Abstract Group: 1.6. General Practice and Primary Care

Keyword 1: COPD - management Keyword 2: Quality of life Keyword 3: Primary care

Title: Quality of life in patients with COPD three years after a multidisciplinary program of pulmonary rehabilitation in primary care

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Body: Background: COPD is an irreversible widespread disease which increases dramatically. According to previous research the quality of life in (QoL) patients with COPD is impaired but can be improved by pulmonary rehabilitation. Aim: The aim of this study was to evaluate if a six week nurse-led multidisciplinary program for pulmonary rehabilitation in primary care had effect on quality of life in patients with COPD in a three-year period. Method: Quasi experimental design was used to evaluate the program. The intervention group consisted of 40 patients who had participated in the program. The control group consisted of 24 patients who received traditional care. QoL was measured at baseline, after one year and after three years using Clinical COPD Questionnaire (CCQ). Statistical analysis of differences within the groups over the three years was performed by means of Friedmans test. Mann-Whitney U test was used to analyze differences between the groups. Results: There was no statistically significant difference between the groups at baseline. There was no statistically significant difference in improvement between the groups during a three year perspective for CCQ total. Neither was there any statistically significant difference within the control group. During a three year perspective there was a statistically significant difference of improvement within the intervention group for CCQ total (p=0.037) and CCQ functional state (p=0.026). Conclusion: The rehabilitation program had an improving effect on QoL in patients with COPD within the intervention-group during a three year perspective.