

Oral and maxillofacial imaging in digital dentistry



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Digital dentistry uses innovative digitalization and image processing technologies, together with three-dimensional printing systems, providing speed, efficiency, safety, and comfort for the patient.

Acquisition protocols lead to minimizing errors and inaccuracies, for which generate the standardization of imaging techniques, in cone-beam tomography, is of great importance in these records, such as the separation of soft tissues, the acquisition in deocclusion, and the use in the processing of images of tools that minimize artifacts or motion, and the proper selection of the field of vision, are some of them.

The digital workflow comprises fundamental pillars in which imaging plays an essential role; the acquisition of images is a decisive stage that will influence the next steps and therefore, can generate errors. It is crucial that the oral and maxillofacial radiologist is aware of the entire process and the difficulties it presents. However, when done correctly, digitization will lead to more efficient, safe, and predictable work.

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