Application of Cone Beam Computed Tomography for Maxillofacial Diseases

Guest Editor:

Dr. Yiu Yan Leung
Oral and Maxillofacial Surgery, Faculty of Dentistry, The University of Hong Kong, Hong Kong, China

Deadline for manuscript submissions:
closed (15 August 2023)

Message from the Guest Editor

Diseases and pathologies in the maxillofacial region are functional and aesthetic challenges for patients. However, the anatomy in the maxillofacial region is complex. Cone-beam computed tomography (CBCT), as an alternative to traditional computed tomography, offers a cheaper option requiring a lower dose of radiation, while providing good image quality, and has been a workhorse for the oral and maxillofacial imaging of hard tissue.

The scope of the use of CBCT in the maxillofacial region ranges from simple oral surgery to complex maxillofacial deformities, diseases and trauma. Considerations and applications of CBCT in various anatomical spaces and clinical applications are of huge interest to practicing clinicians. Computer virtual planning and 3D printing based on CBCT images have further extended the clinical applications. Artificial intelligence can also use the data acquired from CBCT for the automated detection and diagnosis of disease conditions through machine- and deep-learning algorithms.

This Special Issue aims to cover the advances of CBCT in the diagnosis and management of maxillofacial diseases as well as other conditions that are of high clinical relevance.

Special Issue

Editor-in-Chief

Prof. Dr. Andreas Kjaer
Department of Clinical Physiology, Nuclear Medicine & PET National University Hospital, Rigshospitalet, University of Copenhagen, Blegdamsvej 9, DK-2100 Copenhagen, Denmark

Message from the Editor-in-Chief

You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, Inspec, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q2 (*Medicine, General & Internal*)

Contact Us