

SUPPLEMENTARY TABLES

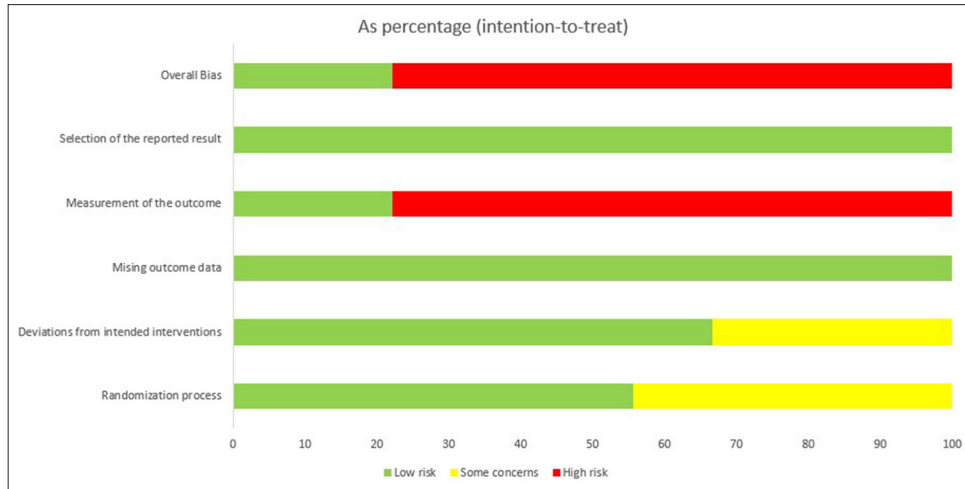
Supplementary Table 1: Detailed search strategy.

Database	Search Strategy
PubMed 27 Results	("dry needling"[MeSH Terms] OR ("dry"[All Fields] AND "needling"[All Fields]) OR "dry needling"[All Fields]) AND (("mechanical"[All Fields] OR "mechanically"[All Fields] OR "mechanicals"[All Fields] OR "mechanics"[MeSH Terms] OR "mechanics"[All Fields] OR "mechanic"[All Fields]) AND ("neck pain"[MeSH Terms] OR ("neck"[All Fields] AND "pain"[All Fields]) OR "neck pain"[All Fields]))
Scopus 35 Results	Dry Needling AND Mechanical Neck Pain
Cochrane Library 59 Trials	Dry Needling AND Mechanical Neck Pain
Google Scholar 22,800 Results	Dry Needling AND Mechanical Neck Pain

Supplementary Table 2: Detailed eligibility criteria.

Inclusion criteria	Exclusion criteria
Adult participants aged 18 years or older	Fibromyalgia syndrome
Diagnosed with chronic and mechanical neck pain	
Received dry needling therapy as part of the intervention	Trauma and whiplash injury
Studies that have outcomes of interest: PPT, NDI, cervical range of motion	Cervical radiculopathy and/or myelopathy
Randomized Controlled Trials	Quasi-experimental, observational, case reports, case series, reviews, non-human studies, editorials, or conference abstracts
PPT: Pain pressure threshold, NDI: Nick's disability index	

