

DENTAL IMPLANTOLOGY AND 3D BIOPRINTING. CLINICAL AND RESEARCH PERSPECTIVES

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ABSTRACT

The success of dental implantology depends on the quality of the planning and accuracy of implementation. Accurate planning and positioning of the implants enable to minimize tissue regeneration procedures and to simplify prosthetic procedures. Final prosthetic components can be fabricated before the surgical procedures and early loading protocols applied. However, bone defects of various origin compromise the success of such techniques. With advances in 3D bioprinting, new concepts of how digital implantology and 3D bioprinting could be applied emerge. The interdisciplinary research team will share the clinical and research results when applying new treatment concepts.