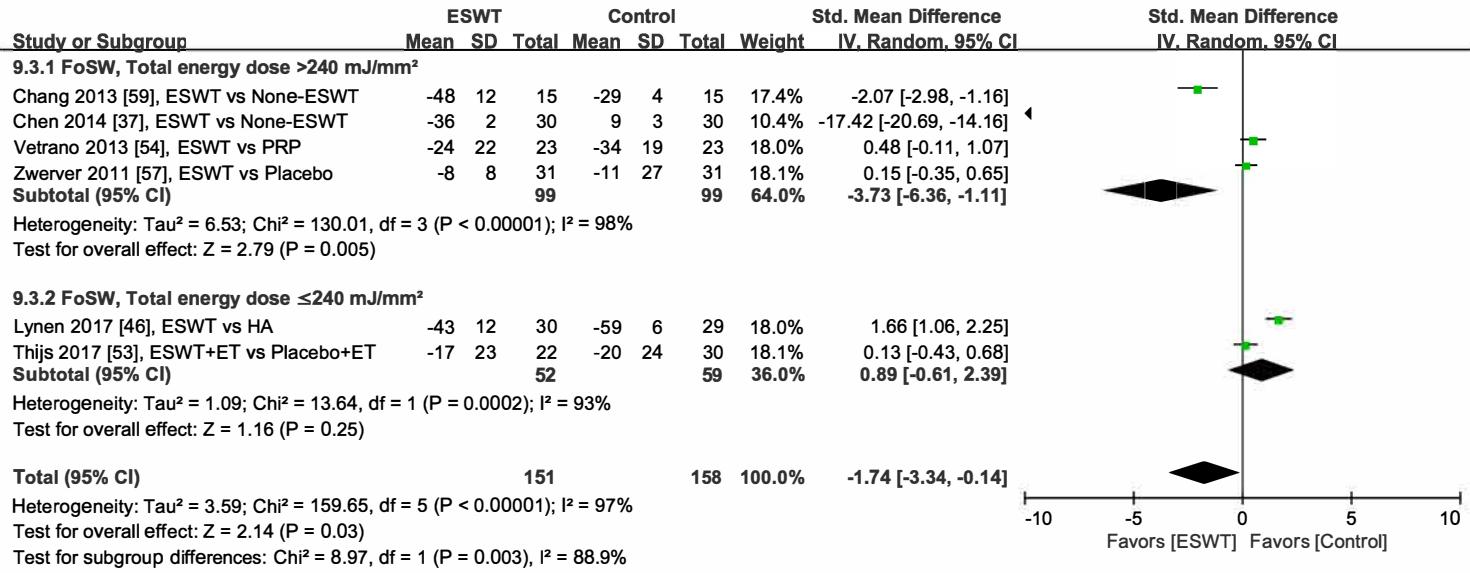


Supplementary Figure 7. Forest plot showing treatment effect of general extracorporeal shock wave therapy on pain score at follow up time points. 95% CI = 95% confidence interval; Std. = standard; IV = inverse variance; Random = random-effects model; ESWT = extracorporeal shock wave therapy; non-ESWT = no application of shock wave treatment; Cons = conservative treatment; PRP = platelet-rich plasma injection; HA = hyaluronan injection; HT = home training; MT = manual therapy; ET = eccentric training; ST = stretching exercise; MWD = microwave diathermy; USD = ultrasound diathermy.

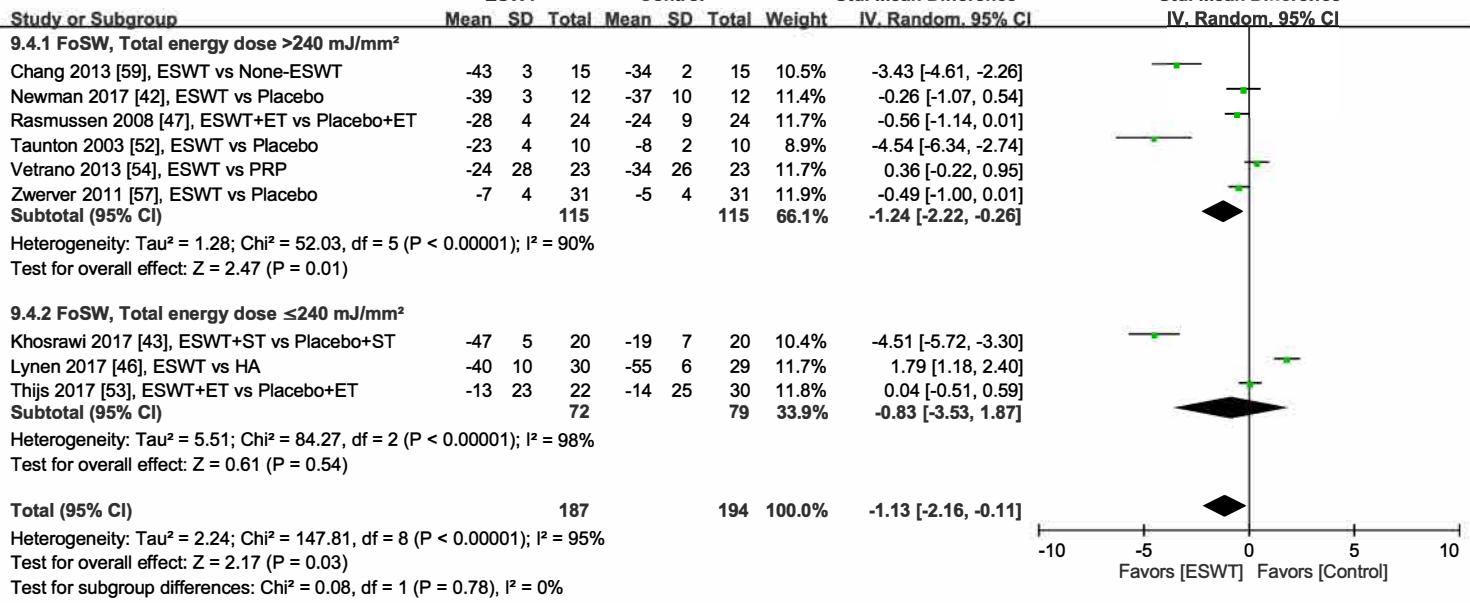
Long-term follow up (≥ 12 mon)



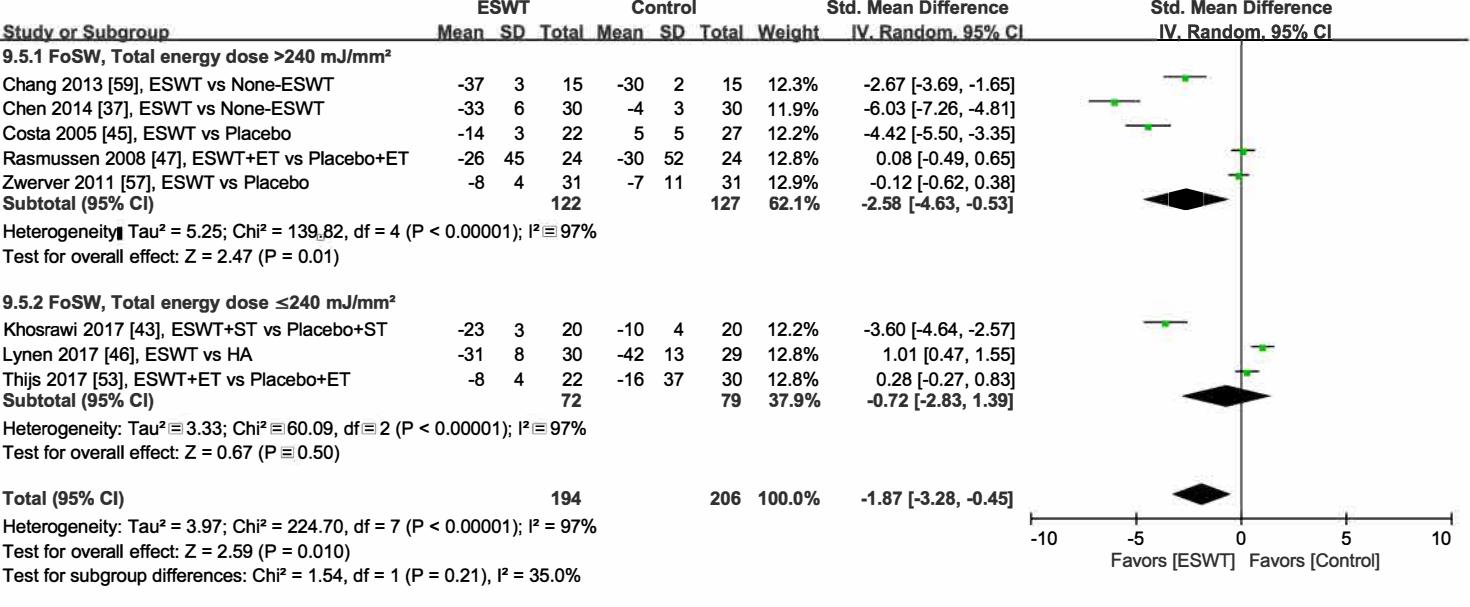
Medium-term follow up (>3 mon, ≤ 6 mon)



Short-term follow up (>1 mon, ≤ 3 mon)

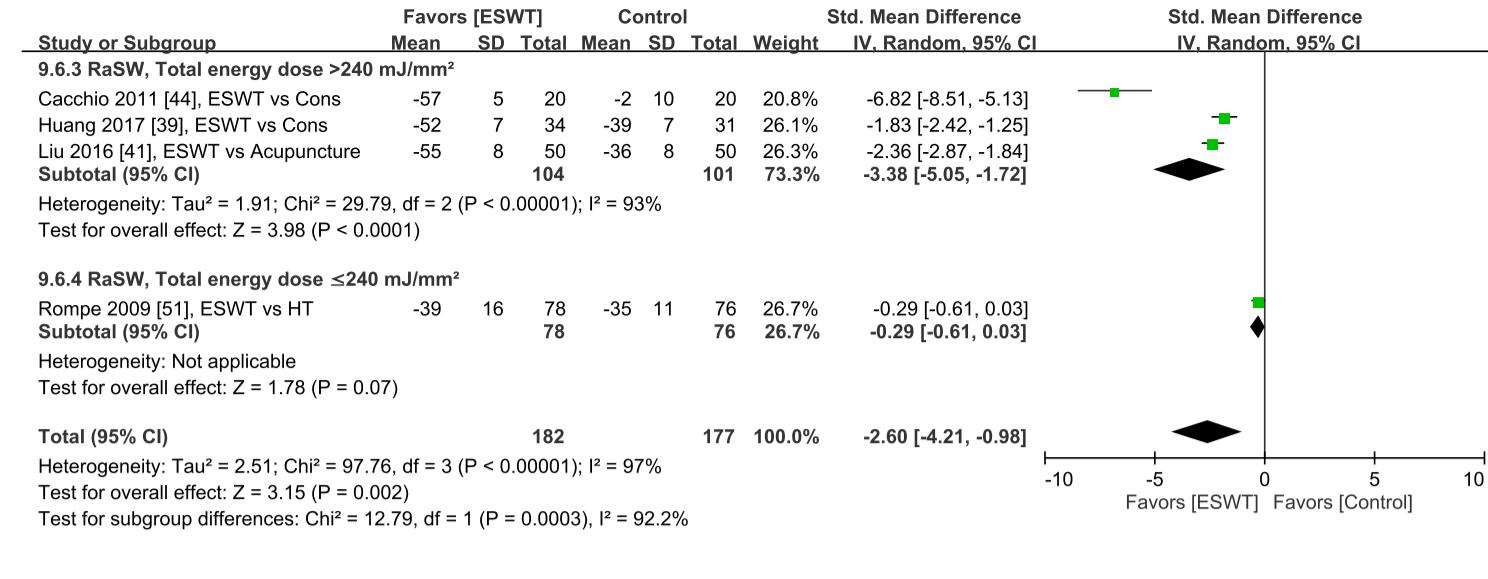


Immediate follow up (≤ 1 mon)

