OROGASTRIC TUBE PROLONGED USE AND PALATAL ANATOMY IN NONKETOTIC/HYPERGLYCEMIA INFANT

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DESCRIPTION: Nonketotic

OBJECTIVE: To propose a treatment for recovery changes in the anatomy of the palate due to prolonged use of an orogastric tube through oral exercises and digital compression in an infant patient with non-ketotic hyperglycemia.

CASE

REPORT

hyperglycinemia is an inborn error of metabolism autosomal recessive genetic origin. This condition causes early neurological manifestations and damages the central nervous system. The most common features are hypotonia, lethargy, inability to suck and difficulty feeding. Due to hypotonia, difficulty in sucking prolonged use of oro/nasogastric tubes, these patients present changes in the anatomy of the arches and severe maxillary atresia. The patient diagnosed at birth with nonketotic hyperglycemia and at the age of one year started treatment with severe maxillary atresia. Picture 1. DIGITAL COMPRESSION **DESCRIPTION: The** proposed digital treatment consisted of compression with the index fingers positioned bilaterally at the level of the trans-palatine cleft with light transverse pressure (until small local ischemia) sliding back and forth. Maxillary expansion therapy was performed for 6 months twice a day until occlusion and harmony between the arches were established. The patient is currently undergoing motor and sensitization work and has been progressing to oral meals for approximately 1 year, with chewing guidance for liquid or pasty textures, with progression of dysphagia, oral mobility, and the entire oropharyngeal complex. Picture 2 -3

CONCLUSIONS: Digital compression therapy provided symmetrical satisfactory maxillary expansion establish satisfactory occlusion for the deciduous dentition as shown in the clinical pictures before and after treatment. Pictures 4-9.

Picture 1



Picture 2



Picture 3



Pictures 4-9







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