THE USE OF VIDEO-ASSISTED LUNG VOLUME REDUCTION OPERATIONS IN THE BULLOUS EMPHYSEMA OF THE LUNGS IN CLINICAL PRACTICE

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Abstract. Bullous emphysema of the lungs (BEL) is a chronic pulmonary disease, induced by the weakening of the alveoli walls in the lungs, resulting in abnormally large air spaces (bullae), which are filled with air, even when the patient exhales.

Object and research methods. The practical experience of performing video-assisted (VATS) lung volume reduction (LVR) operations in 2 cases with BEL is given.

Results and their discussion. After performing the LVR patients had improved breathing, reduced manifestations of respiratory failure and angina pectoris, increased blood gas parameters: an increase in SpO₂ from 86 % to 96 %, a decrease in PaCO₂ from 47 mmHg up to 40 mmHg. **Conclusions.** LVR is an effective method of treatment of BEL, in the presence of isolated bulls, this operation causes a significant reduction in respiratory failure, especially in patients with bronchial asthma and coronary artery disease.

Key words: bullous emphysema, bullous, VATS, OZOL, Lung Volume Reduction, LVRS.