

Special Issue

Personalized Treatment of Maxillofacial Deformities and Reconstruction: Emerging Technologies, Methods and Applications

Message from the Guest Editor

Corrective jaw surgery, i.e., orthognathic surgery, is indicated when conventional orthodontics is an insufficient treatment modality of maxillofacial discrepancy caused by growth disturbances of the maxillofacial skeleton. Treatment involves surgical interventions of the jaws with the main purpose of establishing a correct dental occlusion and optimizing facial aesthetics and functional results. Preoperative planning of orthognathic surgery has evolved from the use of gypsum models manually mounted in an articulator and 2D cephalometry on teleradiographs, to advanced computer-assisted surgical planning and intervention analysis in 3D. These 3D technologies have improved the predictability of postoperative outcomes and surgical accuracy. Such technologies enable increased patient engagement and personalization by adjusting the procedure to the needs of each patient. Researchers are invited to submit original research and review articles, including studies on, but not limited to, predictive treatment planning, analysis of postoperative outcome, patient engagement, personalized implants, automation, and the application of artificial intelligence in orthognathic surgery.

Guest Editor

Dr. Michael Boelstoft Holte

1. 3D Lab Denmark, Department of Oral and Maxillofacial Surgery, University Hospital of Southern Denmark, 6700 Esbjerg, Denmark
2. Department of Regional Health Research, Faculty of Health Sciences, University of Southern Denmark, 6700 Esbjerg, Denmark

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*Journal of Personalized
Medicine*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jpm@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine (JPM), ISSN 2075-4426) is an international, open access journal aimed at bringing all aspects of personalized medicine to one platform. *JPM* publishes cutting edge, innovative preclinical and translational scientific research and technologies related to personalized medicine (e.g., precision medicine, pharmacogenomics/proteomics, systems biology, 'omics association analysis). *JPM* is covered in Scopus, the Science Citation Index Expanded (SCIE), PubMed, PMC, Embase, and other databases.

Editor-in-Chief

Prof. Dr. Kenneth P.H. Pritzker

Department of Laboratory Medicine and Pathobiology, Department of Surgery, University of Toronto, 6 Queens Pk Crescent W,F, Toronto, ON M5S 3H2, Canada

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 21.5 days after submission; acceptance to publication is undertaken in 3.5 days (median values for papers published in this journal in the first half of 2025).