

Psychosocial interventions may help chronic obstructive pulmonary disease

February 10 2015

A group of Danish investigators reports on data that suggest that psychosocial interventions may be helpful in chronic obstructive pulmonary disease in the current issue of P&P. Psychosocial intervention has been suggested as a potentially effective supplement to medical treatment in chronic obstructive pulmonary disease (COPD), but no reviews so far have quantified the existing research in terms of both psychological and physical health outcomes.

The Authors conducted a systematic review and meta-analysis of controlled trials evaluating the effects of psychosocial interventions on psychological and physical health outcomes in COPD. Two independent raters screened 1,491 references for eligibility. Twenty independent studies investigating a total of 1,361 patients were included, assessed for their methodological quality, and subjected to meta-analytic evaluation. After adjusting for potential publication bias, a statistically significant overall effect was found for psychological (Hedges' $g = 0.38$, 95% confidence interval, CI = 0.19-0.58; p

Taken together, the results lend support to [psychosocial intervention](#) as a tool in the management of COPD. However, due to indications of possible publication bias towards positive findings, the results should be interpreted with some caution, and more high quality research is needed.

More information: Farver-Vestergaard I, Jacobsen D, Zachariae R. "Efficacy of Psychosocial Interventions on Psychological and Physical Health Outcomes in Chronic Obstructive Pulmonary Disease: A

Systematic Review and Meta-Analysis." *Psychother Psychosom* 2015;84:37-50, [DOI: 10.1159/000367635](https://doi.org/10.1159/000367635).

Provided by Journal of Psychotherapy and Psychosomatics

Citation: Psychosocial interventions may help chronic obstructive pulmonary disease (2015, February 10) retrieved 13 February 2024 from <https://medicalxpress.com/news/2015-02-psychosocial-interventions-chronic-obstructive-pulmonary.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.