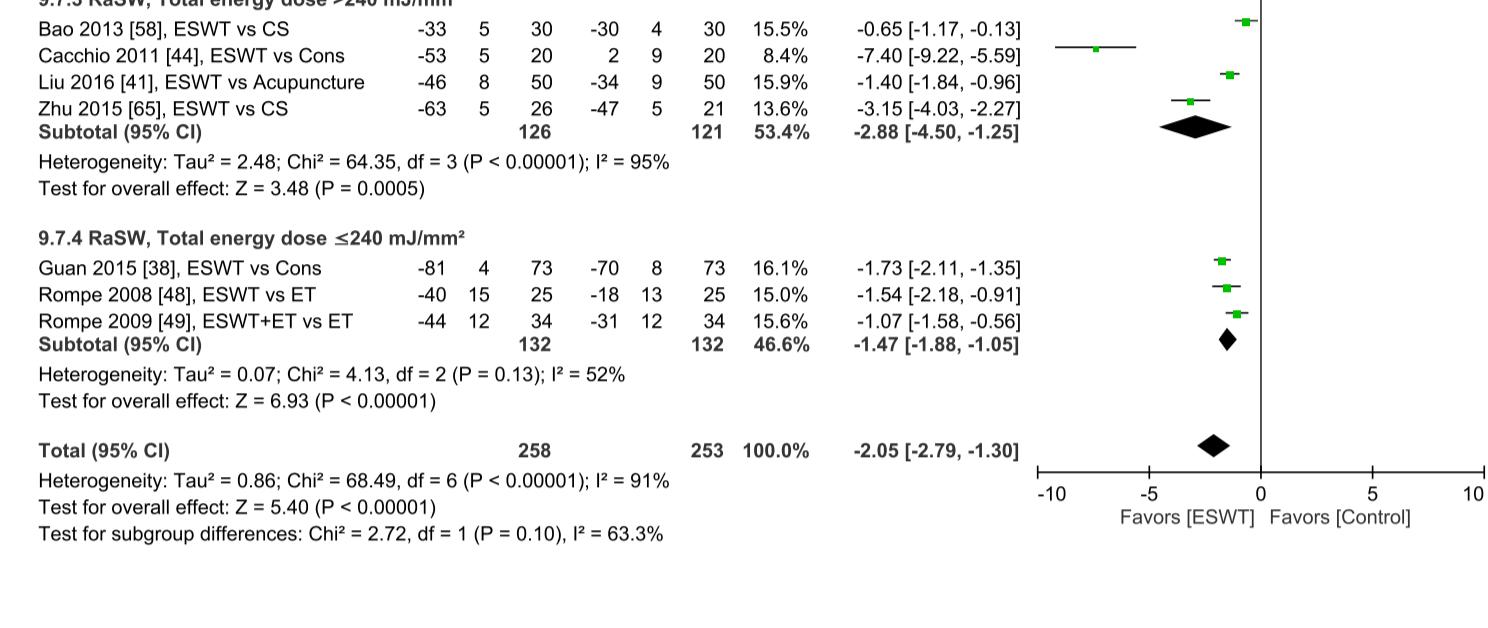


Supplementary Figure 8. Treatment effect of focus extracorporeal shock wave therapy on pain score at follow up time points. Subgroup analysis of dosage level. 95% CI = 95% confidence interval; Std. = standard; IV = inverse variance; Random = random-effects model; FoSW = focus extracorporeal shock wave; ESWT = extracorporeal shock wave therapy; non-ESWT = no application of shock wave treatment; Cons = conservative treatment; HT = home training; MT = manual therapy; ET = eccentric training.

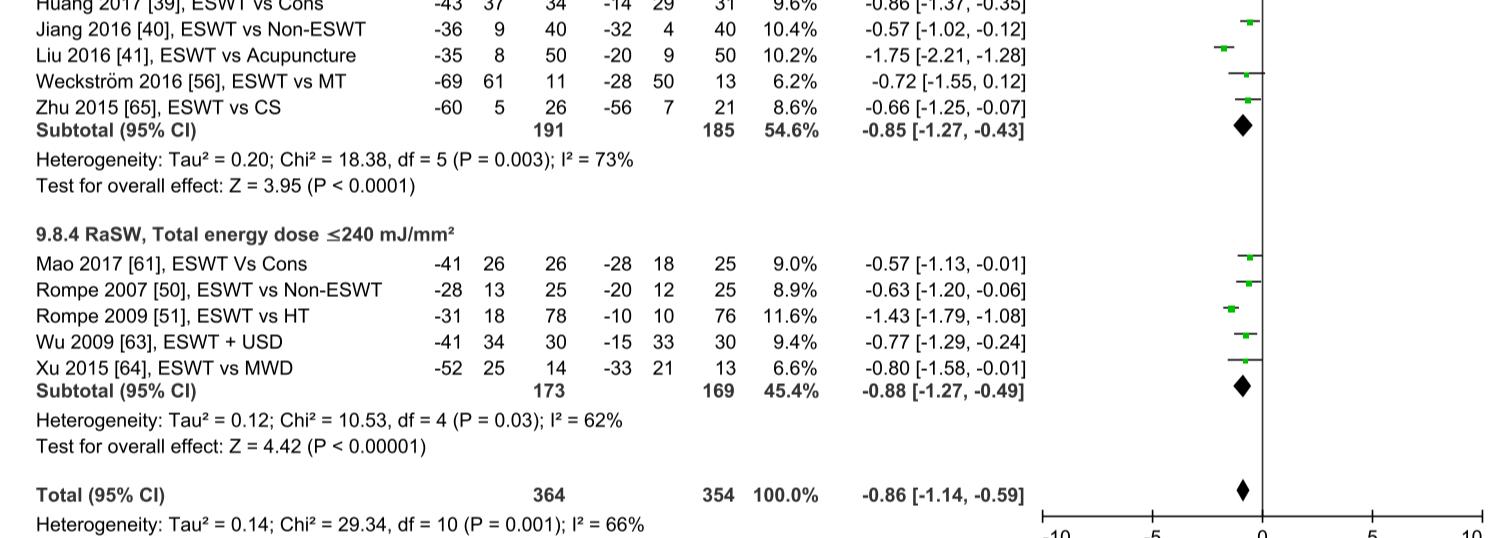
Long-term follow up (≥ 12 mon)



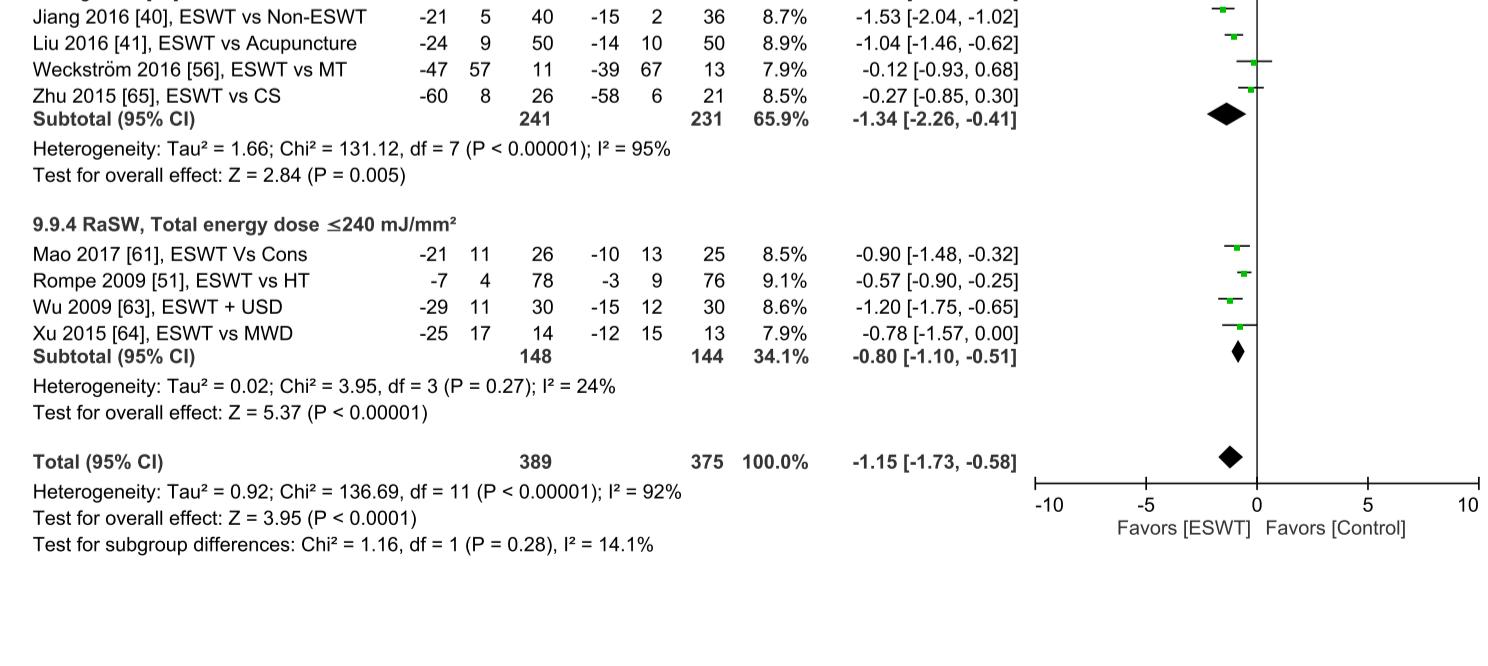
Medium-term follow up (>3 mon, ≤ 6 mon)



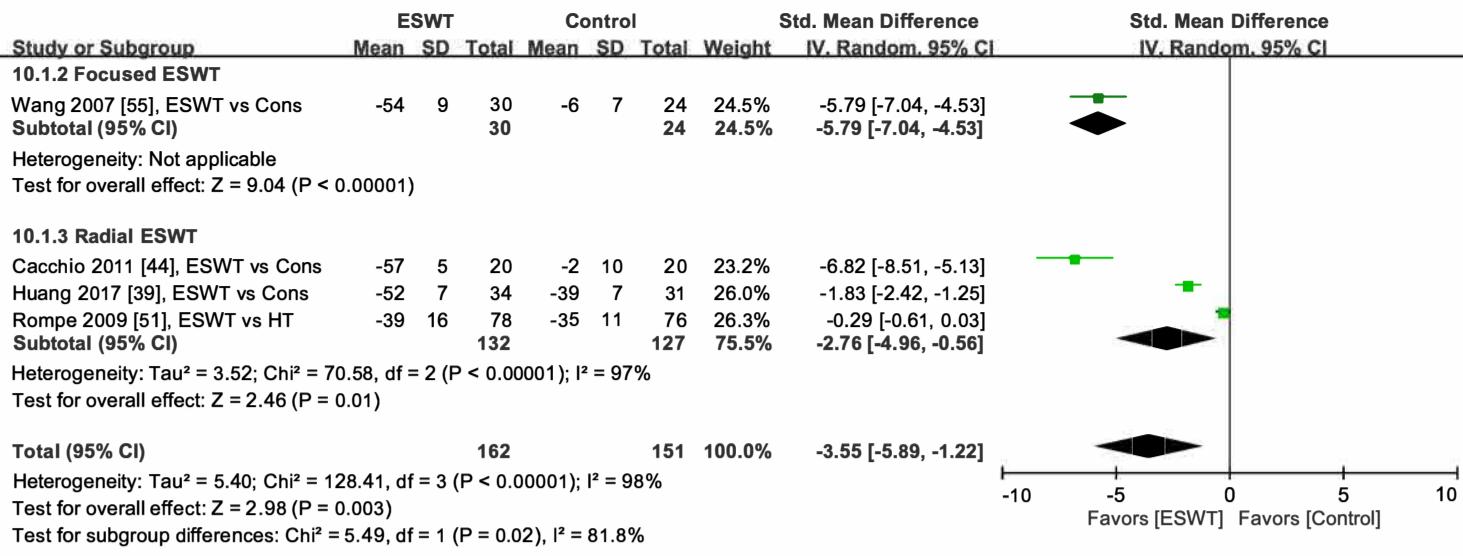
Short-term follow up (>1 mon, ≤ 3 mon)



