



Artificial Intelligence in Oral Health

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Message from the Guest Editor

Dear Colleagues,

Artificial intelligence (AI), including deep learning and machine learning, is undergoing rapid development and has garnered substantial public attention in recent years. In particular, AI is positioned to become one of the most transformative technologies for medical applications and demonstrates great potential and useful properties for improving the analysis of various medical imaging datasets such as plain radiographs or three-dimensional imaging modalities. Several AI-based deep learning architectures have already been approved by the FDA and are being applied in clinical practice. In the dental field, the usefulness of AI has been assessed for the detection, classification, and segmentation of anatomical variables for orthodontic landmarks, dental caries, periodontal disease, and osteoporosis; however, these applications are still in very preliminary stages. This Special Issue is intended to lay the foundation of AI applications focusing on oral health, including general dentistry, periodontology, implantology, oral surgery, oral radiology, orthodontics, and prosthodontics, among others.

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