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A 3D-Printable Custom Ear Mold That Corrects Newborns' Ear Deformities.

Tech ID: 33875 / UC Case 2024-9AY-0

BRIEF DESCRIPTION

NeoMold is an innovative, non-surgical solution designed to correct ear deformities quickly and safely within the first weeks of life.

FULL DESCRIPTION

NeoMold represents a groundbreaking approach to treating congenital ear deformities in newborns. Utilizing 3D printing technology, it offers a customizable, non-invasive, and cost-effective treatment by creating ear molds tailored to the unique anatomy of each patient's ear. This device significantly reduces the need for surgical intervention, minimizes complications, and enhances patient comfort and outcomes.

SUGGESTED USES

- » Hospitals and pediatric clinics specializing in neonatal care.
- » Plastic and reconstructive surgery practices.
- » Medical device distributors and retailers.
- » Healthcare systems seeking to reduce costs and improve patient outcomes in pediatric care.

ADVANTAGES

- » Customizable and patient-specific design improves fit and effectiveness.
- » Significantly reduces the number of required doctor visits, lowering treatment costs.
- » Eliminates the use of adhesive, reducing the risk of skin irritation and device dislodgement.
- » Single-component, 3D-printed structure simplifies application and increases safety.
- » Facilitates rapid treatment within the critical early weeks of life, avoiding the need for surgery.

PATENT STATUS

Patent Pending

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OTHER INFORMATION

CATEGORIZED AS

- » **Biotechnology**
- » Health
- » **Medical**
- » Devices
- » Disease: Musculoskeletal Disorders

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2024-9AY-0

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