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## Rhino-Sinusitis is a frequent problem in COPD

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By Claudia Gerhards

GRIN Verlag Dez 2015, 2015. Taschenbuch. Condition: Neu. Neuware - Doctoral Thesis / Dissertation from the year 2015 in the subject Medicine - Internal Medicine, grade: passed, University of Basel, course: Pneumologie, language: English, abstract: Background: The prevalence and nature of upper respiratory changes in patients with COPD and its impact on COPD outcomes are unclear. Methods: Patients with stable COPD GOLD stages 1-4 and a control group without COPD matched in gender and age were recruited at the University Hospital Basel. The difference in the Sino-Nasal-Outcome-20 questionnaire (SNOT-20) score was compared between the COPD cohort and the control group. Secondary outcomes were sub-scores SNOT-Primary Nasal Symptoms (SNOT-PNS), SNOT-Secondary Nasal Symptoms (SNOT-SNS) and SNOT-Quality of Life (SNOT-QOL). Abnormal findings were defined as a value of 12 points and absolute values were compared. Furthermore the Rhino-conjunctivitis Quality of Life questionnaire (RQLQ) and three visual analogue scales (VAS) estimating the amount of nasal secretions, bilateral perception of nasal congestion and nasal itching, were applied. As objective clinical surrogate markers for nasal inflammation, computer tomography (CT) scans of the para-nasal sinuses were performed and assessed with the Newman and the Lund-Mackay scoring system. Results: Data from 83 COPD patients (35 females, mean age:...



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