



## 10. RHINOPNEUMOMETRY

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**Introduction.** Rhinopneumometry is an objective method of investigating nasal function, which allows to evaluate the capacity of the nasal passages and to determine possible nasal breathing disorders. This method is widely used in otorhinolaryngology to diagnose various diseases of the nose and adjacent areas.

**Aim of study.** To carry out measurements of air pressure and airflow velocity with subsequent computer processing of the obtained data in adults and children under the influence of various factors.

**Methods and materials.** In order to recognize the necessary publications were used databases such as PubMed, Medscape, Oxford Academic, using keywords: "Rhinopneumometry", "nasal breathing assessment", "nasal respiratory function"

**Results.** Rhinopneumometry allows to determine the presence and degree of respiratory function disorders, such as nasal obstruction, increased airway resistance and other pathologies, which allows to correctly diagnose and classify diseases, as well as to choose the most effective method of treatment. Subsequently, it can be used to evaluate the effectiveness of treatment of respiratory diseases and determine how successful the treatment is and what adjustments are necessary. Not unimportant for monitoring chronic respiratory diseases, regular measurements of airflow volume and velocity can help monitor disease progression and treatment efficacy.

**Conclusion.** Rhinopneumometry, in the modern understanding, is a combination of scientific and technological progress in the diagnosis, treatment and monitoring of respiratory diseases, as well as to assess physical activity. Respiratory function is the main one, and its violation affects the functional state of other organs and systems.