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## BONE AUGMENTATION

ALEXANDRU Bogdan-Cătălin<sup>1,3</sup>, POPA Monica<sup>1</sup>, OANA Liviu<sup>2</sup>, DOGARU Gabriela<sup>1,4</sup>,  
CONSTANTIN Anne-Marie<sup>1</sup>, ȘOVREA Alina Simona<sup>1</sup>

Editor: Constantin MUNTEANU, E-mail: [office@bioclima.ro](mailto:office@bioclima.ro)



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Corresponding author: ALEXANDRU Bogdan-Cătălin, E-mail: [dr.alexandrubogdan@yahoo.com](mailto:dr.alexandrubogdan@yahoo.com)

1. "Iuliu Hațieganu" University of Medicine and Pharmacy, Cluj-Napoca, Romania
2. U.S.A.M.V. Cluj-Napoca
3. Medical Office of Dentists Dr. Alexandru Bogdan-Cătălin
4. Clinical Rehabilitation Hospital Cluj-Napoca

### Abstract

**Introduction.** The requirements of periodontal vertical bone augmentation are a permanent challenge for dental practitioners, given the wide range of periodontal destruction from acute periodontal disease to chronic marginal periodontitis, as well as periodontal involution due to senescence.

**Materials and methods.** Vertical bone gain depends on both the surgical technique adapted to each individual case and the biomaterial chosen for bone augmentation.

**Results.** Promising results have been obtained by using preparations that stimulate the autoprolieration of bone morphogenetic protein growth factors and collagen, as well as other growth factors.

**Conclusions.** Undeniably, preparations that stimulate and modulate the function of primary growth factors have the highest success rate regarding periodontal vertical bone augmentation.