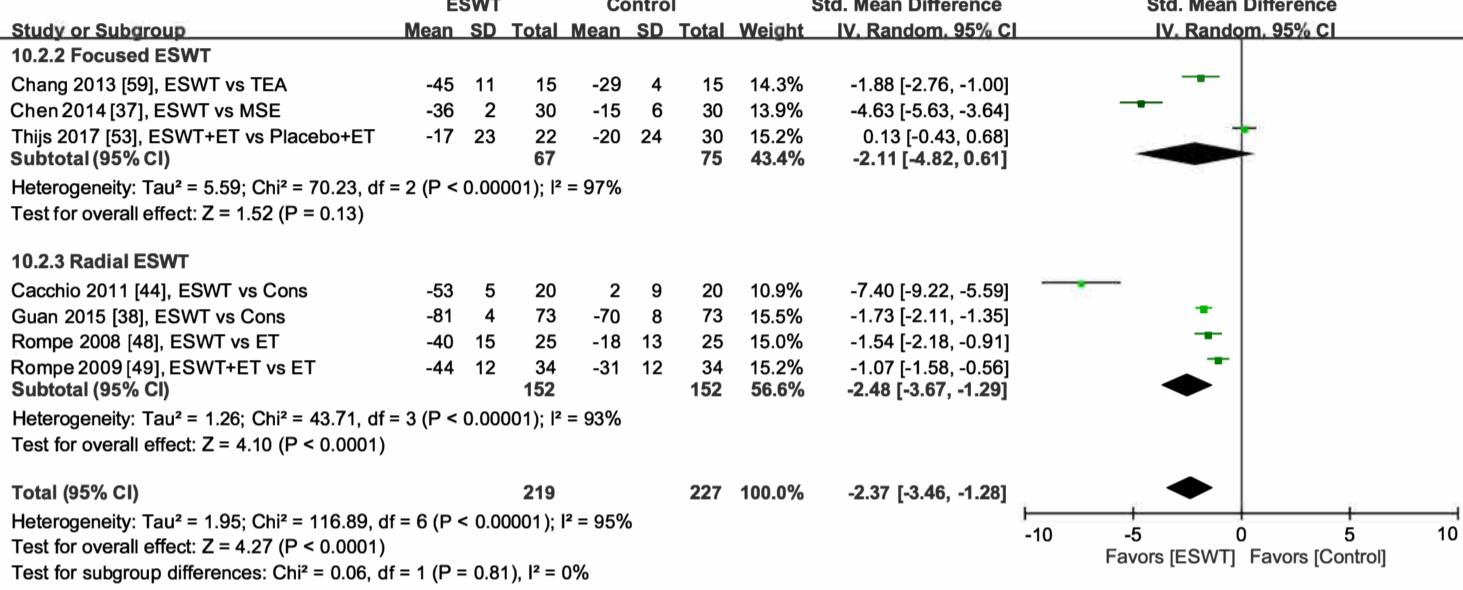
Immediate follow up (≤ 1 mon)



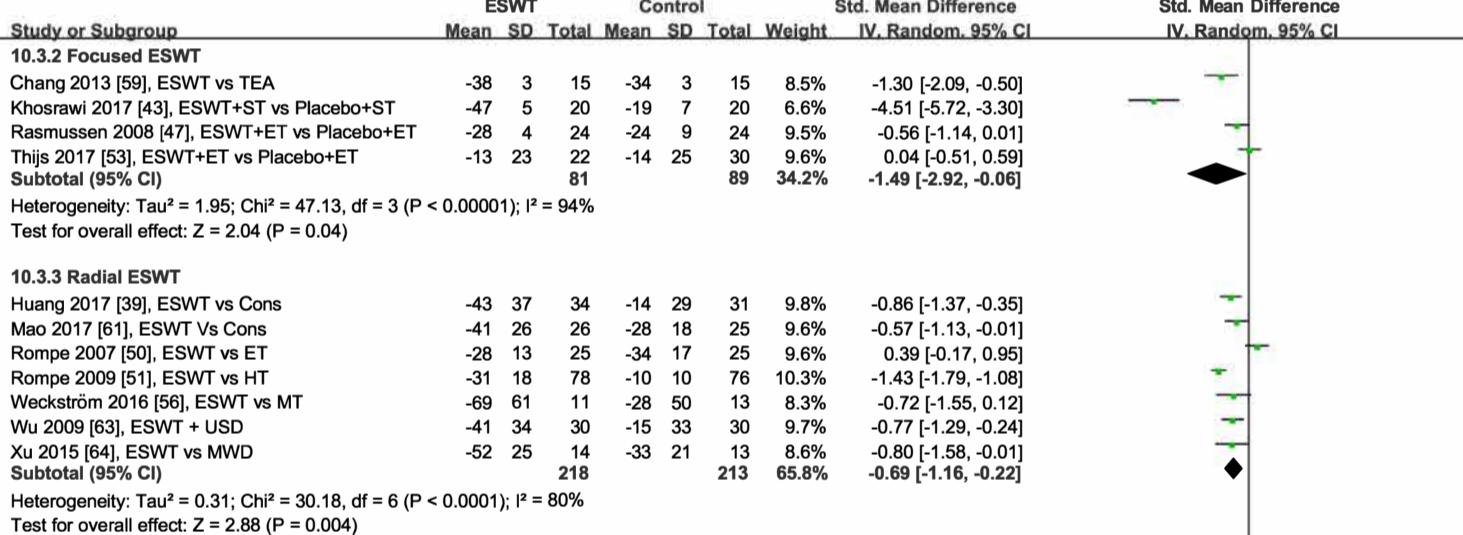
Long-term follow up (≥ 12 mon)



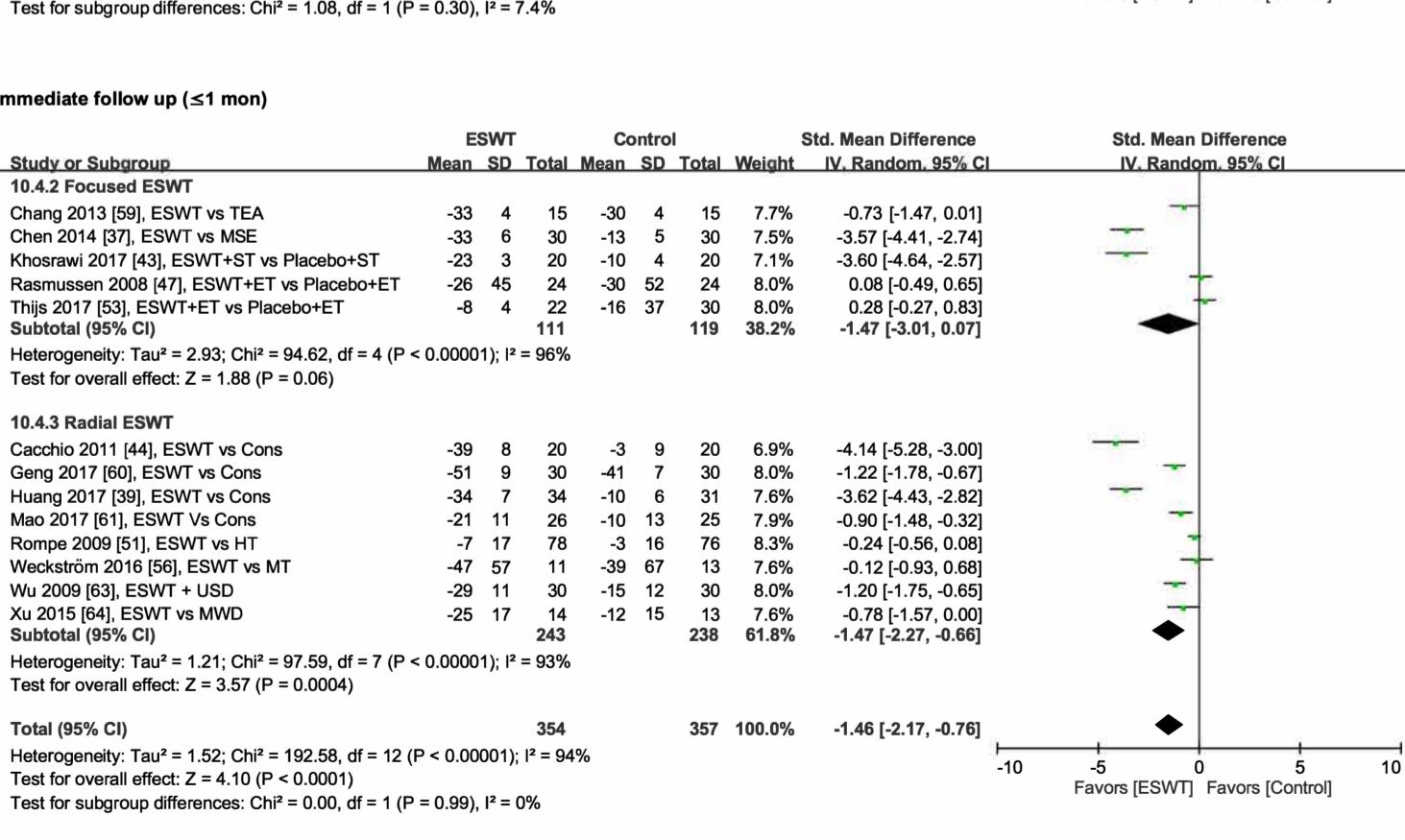
Medium-term follow up (>3 mon, ≤6 mon)



