

# THE ROLE OF SYSTEMIC INFLAMMATION IN DEVELOPMENT OF OSTEOPENIA IN PATIENTS WITH COPD

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## *Summary*

A chronic inflammation in the lungs is accompanied by the progressive worsening of pulmonary function, accumulation of metabolites, which stimulate the intensity of endogenous intoxication, and by the imbalance of pro-inflammatory and anti-inflammatory cytokines, resulting in polyorganic defects in chronic obstructive pulmonary diseases (COPD). Osteopenia in patients with COPD is a consequence of systemic inflammation. The degree of its intensity directly correlates with endogenous intoxication and the level of pro-inflammatory cytokines.