

The search strategy was modified for each database in case of differences in indexing terms.

PEdro

The search strategy as inserted in PEDro:

SEARCH TERM: "respiratory drive" → 13 articles

SEARCH TERM: "NEURAL DRIVE" → 15 articles

SEARCH TERM: "EMGdi" → 3 articles

SEARCH TERM: "EAdi" → 0 articles

SEARCH TERM: "diaphragm electrical activation" → 0 articles

TOTAL: 31 articles

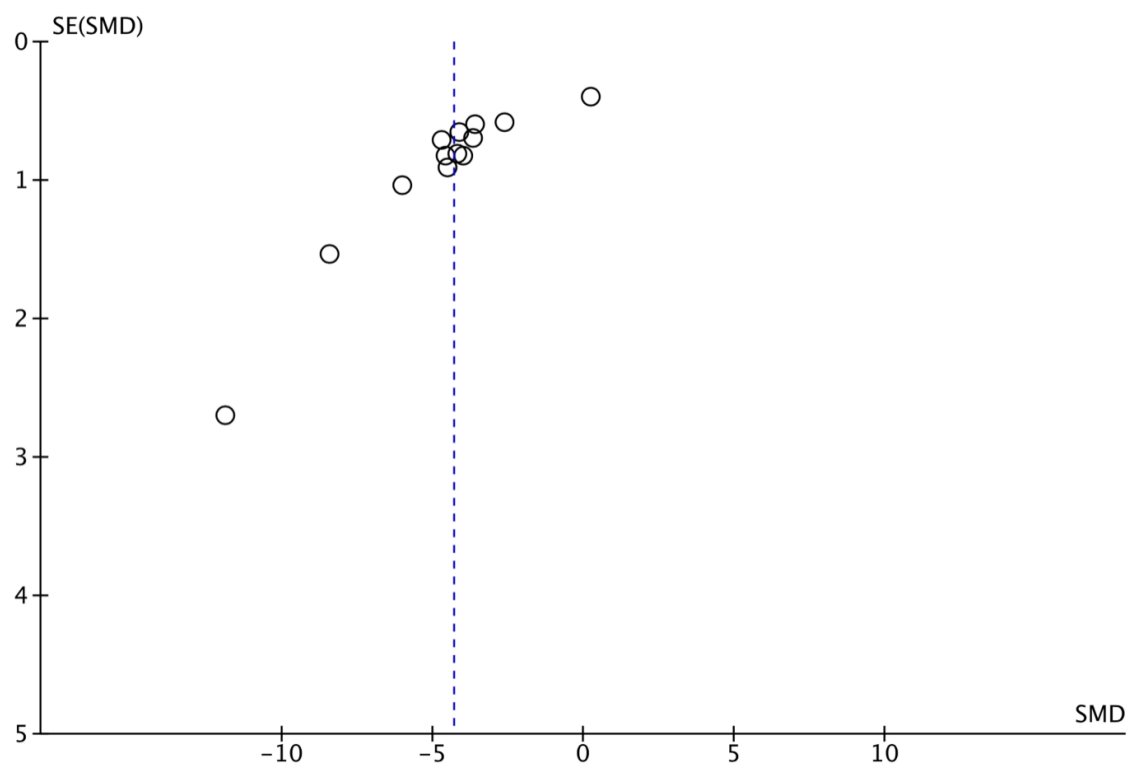
SCIENCE DIRECT

SEARCH TERMS: (rehabilitation OR exercise OR TRAINING) AND ("respiratory drive" OR "NEURAL DRIVE" OR "EMGdi" OR "EAdi") AND (COPD)

Cochrane Central Register of Controlled Trials

SEARCH TERMS: ("RESPIRATORY DRIVE" OR "VENTILATORY DRIVE" OR "NEURAL RESPIRATORY DRIVE" OR "CENTRAL RESPIRATORY DRIVE" OR "NEURAL DRIVE" OR "diaphragmatic electromyography" OR EMGdi OR "diaphragm electrical activation" OR EAdi OR "neural respiratory drive" OR "diaphragm EMG") AND (exercise OR "AEROBIC EXERCISE" OR "BREATHING EXERCISES" OR "RESISTANCE EXERCISE" OR "CARDIOPULMONARY EXERCISE" OR "PHYSICAL EXERCISE" OR "INTENSITY EXERCISE" OR "ECCENTRIC EXERCISE" OR "HIGH INTENSITY EXERCISE" OR "INTERMITTENT EXERCISE" OR "CONTINUOUS EXERCISE" OR "EXERCISE BASED REHABILITATION" OR "LOW INTENSITY EXERCISE" OR "EXERCISE TRAINING" OR "respiratory muscle training" OR "STRENGTH TRAINING" OR "strength muscle" OR "physical endurance" OR "RESISTANCE TRAINING" OR "STRENGTH TRAINING" OR "MUSCLE TRAINING" OR "HIGH INTENSITY INTERVAL TRAINING" OR HIIT OR HIT OR "INTERVAL TRAINING" OR "AEROBIC TRAINING" OR "ENDURANCE TRAINING" OR "RESPIRATORY MUSCLE TRAINING" OR "INSPIRATORY MUSCLE TRAINING" OR "EXPIRATORY MUSCLE TRAINING" OR "PLYOMETRIC TRAINING" OR "WEIGHT TRAINING" OR "PHYSICAL TRAINING" OR WALKING OR SWIMMING OR RUNNING OR CYCLING OR DANCING OR "Electrical stimulation" OR "electrical muscle stimulation" OR "diaphragm electrical stimulation") AND (COPD OR "CHRONIC OBSTRUCTIVE PULMONARY DISEASE")

Supplementary Figure 1. Funnel Plot of Meta-analysis.



Supplementary Figure 2: Trial sequential analysis graph.

