

Special Issue

Imaging in Oral Surgery: Advancing the Frontiers of Precision Diagnosis and Treatment Planning

Message from the Guest Editor

This Special Issue on Imaging in Oral Surgery highlights the pivotal role of imaging technologies in advancing the field, emphasizing their application in enhancing diagnostic accuracy, surgical planning, and patient outcomes. It showcases the latest advancements in modalities such as cone-beam computed tomography (CBCT), multidetector CT, and other digital imaging, which enable clinicians to obtain high-resolution, three-dimensional images of the oral and maxillofacial region. By providing the unparalleled visualization of bony anatomy, dental structures, soft tissues, and vascular networks, these imaging techniques facilitate more informed decision making, improved surgical precision, and reduced risk of complications. This Special Issue also explores emerging trends in image analysis, including the integration of artificial intelligence and machine learning algorithms, radiomics that is poised to further revolutionize the practice of oral surgery through automation, improved patient stratification, and tailored treatment plans.

Guest Editor

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