

Chronic obstructive pulmonary disease (COPD) is serious illness which prevails more often in last decades. The main reason why this happen is smoking epidemic and worse environment. Beside primary impacts on respiratory system, COPD has some secondary non-respiratory consequences. The most serious of them is muscle dysfunction, which affects lower limb muscles the most. The aim of this work is to summarize the knowledge of functional, structural and metabolic changes in lower limb muscles and their etiology. Then we discuss general concepts of curing COPD and practical possibilities of medical affection of muscle dysfunction by applying rehabilitation programs.