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Nota di contenuto	Bioceramics 25: Supplement; Preface, Committees, Symposia, Acknowledgements and Support; Table of Contents; I. Bioceramics Synthesis, Characterization and Testing; Bioactivity Assessment of Niobate Apatite; Bioactivity of a Poly(70lactic-co-30glycolic acid) /15CaO-85SiO2 Composite with a Dual Pore Structure; The Influence of Biogenic and Synthetic Starting Materials on the Properties of Porous Hydroxyapatite Bioceramics; Biocompatible Porous Scaffolds from Derivatized PVA Composites; Biomimetic Apatite Deposition within Casein-Loaded Hydrogel Scaffolds Comparison between the Microstructure of the Mineral Phase in Two Types of Composite Beads for Bone Regeneration Effect of Silicon-Doped Calcium Phosphate Bone Substitutes on Bone Formation and Osteoblastic Phenotype Expression In Vivo; Influence of Time on Thermal Oxidation of CP-Ti Grade II at 850 °C; Injectable Bioactive Glass/Polysaccharide Polymers Nanocomposites for Bone Substitution; SEM Characterisation of a Tricalcium Phosphate - Chitosan - PMMA Cement; Synthesis of Calcium Carbonate Biological Materials: How Many Proteins are Needed?

The Effect of -Tricalcium Phosphate Powder Preparation Methods on Cement Properties Structural and Surface Characterization of some Ceramic Coatings Obtained by Plasma Jet Spraying on Metallic Biomaterials Substrates; Tribological Tests and SEM Analysis for Titanium Oxide Layers; II. Bioceramics Applications in Dentistry; 2D Versus 3D Aesthetic Preview in Prosthodontic Rehabilitation for Elderly Patients; Alveolar Bone Augmentation; Effect of Lithium Disilicate Ceramic Thickness on the Color of Discromic Substate
Effect on Adhesion to Tooth Structure for some Experimental Dental Adhesive System Four Implants Connected Bar with an All Ceramic Milled Superstructure Solution Assessment in Mandibular Edantation; Hydrolytic Degradation of Dental Composites; Instrumental Color Evaluation of Ceramic Materials by Using Two Dental Spectrophotometers; Material Defects in Ceramic Crowns Identification by Optical Coherence Tomography and MicroCT; Metal-Ceramic Fixed Prosthodontics - An Obsolete Therapeutic Solution?; Morphologic Characterization of Ceramic-Ceramic Dental Systems Failure Researches Regarding the Biomechanics Behaviour of some Impressions Biomaterials Used in Dentistry Translucence Study through New Experimental Hybrid Composites; III. Bioceramics Applications in Orthopedics; Biomaterials in the Arthroscopic Anterior Cruciate Ligament Reconstruction; Bone Substitute Used in a Bilateral Calcaneal Fracture-Case Presentation; Cement Filling of Contained Defects from Bone Tumor Resections; Circumferential Decompression with Posterior Instrumentation and Fusion by Lateral Extracavitary Approach - Effective Solution Aiding the Treatment of Infectious Spondylodiscitis Comparative Study of Design and PCL-Substituting Systems of Total Knee Prosthesis

Sommario/riassunto

Collection of selected, peer reviewed papers from the 25th Symposium and Annual Meeting of the International Society for Ceramics in Medicine (ISCM), November 7-10, 2013, Bucharest, Romania. The 37 papers are grouped as follows: I. Bioceramics Synthesis, Characterization and Testing, II. Bioceramics Applications in Dentistry, III. Bioceramics Applications in Orthopedics