

Special Issue

Updates on Oral and Maxillofacial Surgery

Message from the Guest Editors

Craniomaxillofacial surgery is undergoing a rapid transformation driven by the adoption of digital planning, advanced imaging, additive manufacturing, and immersive visualization technologies. At the same time, emerging data streams—radiomics, molecular profiling, and perioperative analytics—are opening new possibilities for true precision surgery, where decisions are guided not only by anatomy but also by biology and individualized risk.

This Special Issue aims to showcase state-of-the-art research and clinically relevant innovations that translate these technologies into measurable improvements in outcomes, workflow efficiency, training, and patient-centered care. We welcome original research, clinical studies, and high-quality reviews addressing topics such as virtual and computer-assisted surgery, surgical guides and customized implants, intraoperative imaging, AI-assisted segmentation and decision support, novel materials, and manufacturing approaches. By bridging multidisciplinary perspectives, this Issue seeks to highlight robust evidence, practical implementation strategies, and future directions for the next generation of personalized craniomaxillofacial care.

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