PATIENT-SPECIFIC NASAL ORTHOSIS

IMQ

ISO 13485:2016

3D INNOVATION LAB

HU HUMANITAS UNIVERSITY

Product Guidelines

→ Custom-engineered to ensure maximum protection during nasal fracture recovery, these 3D-printed orthoses are designed directly from patient facial scans (3D).

DESCRIPTION

Custom-engineered to ensure maximum protection and comfort during recovery from nasal fractures or maxillofacial procedures. Generated directly from the patient's 3D facial scan, the mask ensures a perfect translation of their unique anatomy. Manufactured using advanced 3D printing technologies and biocompatible, lightweight, high-impact medical-grade resins.

KEY FEATURES & PATHOLOGIES

- 100% Custom Made: Surface design based directly on the patient's high-resolution 3D facial scan guarantees a unique anatomical fit and unparalleled comfort.
- Ergonomic Design: Structured to protect the nasal pyramid by offloading impact energy to the perimeter zones (cheekbones and forehead), while maintaining a completely unobstructed field of vision.
- Advanced Materials: 3D printed with biocompatible resin, certified for prolonged skin contact. Extremely lightweight yet engineered to offer optimal mechanical resistance to impacts.

DESIGN FEATURES

- side holes for elastic straps
- 3 mm offset in the nasal fracture area

WARNINGS AND SAFETY

Intended Use: This product is intended for the protection and stabilization of the nasal area following fractures or trauma.