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## **Patient specific 3D bone graft for facial reconstruction: preclinical and clinical outcomes**

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Maxillofacial bone reconstruction is a real challenge, given the complex anatomy of this region and the functional and aesthetic implications for patients. The emergence of computer-aided design and additive manufacturing have opened up new perspectives leading to the use of patient-specific implants (PSIs). Currently, available PSIs are made of titanium or poly-etherether-ketone (PEEK) or porous polyethylene. Cerhum aims at presenting an innovative PSI made of porous hydroxyapatite with interconnected porosity promoting osteointegration called MyBone Custom® implant (MBCI). Cerhum will present how MBCI has the potential to revolutionize facial bone reconstruction, helped by preclinical and clinical results.