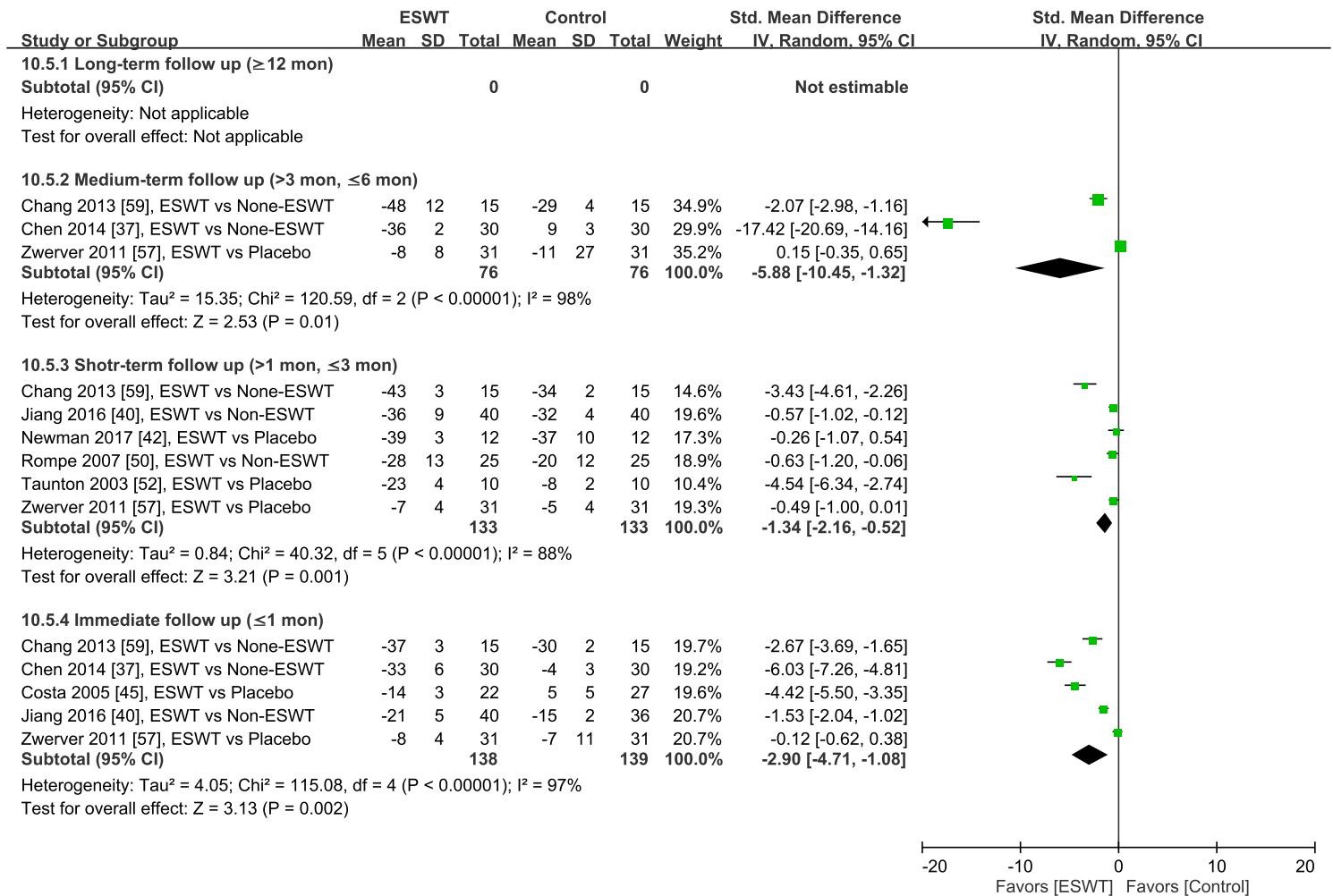
Short-term follow up (>1 mon, ≤3 mon)



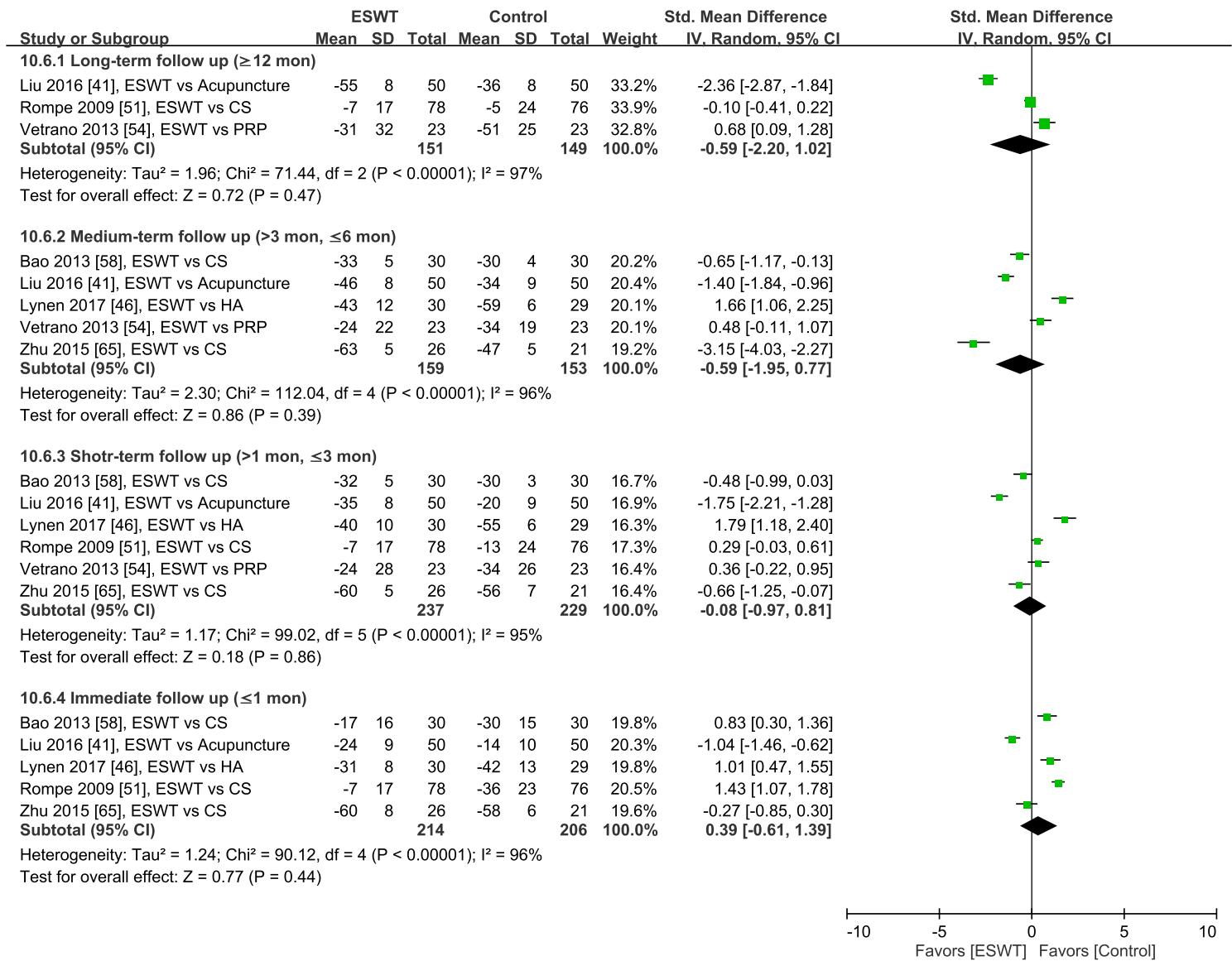
Test for overall effect: Z = 3.56 (I)



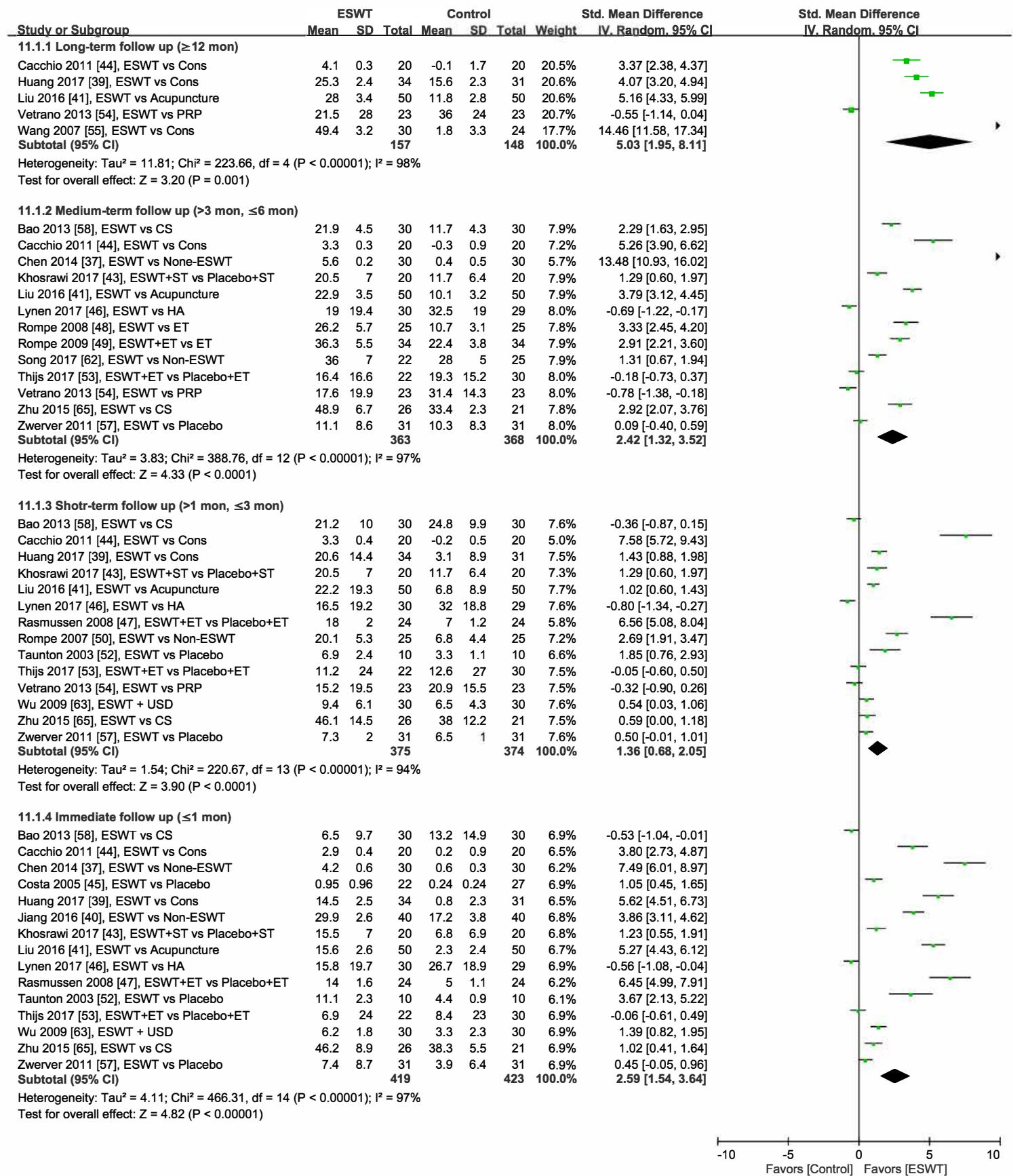
Supplementary Figure 10. Treatment effect of extracorporeal shock wave therapy on pain score compared to non-invasive active control during follow-up periods. 95% CI = 95% confidence interval; Std. = standard; IV = inverse variance; Random = random-effects model; ESWT = extracorporeal shock wave therapy; Cons = conservative treatment; HT = home training; MT = manual therapy; ET = eccentric training; ST = stretching exercise; TEA = traditional electro-acupuncture; MSE = muscle strength training; MWD = microwave diathermy; USD = ultrasound diathermy.



Supplementary Figure 11. Treatment effect of extracorporeal shock wave therapy on pain score compared to placebo during follow-up periods. 95% CI = 95% confidence interval; Std. = standard; IV = inverse variance; Random = random-effects model; ESWT = extracorporeal shock wave therapy; non-ESWT = no application of shock wave treatment.

