

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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