





ORIGINAL RESEARCH ARTICLE



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Demineralized dentin and enamel matrices as suitable substrates for bone regeneration

Nina Bono¹, Paolo Tarsini², Gabriele Candiani^{1,2}

¹Polytechnic of Milan Research Unit, National Interuniversity Consortium of Materials Science and Technology (INSTM), Milan - Italy ²Department of Chemistry, Materials and Chemical Engineering G. Natta, Polytechnic of Milan, Milan - Italy

ABSTRACT

Abdragmant in recent decades, tooth derivatives such as denths (D) and enamel (I) have been considered as potential gant biomaterials to nest bone defects. This study aimed to investigate the effects of demineralization in the physical-demical and biological behavior of D and E. American and biological behavior of D and E. American and biological behavior of D and E. American and biological behavior of the physical-demical and biochemical characterization of native and demineralized and settled. Thereograph physical-demical and biochemical characterization of native and demineralized materials were performed by SMM and ISO analysis and ISO AMERICAN STATE of the Property of the SMM and Exception of the

Introduction

The need for off the-shelf, reacity available materials submaterial in alwellar bone augmentations, great interest has
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Fig. 2. SEM images (magnification: 5,000×) and the corresponding EDS spectra of: D particles (A-B); dD particles (D-E); E particles (G-H); dE particles (L-M); Bio-Oss®(O-P). SEM micrographs (magnification: 5,000x) after 7 days of SAOS-2 cell culture onto: D particles (C); dD particles (F); E particles (I): dE particles (N): Bio-Oss®(O).