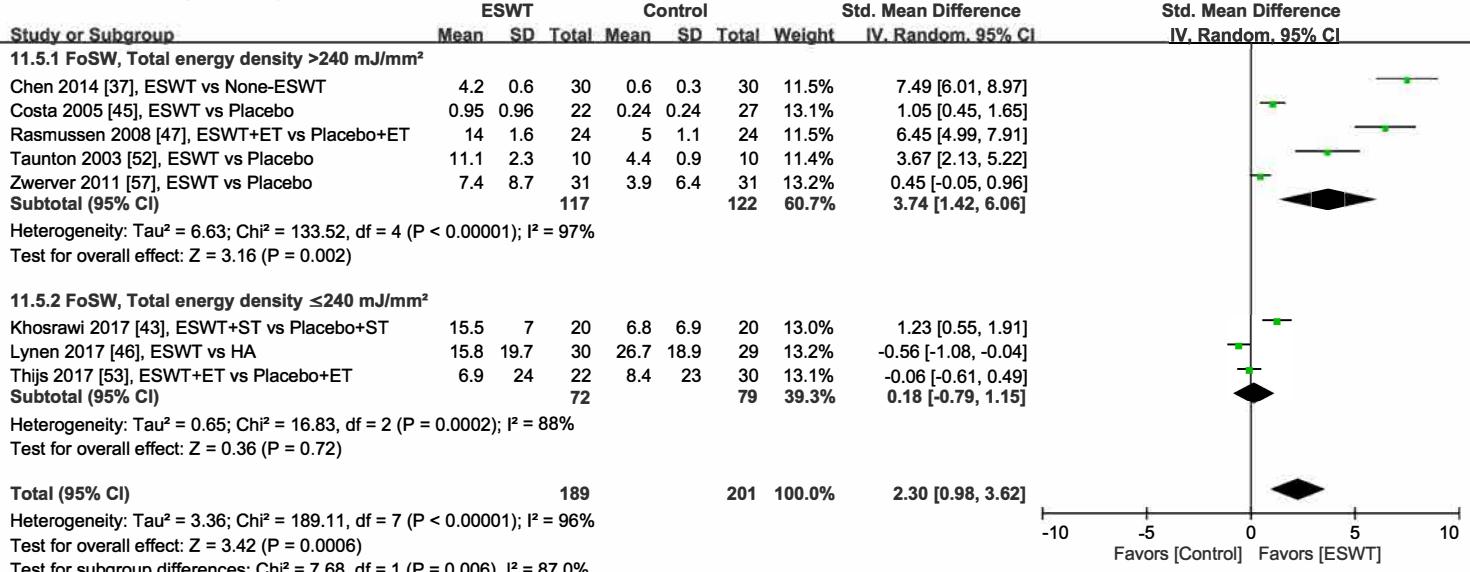


Supplementary Figure 12. Treatment effect of extracorporeal shock wave therapy on pain score compared to invasive active control during follow-up periods. 95% CI = 95% confidence interval; Std. = standard; IV = inverse variance; Random = random-effects model; ESWT = extracorporeal shock wave therapy; PRP = platelet-rich plasma injection; HA = hyaluronan injection; CS = local corticosteroid injection.

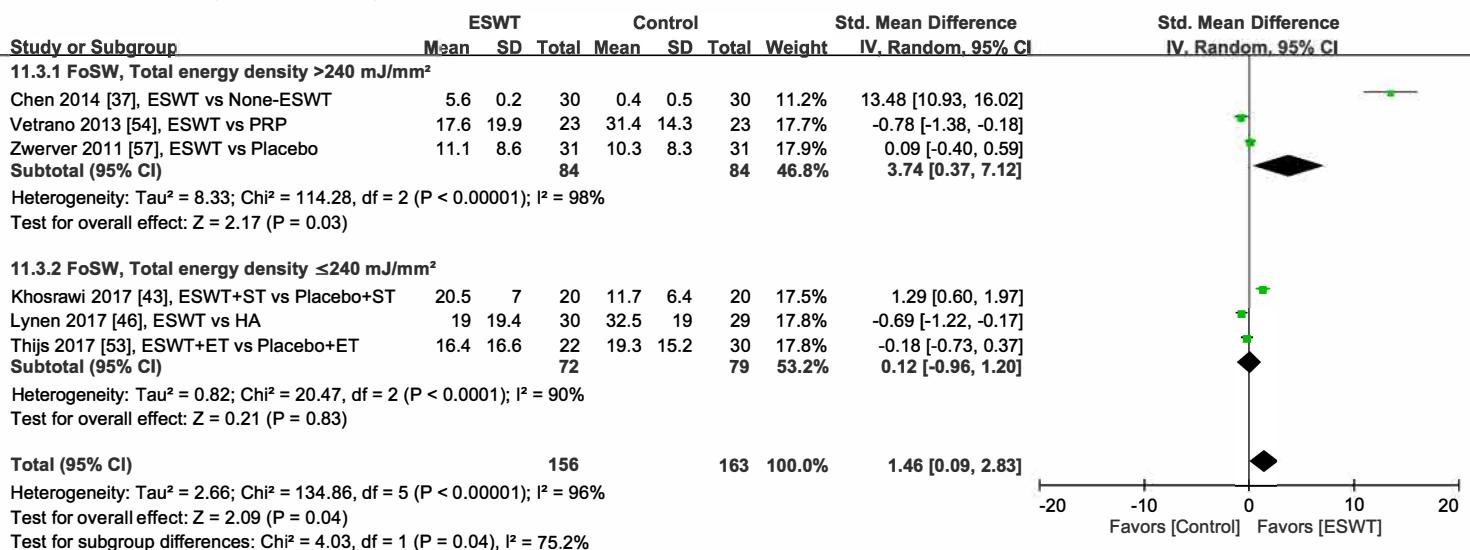


Supplementary Figure 13. Treatment effect of general extracorporeal shock wave therapy on function at follow up time points. 95% CI = 95% confidence interval; Std. = standard; IV = inverse variance; Random = random-effects model; ESWT = extracorporeal shock wave therapy; non-ESWT = no application of shock wave treatment; Cons = conservative treatment; PRP = platelet-rich plasma injection; HA = hyaluronan injection; CS = local corticosteroid injection; MWD = microwave diathermy; USD = ultrasound diathermy; ET = eccentric training; ST = stretching exercise.

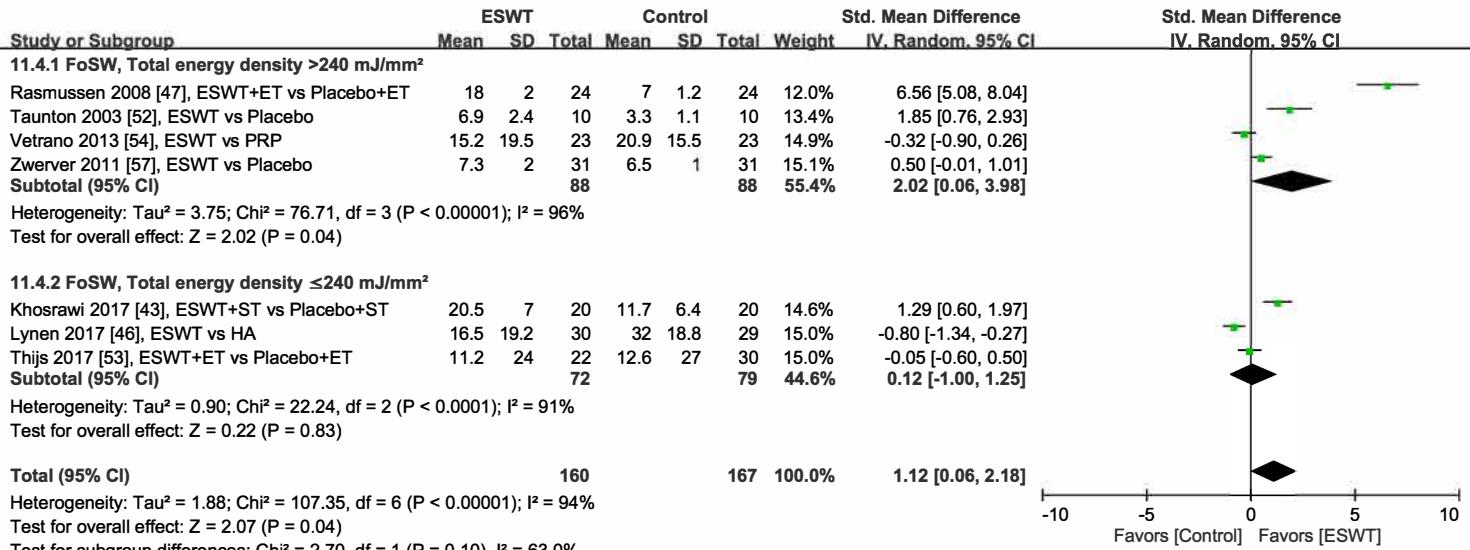
Long-term follow up (≥ 12 mon)



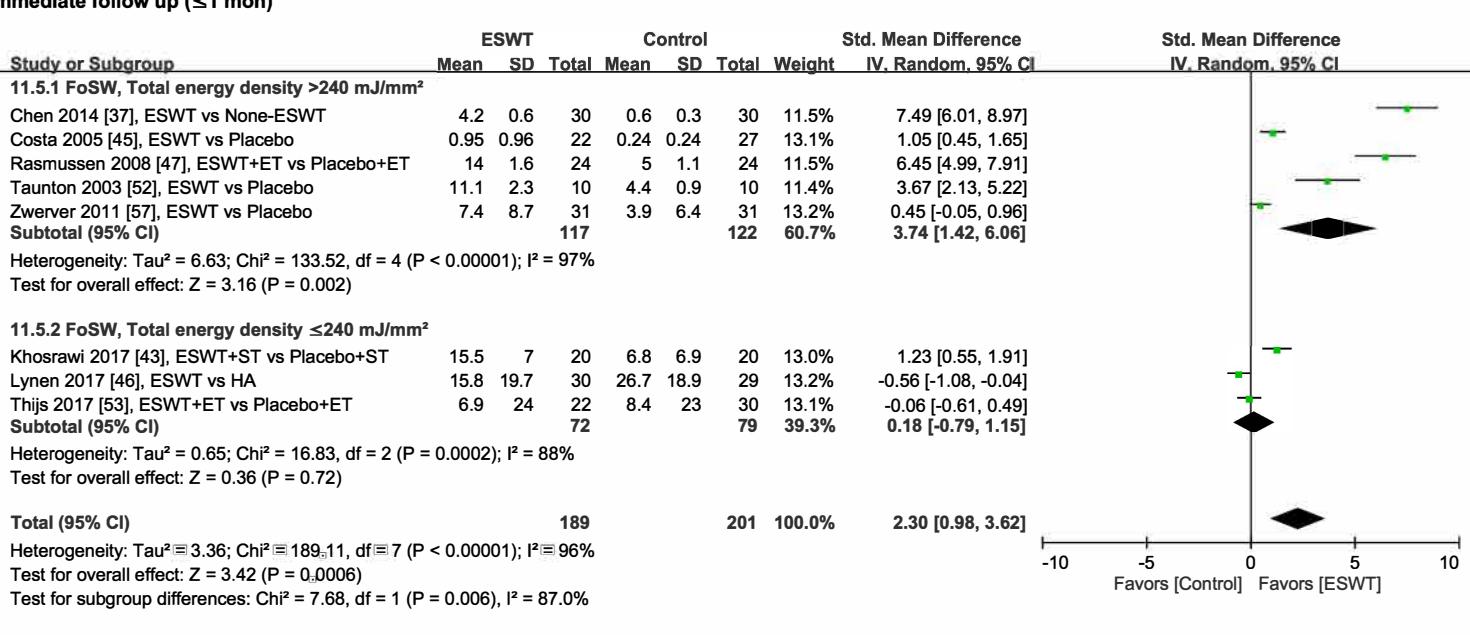
Medium-term follow up (>3 mon, ≤ 6 mon)



Short-term follow up (>1 mon, ≤ 3 mon)

