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# Effectiveness of exercise therapy and self-management education to improve physical activity levels in patients with acute exacerbations of chronic obstructive pulmonary disease: protocol of a systematic review and meta-analysis V.2

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We aimed to evaluate the effectiveness of exercise therapy and self-management education in improving physical activity levels (PA) in patients with acute exacerbations of chronic obstructive pulmonary disease (AECOPD) and to provide future research directions. We plan to include all randomized controlled trials (RCTs) of exercise therapy and self-management education or either intervention alone designed to improve PA in patients with AECOPD. We will determine the differential effects of exercise therapy and self-management education interventions on daily steps, moderate to vigorous activity time (MVPA), and sedentary equivalent time (SB) (P: AECOPD, I: 1. exercise therapy, 2. self-management education, 3. exercise therapy and self-management education, C: usual care, O: steps per day, MVPA, SB). In this review, we plan to use five databases. Two reviewers will screen articles to identify studies for inclusion. For risk of bias assessment, we will use Risk of Bias 2 tool.

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