



## Types Of Surgical Treatment For Deviation Of The Nasal Septum

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### ABSTRACT

Deviation of the nasal septum - natural or acquired persistent displacement of bone or cartilaginous structures, nasal septum, accompanied by impaired nasal breathing.

### KEYWORDS

Deviation of nasal septum, septoplasty, nasal breathing.

### INTRODUCTION

**The aim of the study** is to determine the indications for surgery in patients with deviation of the nasal septum, depending on local and general manifestations of deformity of the nasal septum.

### MATERIAL AND METHODS

All 100 children with deviation of the nasal septum at the age from 8 to 18 years are planned to undergo examination methods, including clinical, audiological, radiological, REG research methods. The data obtained in the course of the research will be processed

using Microsoft Excel 10.0 software; Statistica 10.0 using Student's t test. The control group will consist of 20 healthy individuals without pathology of the nasal cavity.

Expanded and scientifically substantiated indications for septoplasty in patients, depending on local and general manifestations of deformation of the nasal septum. For the first time, it will be proposed to take into account the state of cerebral hemodynamics and auditory function in the normal and extended frequency ranges as

additional criteria in determining the indications for septoplasty in patients.

The preserving method of surgical treatment of patients with deviation of the nasal septum in the bone region with the preservation of bone tissue in the sagittal plane with its mobilization will be improved. New methods will be developed for the treatment of patients with deformation of the nasal septum with restoration of its skeleton in the cartilaginous and bone sections, while maintaining the "growth zone".

The studies carried out will show that the presence of impaired nasal breathing caused by the deviation of the nasal septum in patients is accompanied by impaired cerebral hemodynamics and often leads to impaired auditory function.

Let us clarify the indications for septoplasty in patients, in particular, prove that additional criteria for determining indications for surgery in patients with nasal septum deviation are the results of audiometry in the conventional and extended frequency ranges and the state of cerebral hemodynamics.

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