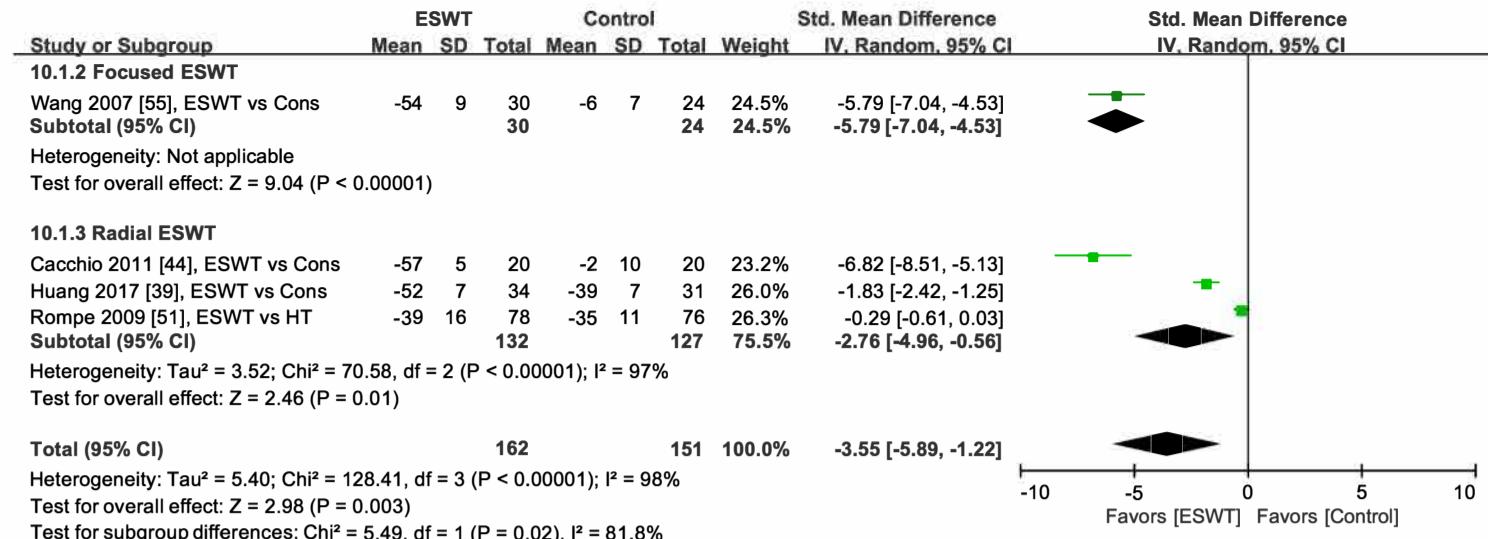


Immediate follow up (≤ 1 mon)

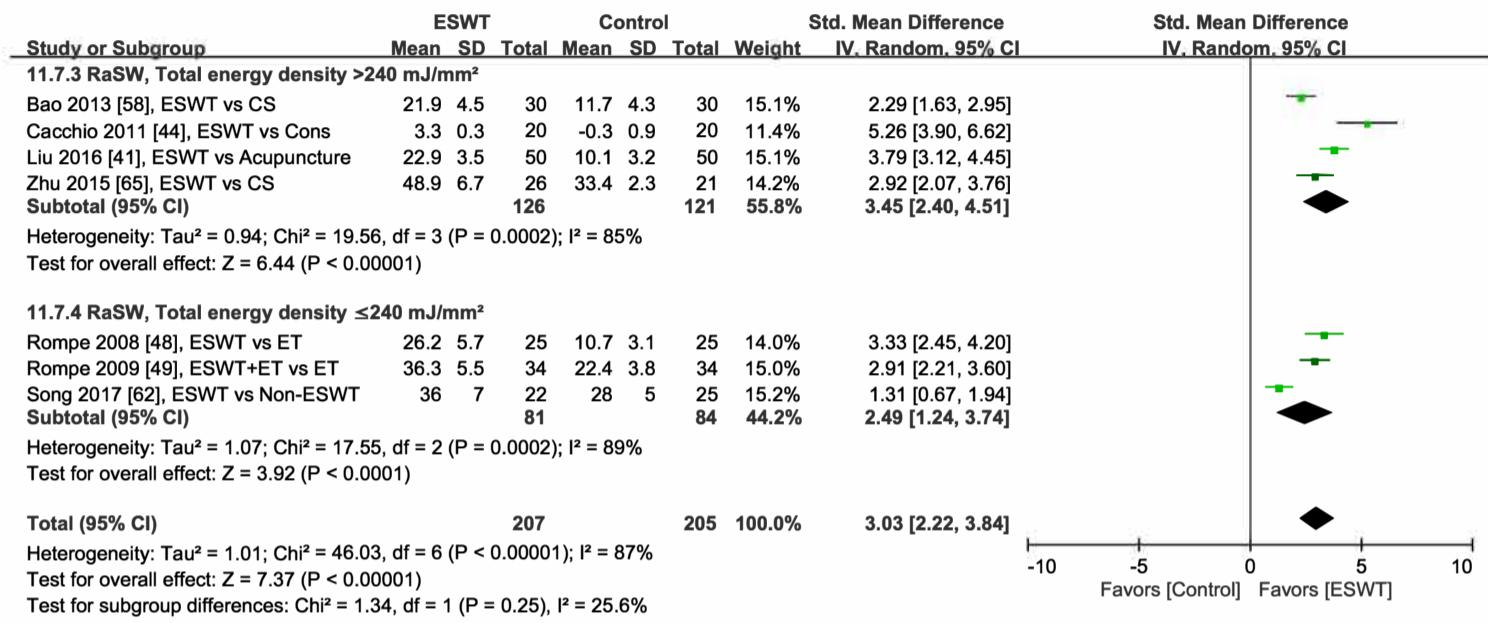


Supplementary Figure 14. Treatment effect of focused extracorporeal shock wave therapy on function at follow up time points. Subgroup analysis of dosage level. 95% CI = 95% confidence interval; Std. = standard; IV = inverse variance; Random = random-effects model; ESWT = extracorporeal shock wave therapy; Cons = conservative treatment; PRP = platelet-rich plasma injection; HA = hyaluronan injection; ET = eccentric training; ST = stretching exercise.

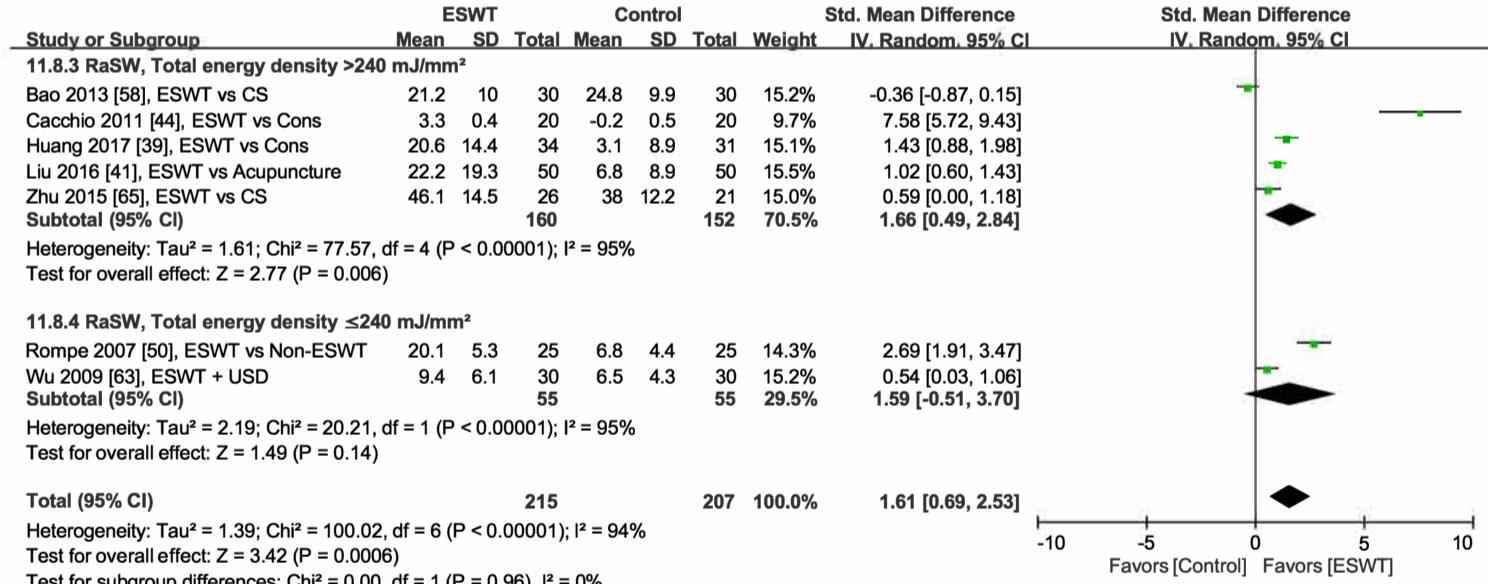
Long-term follow up (≥ 12 mon)



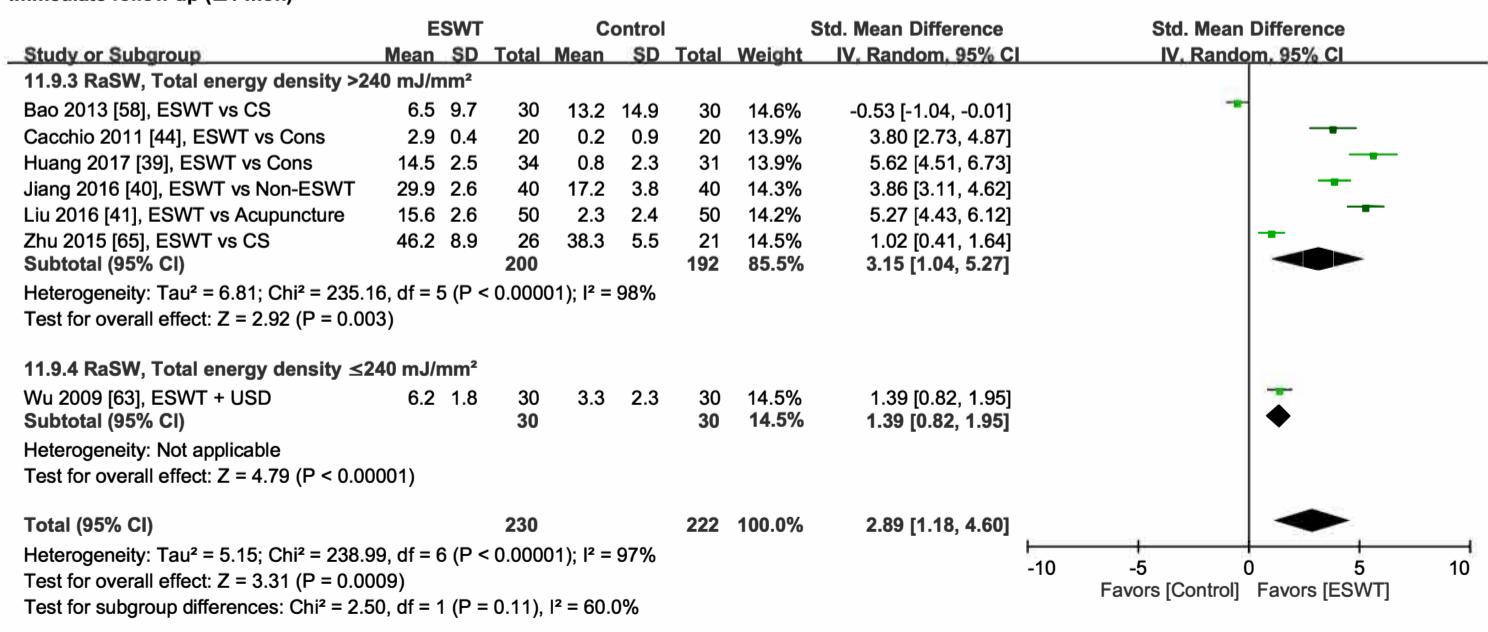
Medium-term follow up (>3 mon, ≤ 6 mon)



Short-term follow up (>1 mon, ≤ 3 mon)

