Journal of Medical Implants & Surgery

Open Access

Advancements in Medical Technology: The Role of 3D Printing in Creating Customized Implants and Prosthetics for Enhanced Patient Outcomes

Théo Laurent[1]* and Gabriel Roussel[2]

[1]Department of Plastic, Reconstructive, and Aesthetic Surgery, University of Marseille, France
[2]Department of Plastic and Aesthetic Surgery, University of Montpellier, France

Abstract

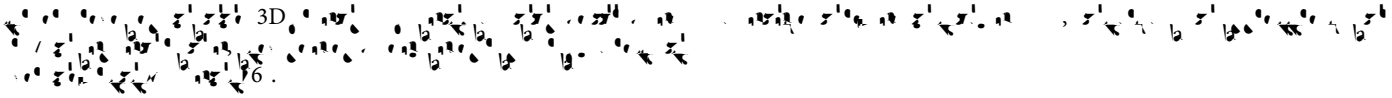
This article explores the transformative impact of 3D printing technology on the production of custom implants in healthcare. By leveraging additive manufacturing techniques, 3D printing enables the creation of personalized implants tailored to individual patient anatomies, enhancing surgical precision and outcomes. Recent studies demonstrate a

patient satisfaction. The integration of biocompatible materials further promotes better tissue integration and long-term

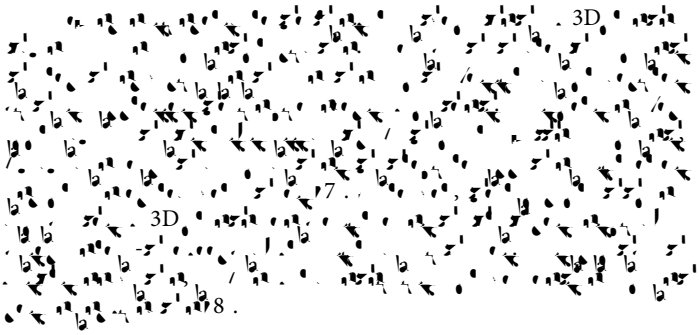
***Corresponding author:** Théo Laurent, Department of Plastic, Reconstructive, and Aesthetic Surgery, University of Marseille, France, E-mail: theo.lau@rent.fr

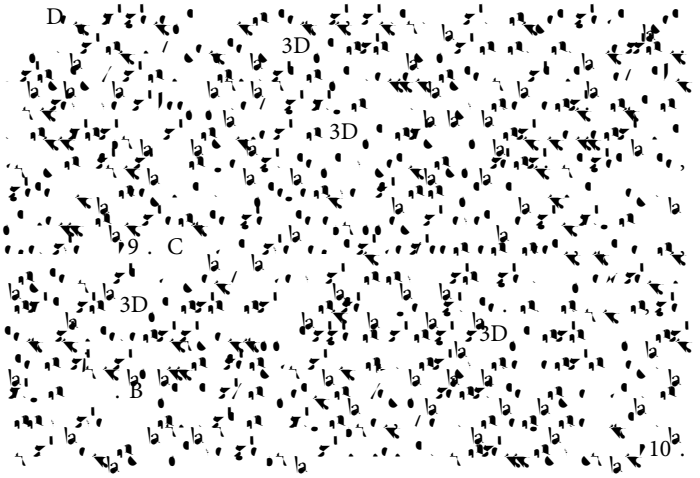
Received: 01-Sept-2024, Manuscript No. jmis-24-148591; **Editor assigned:** 03-Sept-2024, Pre QC-No. jmis-24-148591 (PQ); **Reviewed:** 18-Sept-2024, QC No: jmis-24-148591; **Revised:** 22-Sept-2024, Manuscript No. jmis-24-148591 (R); **Published:** 30-Sept-2024, DOI: 10.4172/jmis.1000244

Citation: Théo L (2024) Advancements in Medical Technology: The Role of 3D Printing in Creating Customized Implants and Prosthetics for Enhanced Patient Outcomes. J Med Imp Surg 9: 244.



D c





C c