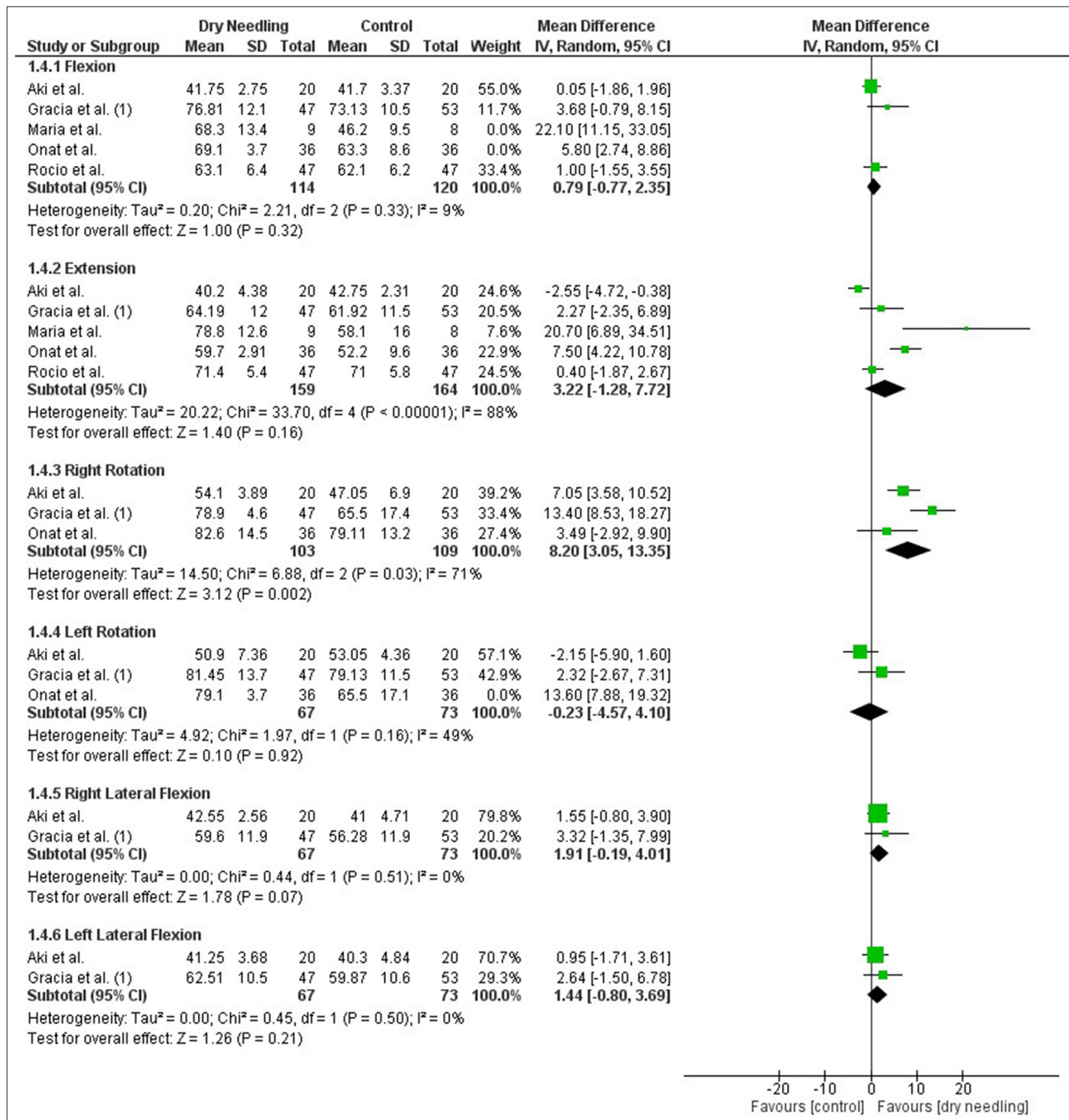
SUPPLEMENTARY FIGURES



Supplementary Figure S1: Summary plot for quality assessment of the systematic review and meta-analysis. SD: Standard deviation, CI: Confidence interval.

Intention-to-treat	Study ID	D1	D2	D3	D4	D5	Overall	
	Calero et al. 2023	+	+	+	+	+	+	+
	Gracia et al. 2020	!	+	+	-	+	-	!
	Gracia et al. 2022	+	+	+	+	+	+	-
	Maria et al. 2014	!	!	+	-	+	-	
	Onat et al. 2019	+	!	+	-	+	-	D1 Randomisation process
	Jose et al. 2020	+	+	+	-	+	-	D2 Deviations from the intended interventions
	Rocio et al. 2014	!	+	+	-	+	-	D3 Missing outcome data
	Gattie et al. 2021	+	+	+	-	+	-	D4 Measurement of the outcome
	Aki et al. 2020	!	!	+	-	+	-	D5 Selection of the reported result

Supplementary Figure S2: Traffic light plot of quality assessment of the included studies. SD: Standard deviation, CI: Confidence interval.



Supplementary Figure S3: Sensitivity analysis of cervical range of motion. SD: Standard deviation, CI: Confidence interval.