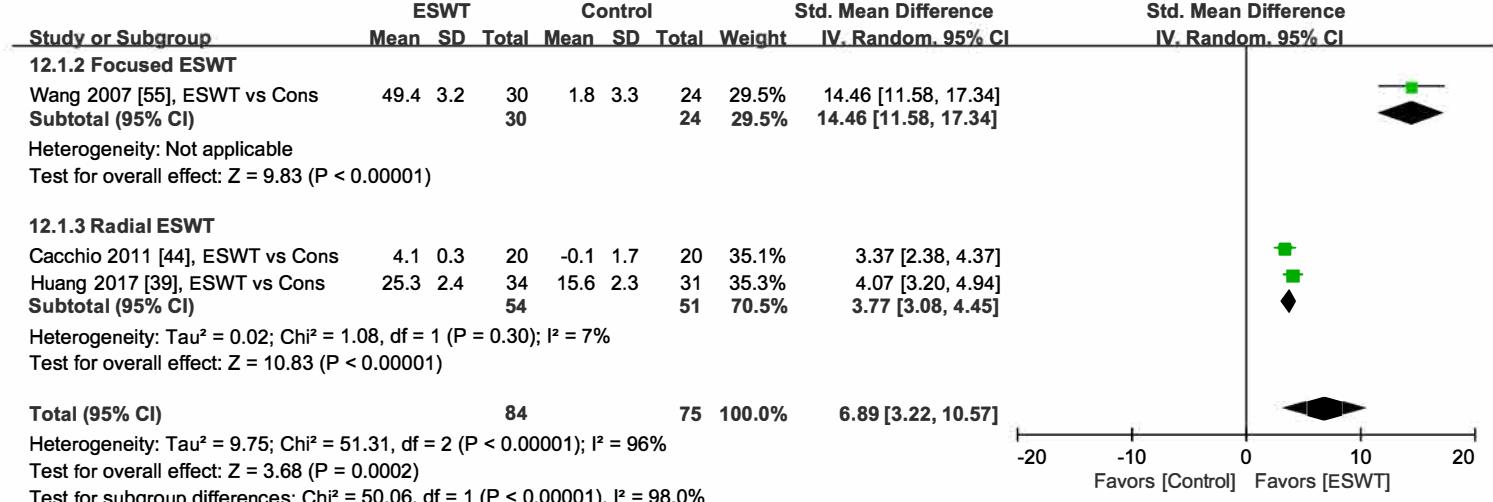


Immediate follow up (≤ 1 mon)

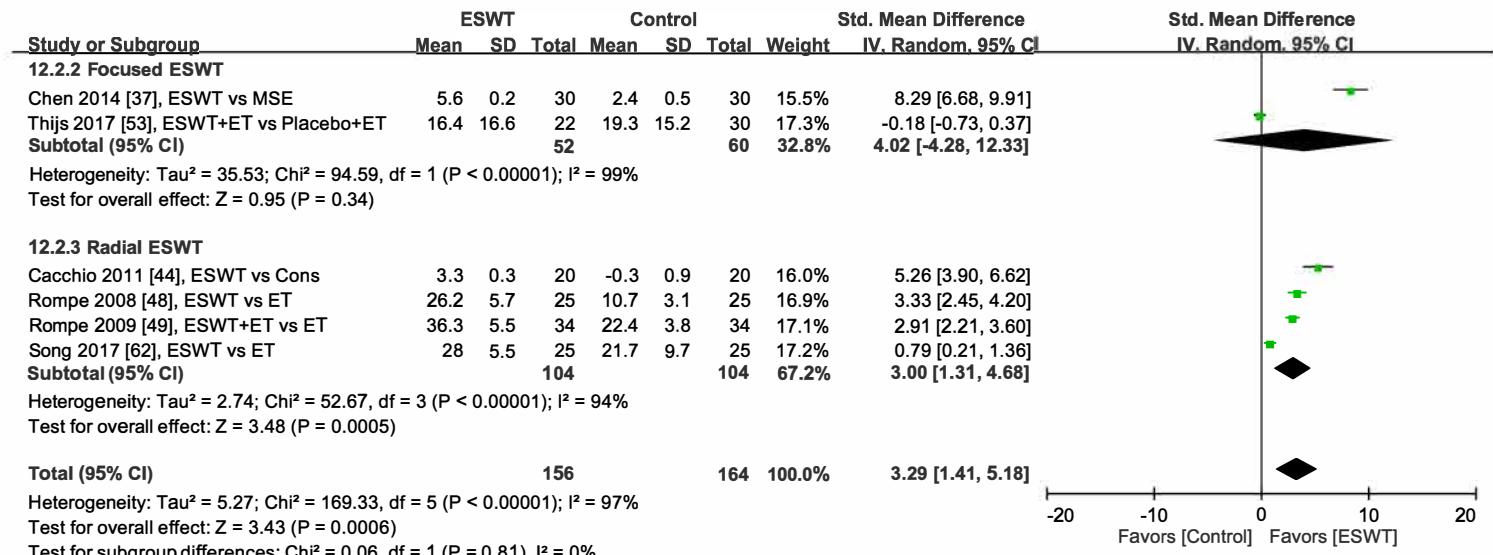


Supplementary Figure 15. Treatment effect of radial extracorporeal shock wave therapy on function at follow up time points. Subgroup analysis of dosage level. 95% CI = 95% confidence interval; Std. = standard; IV = inverse variance; Random = random-effects model; ESWT = extracorporeal shock wave therapy; non-ESWT = no application of shock wave treatment; Cons = conservative treatment; ET = eccentric training; CS = local corticosteroid injection; USD = ultrasound diathermy.

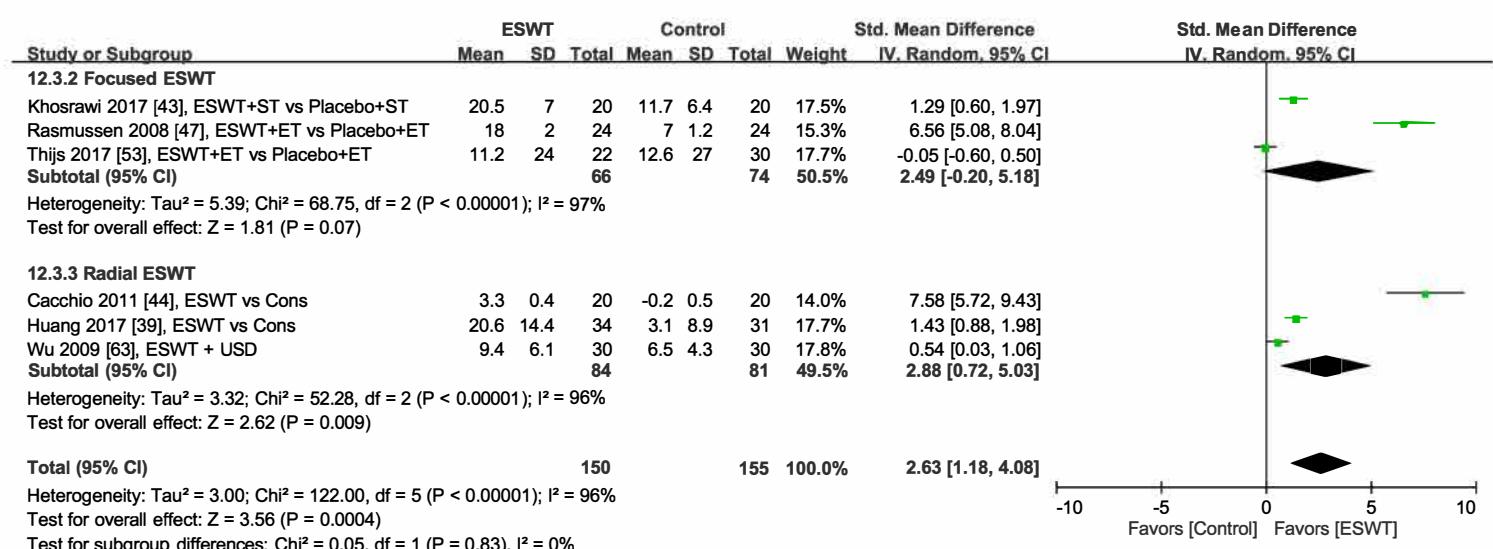
Long-term follow up (≥ 12 mon)



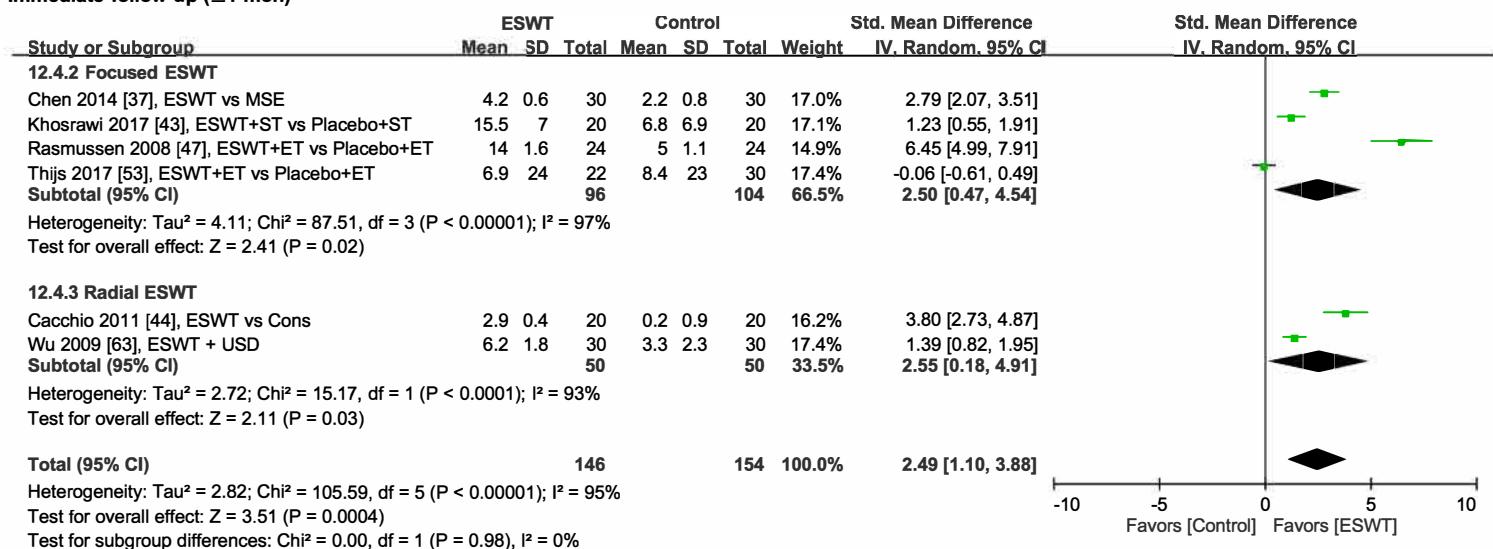
Medium-term follow up (>3 mon, ≤ 6 mon)



