







Articles & Issues ➤ Collections ➤ Videos Translations JCS Open Access For Authors ➤ Journal Info ➤

History 🤊

< Previous Abstract

Next Abstract >



<





BRIEF CLINICAL STUDIES

Ear Deformations in Preterm Newborns: Non-Surgical Treatment

Olshinka, Asaf MD*,†; Ad-El, Dean D. MD*; Yaacobi, Dafna (Shilo) MD*; Ashkenazi, Moshe MD‡

Author Information ⊗

Journal of Craniofacial Surgery 32(2):p e202-e205, March/April 2021. | DOI: 10.1097/SCS.0000000000006784

BUY SDC

Metrics

Abstract

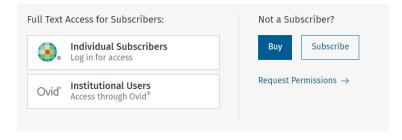
Approximately 30% of newborns have some degree of congenital ear anomalies, the minority will resolve spontaneously. Deformations can be treated non-surgically, when diagnosed early, whereas malformations surgically only. The authors use the EarWell system proven to achieve excellent results in treating deformations. Although prematurity might raise the risk of ear-deformations compared to term infants, in our experience, there is a longer time frame until effective treatment is initiated due to the cartilage malleability.

Treatment included splinting with retractors and taping or a custom-made silicone ear-mold if necessary. Patients were examined weekly, and treatment continued until appropriate ear shape was achieved (6-14 weeks).

The authors treated 8 preterm infants during 2018 to 2020 with the above method. Average age of application was 9.25 weeks; treatment was initiated in all patients before the age of 12 weeks. 5/8 had a right-side, 2/8 a left-side, and one a bilateral deformation. Average treatment duration was 10 ± 2.9 weeks. Assessment of satisfaction was made by parents via phone questionnaires; most were pleased with the overall result, while 62% were extremely satisfied.

The authors observed higher compliance and longer-lasting malleability of the cartilage in preterm compared to term-infants. They also had fewer complications than in the term group, maybe due to their older (actual age), and more resistant and durable skin compared to a term-infant of the same age. The authors recommend initiating treatment in preterm infants later than accepted practice as results were excellent, and despite the longer treatment duration, this is a better treatment option than surgery.

Copyright © 2020 by Mutaz B. Habal, MD





Related Articles

Giant Complex Odontoma Occurring Independently Within the Maxillary Sinus

Relation of the Pituitary Gland With the Sella Turcica in Adult Patients With Chiari Malformation Type 1

Optimizing Myelomeningocele Repair: Assessing the Role of Synthetic Acellular Dermal Regeneration Templates in **Complex Closures**

Complications of Submentonian and Cervical Liposuction Surgery Associated With Platysmaplasty

Protective Strategies for Pituitary Function During Endoscopic Transnasal Pituitary Adenoma Surgery: A Single-center Experience

Local Flaps for Concomitant Reconstruction of 3 Adjacent Forehead Defects: Is It Feasible?

Readers Of this Article Also Read

The Outward Curved Concha, an Unfamiliar Congenital Auricular Deformation: A...

Massive Brain Swelling Following Reduction Cranioplasty for Secondary...

Closure of Challenging Pediatric Scalp Wounds by a Tension-Relief System

Crouzon Syndrome and Acanthosis Nigricans With Fibrous Dysplasia of the...

Algorithm for Temple Reconstruction With Consideration of Anatomic and Defect...

Most Popular

Anthropometric Study of Human Ear: A Baseline Data for Ear Reconstruction

European Guideline Robin Sequence An Initiative From the European Reference Network for Rare Craniofacial Anomalies and Ear, Nose and Throat Disorders (ERN-CRANIO)

Cutaneous Layer and SMAS Suspension (CaSS) Lift as a Minimally Invasive Lateral Midface Lift

Evaluating the Impact of a Global Cleft Speech Mentorship Program on Expanding Practitioner Competency in Low- and Middle-Income Countries

The Impact of Hydrocephalus Shunt Devices on Quality of Life

↑ Back to Top



Browse Journal Content

- Most Popular
- About the Journal
- Current Issue
- Subscribe
- For Authors
- Past Issues
- Register on the website
- Get eTOC Alerts

For Journal Authors

- Submit an article
- How to publish with us

Customer Service

Submit a Service Request 800-638-3030 (within USA) 301-223-2300 (international) Activate Journal Subscription Browse the help center





Privacy Policy - Legal Disclaimer - Terms of Use - Open Access Policy - Feedback - Sitemap - RSS Feeds - LWW Journals - Your California Privacy Choices Opyright 2024 by Mutaz B. Habal, MD