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Digital innovations in implant dentistry

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During all dental treatments, especially implant dentistry, the biology should be respected and be managed accordingly. Firstly, all the implants should be placed in the best three-dimensional position so that no biological complications occur. This implies that implants should be placed in healthy and good quality tissues, keeping in mind the relation with its surroundings, antagonist and biomechanical issues. Nowadays, loading time of the implants is also a challenging issue for both practitioners and patients. By using digital innovations and equipments, we can choose good quality implant sites in the bone. Bone density can be analyzed as well as the three-dimensional position of the implants can be designed. By using this method, surgical complications and errors can be prevented, helping the practitioner choose the best surgical procedure such as flapless, flap or guided bone regeneration (GBR). Loading of the implants with prosthetic design also can be achieved using such software. Therefore, digital innovations can help us achieve predictable treatment plans with better results and fewer complications.

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