

Special Issue

Contemporary Surgical Strategies, Advanced Imaging, and Intelligent Technologies in Head and Neck Surgery

Message from the Guest Editor

Recent years have witnessed a rapid evolution in surgical strategies and diagnostic tools in head and neck surgery. Maxillofacial and otolaryngologic procedures increasingly benefit from integrating advanced imaging techniques and artificial intelligence (AI)-based solutions. This Special Issue aims at gathering original research, reviews, case reports, and technical notes. Topics of interest include, but are not limited to, the following:

- Novel surgical approaches in maxillofacial and otolaryngologic procedures;
- Image-guided surgery and intraoperative navigation;
- Temporomandibular joint (TMJ) surgery, arthroscopy, lavage, and injections;
- Three-dimensional imaging and segmentation in diagnosis and treatment planning;
- AI-based diagnostics and decision-support systems in head and neck disorders;
- Surgical applications of CBCT, MRI, and intraoral imaging;
- Robotic and minimally invasive technologies in head and neck surgery;
- Functional and aesthetic outcomes in craniofacial reconstruction;
- Integration of surgical planning software with intraoperative execution;
- Experimental models and simulation in surgical training and planning.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The amazing world of the surgical sciences consistently grows thanks to innovations, technologic and robotic changes, and lastly to the progress in artificial intelligence. Nevertheless the human factor still remains fundamental in all the fields of Surgery. Individual skills in surgical techniques and multidisciplinary approaches are strengthening the patient care options and efficiency. Our journal wishes to become the spotlight for different surgical specialties such as general surgery and endoscopy, oncological surgery, plastic surgery, head and neck, gynecology, thoracic surgery, orthopedics, neurosurgery and other fields. Progress in recent years has led surgical technologies and procedures to extend to several specialties, thus the need for a journal to collect all related topics. Therefor, *Surgical Techniques Development* will encourage multidisciplinary contributions.

Editor-in-Chief

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