**Introduction:** To study the clinical and diagnostic value of the function of external respiration (FER) in patients with sub phrenic liver echinococcosis (SLE).

**Method:** The present study is based on analysis of the treatment of 76 patients, with sub diaphragmatic location of the liver echinococcosis. The overwhelming majority of patients were over 40 years old, while men were 33 (43.4%), women - 43 (56.6%).

**Result:** The results of the study showed that in patients with sizes of echinococcal cysts (EC) of 8.0-12.0 cm and more than 12.0 cm, the majority of the indices decreased compared to patients with EC sizes up to 8.0 cm. Moreover, in two last groups of changes in FER became more significant and there was a significant comparative decrease in the values of vital volume of the lungs, Tiffno index, MOS50, MOS75.

A direct correlation between the FER level and the EC size. As the volume of cysts increased, the index of FER increased and reached the maximum values in individuals with EC over 12.0 cm.

**Conclusion:** Patients with SLE have abnormalities in the ventilation function of the lungs, mainly of an obstructive nature, which do not depend significantly on the etiology and activity of the disease, but they are reliably associated with EC dimensions and intrathoracic hypertension.