

IMPROVEMENT OF THE UPPER RESPIRATORY TRACK BY USING DENTAL INTRAORAL APPARATUS IN THE EARLY FORMS OF SLEEP APNEA WHICH OCCURS IN THE DYSFUNCTIONS OF THE STOMATOGNATHIC SYSTEM.

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Developmental malformations or variations of the anatomy of the upper respiratory tract may be the impairment of respiratory airway breathing pattern. These are the basic cause of human unphysiological breathing. These include diseases of the stomatognathic that contribute significantly to the insufficient permeability of the upper respiratory tract. The treatment of advanced stomatognathic dysfunction due to multiple causality is difficult and often multi-stage. One of the most problematic complications is sleep apnea. The basic procedure used in the treatment is to change the spatial position of the mandible to the jaw. Various kinds of intraoral orthopedic apparatus are used for this purpose. The study was conducted in 2006-2010 with 92 patients (mean 42.5 years) with a recognized advanced dysfunction stage of stomatognathic system. The therapeutic procedure was used in 54 cases of orthodontic apparatus while in 22 cases were associated with the use of multi-stage procedure in the first stage of treatment dental braces. Two types of apparatus, including braces which were modified by a doctor were used. The time of the resolution of pain and of reduction in nocturnal apnea and improvement of breathing through the nose was assessed. The change of the spatial position of the jaw, not only eliminated the pain from the stomatognathic system but also improved the patients airway breathing pattern. The use of modified dental apparatus reduces the time of therapy and affects the patient better comfort. The above described procedure can affect the treatment of the early form of the night apnea.