

CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND CORONARY ARTERY DISEASE: PARALLELS AND CROSSROADS OF COMORBIDITY

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Abstract

Chronic obstructive pulmonary disease (COPD) and coronary artery disease (CAD) comorbidity is one of the most challenging problems of clinical medicine.

The article reviews current literature data regarding COPD and CAD comorbidity. The prevalence, clinical features of CAD in COPD patients and heart chambers geometry disturbances are described in details. Basic well-studied clinical features, as well as symptoms and pathogenesis peculiarities, described less thoroughly, such as immunity condition, certain cytokines and eicosanoids metabolism, influencing macro- and microrheology in COPD and CAD, are presented. Highlighted scientific topics of research regarding COPD and CAD comorbidity would determine reasonable approaches to the management of these conditions.

Key words: chronic obstructive pulmonary disease, coronary artery disease, comorbidity.

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