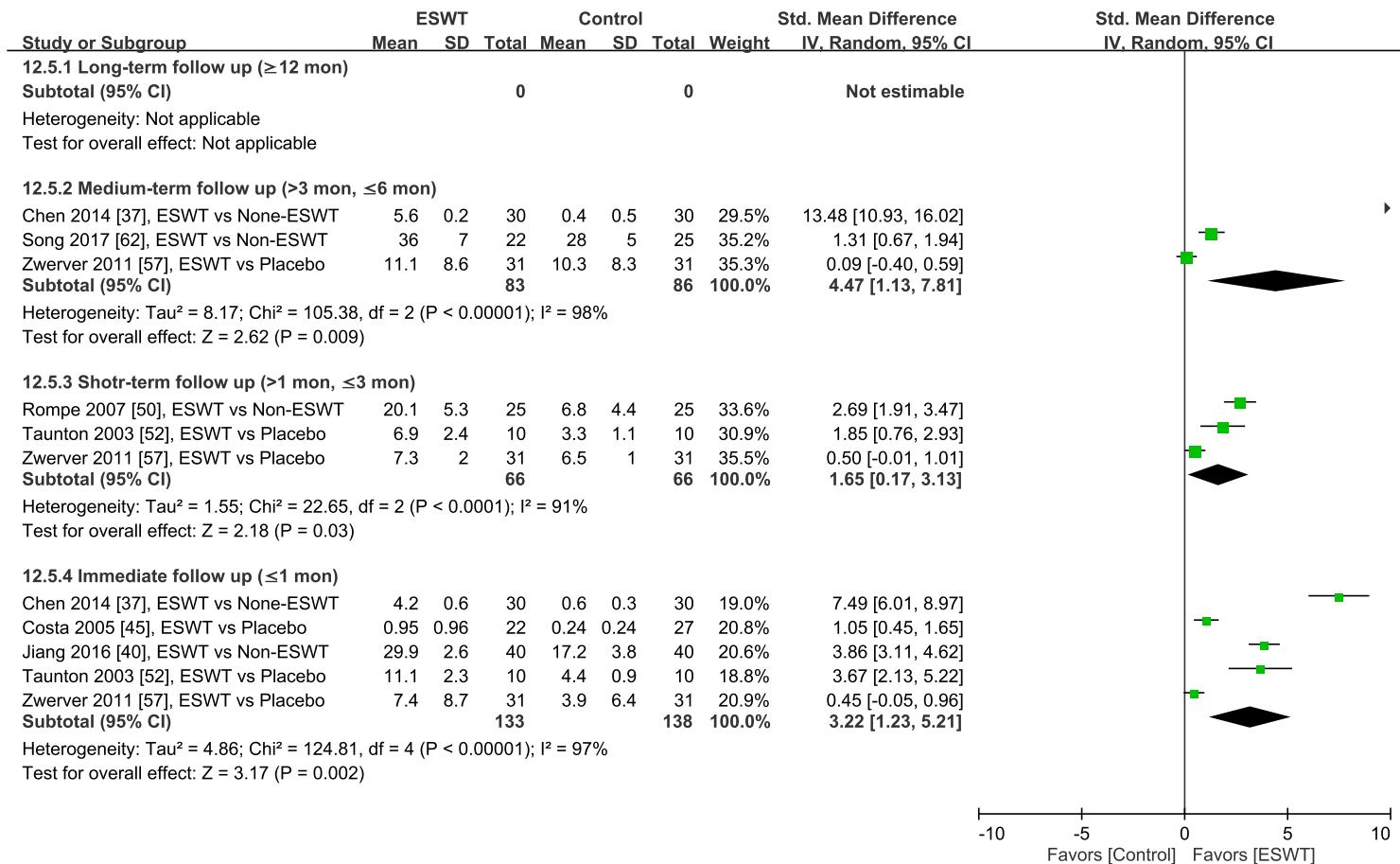
Short-term follow up (>1 mon, ≤ 3 mon)



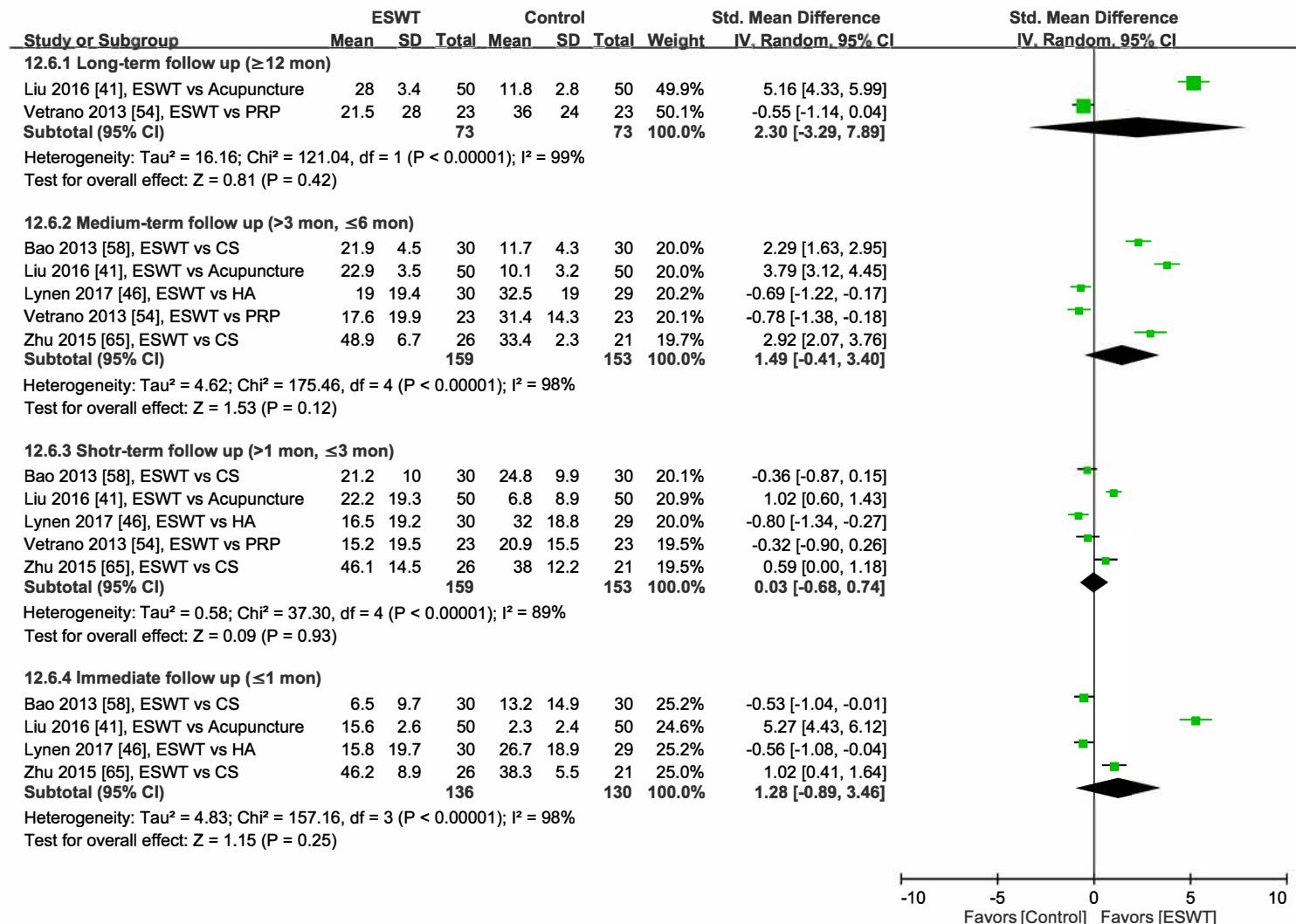
Immediate follow up (≤ 1 mon)



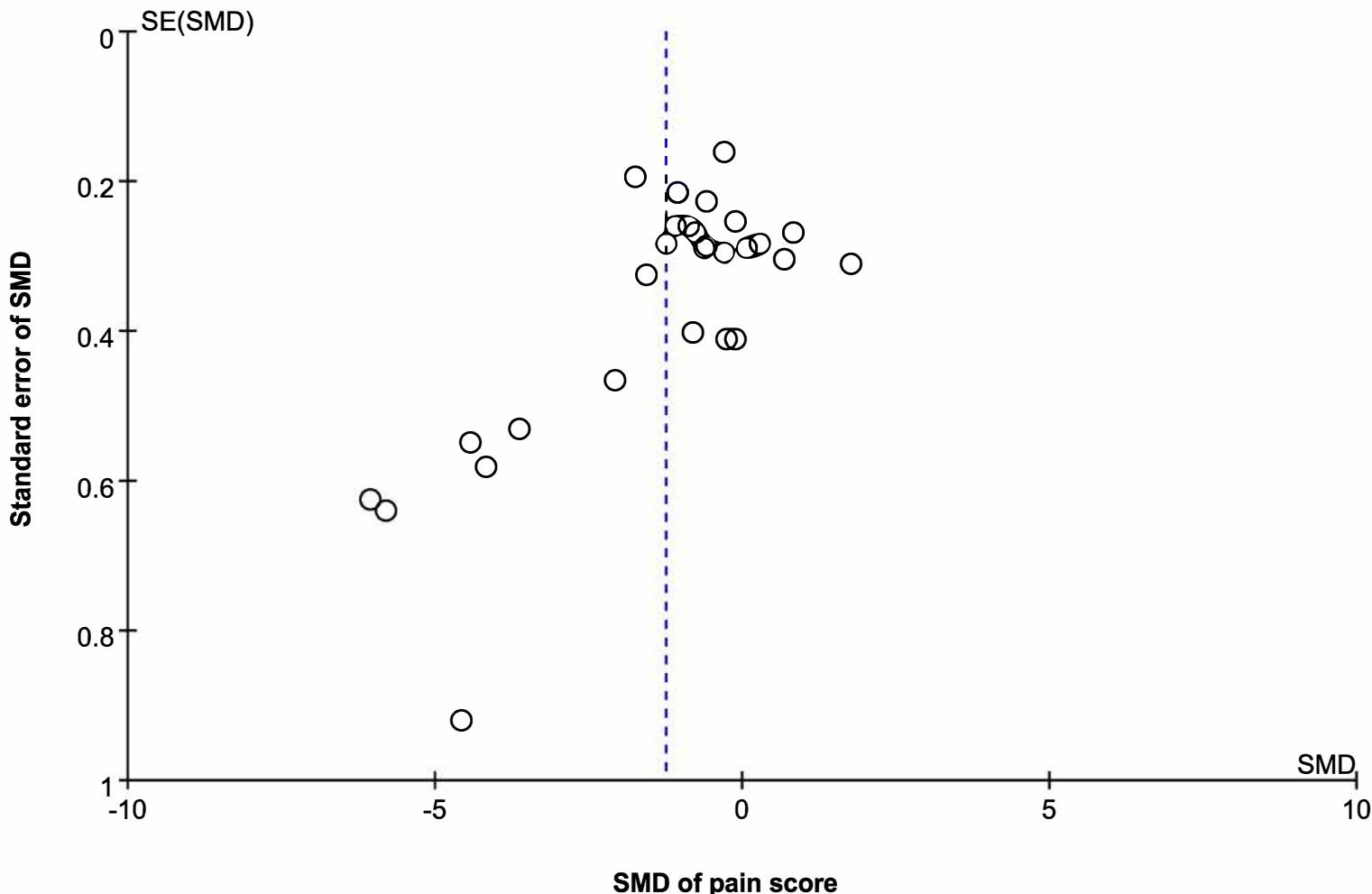
Supplementary Figure 16. Treatment effect of extracorporeal shock wave therapy on function compared to non-invasive active control during follow-up periods. 95% CI = 95% confidence interval; Std. = standard; IV = inverse variance; Random = random-effects model; ESWT = extracorporeal shock wave therapy; Cons = conservative treatment; ET = eccentric training; ST = stretching exercise; MSE = muscle strength training; USD = ultrasound diathermy.



Supplementary Figure 17. Treatment effect of extracorporeal shock wave therapy on function compared to placebo control during follow-up periods. 95% CI = 95% confidence interval; Std. = standard; IV = inverse variance; Random = random-effects model; ESWT = extracorporeal shock wave therapy; non-ESWT = no application of shock wave treatment.



Supplementary Figure 18. Treatment effect of extracorporeal shock wave therapy on function compared to invasive active control during follow-up periods. 95% CI = 95% confidence interval; Std. = standard; IV = inverse variance; Random = random-effects model; ESWT = extracorporeal shock wave therapy; PRP = platelet-rich plasma injection; HA = hyaluronan injection; CS = local corticosteroid injection.



Supplementary Figure 19. Publication bias plot. The SMDs of pain score is plotted on the x axis and standard error of SMD is plotted on the y axis. The vertical dotted line indicates the mean value of the SMDs. Visual inspection of the funnel plot of the SMDs of pain score did not reveal substantial asymmetry. Egger's linear regression test indicated no evidence of reporting bias among the studies ($t = 1.75$, $P = 0.09$). SMD, standard mean difference.