Cystic fibrosis is an autosomal, recessive and hereditary disease caused by the disorder of transportation of ions through cell membrane that results in chronic damage of lungs, pancreas and many more organs.

METHODS
The aim of this study was to evaluate incidence on the clinical manifestation in ENT area that were conditional on this disease on the group of pediatric patients of Department of Pediatric Pneumology and Phtieology Slovak Medical University and UNB in Bratislava and Department of Pediatric Otorhinolaryngology of MF CU and National Institute of Children’s Diseases in Bratislava.

CONCLUSION
After surgery treatment clinical symptoms were temporarily improved.

RESULTS
The number of the patients was 52 (30 girls and 22 boys). The mean age of patients was 9.59 years, the youngest patient was 1 and the oldest was 17 years old. Two kinds of standardized questionnaire were used in the methodology – The questionnaire about ENT symptoms by children with CF (Macasaet and Cruz 2016) and The questionnaire regarding the quality of life after treatment of nasal polyps and sinusitis (Gee et al. 2000). The questionnaires contained questions that focused on breathing, snoring and occurrence of infections upper breathing paths, hearing disorders and changes in the overall patienthood after medical or surgical treatment. Symptoms occurred before treatment: snoring was symptomatic of 23 patients (44.2%), breathing through the mouth of 15 patients (28.8%), dry mouth of 18 patients (34.6%), loss of constipation of 14 patients (26.9%), headache of 25 patients (48%) and ear inflammation of 6 patients (11.5%).

Pic 1. Prevalence of cystic fibrosis in the European Union per 10,000 population (Gallagher, 2016)

Pic 2. Diagnosing cystic fibrosis