

Topical Collection

New Concepts for Dental Treatments and Evaluations

Message from the Collection Editors

Dental medicine has benefited from significant advances in terms of both diagnosis and treatment. Thus, well-established techniques such as radiography, microscopy, and the gold standard of histopathology for clinical assessments as well as scanning electron microscopy (SEM) and micro-CT for research purposes are being complemented by rapidly evolving techniques such as optical coherence tomography (OCT). The latter targets both hard and soft tissue of the oral cavity, including the use of Doppler OCT. Modern dental treatments, such as laser-based procedures, complement the classical approaches. Biomaterials have been developed, including for dental crowns, scaffolds, or dental adhesives. The aim of this Special Issue is to provide a forum for contributions regarding all the above topics as well as other relevant and timely aspects concerning techniques for both diagnosis and treatment in addition to their assessment. This Special Issue also provides a topical selection of papers presented at the 1st International Conference 'Advances in 3OM: Opto-Mechatronics, Opto-Mechanics, and Optical Metrology' (Timisoara, Romania).

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