INTERNATIONAL
SYMPOSIUM FOR
APATITE AND
CORRELATIVE
BIOMATERIALS

CAIRNS CONVENTION CENTRE 10-13 DECEMBER 2010

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Programme At Glance

Registration		
	Opening Ceremony (Prof B.Ben-Nissan)	
	Session I Plenary	
Aoki	Science And Medical Applications Of Hydroxyapatite: The Past And Future	
Legeros	Substitutions In Calcium Phosphates: Effect On Properties	
Swain	Reminerilisation Of Carious Teeth:The Critical Role Of Proteins	
	Tea Break And Poster Setting	
	Session II Plenary	
Ishikawa	Shape Forming Based On Dissolution-Precipitation Reaction	
Ito	Bioactive Molecules-Apatite Composite Layers For Tissue Regenaration	
	Session II Clinical	
Aoki	Developmental And Clinical Studies Of Ha Coated Dental Implants Using Various Coating Tecniques	
Kishimoto	45 Cases Of Osteotome Sinus Floor Elevation In Atrophic Maxilla Using Ha-Coated Implants Without Bone Graft	
Tanaka	Antimicrobial Activity And Osteoblastic Responses To Anodically Oxidized Titanium Surfaces	
Daculsi	Injectable Apatitic Calcium Phosphate Cement Combined With Microporous Biphasic Calcium Phosphate Granules For Bone Repair	
	Lunch	
	Session III Biomimetics	
In-Seop Leee	Calcium Phosphate Thin Film And Biomimetically Formed Apatite As A Drug Carrier	
Epple	Functionalized Calcium Phosphate Nanoparticles For Gene And Drug Delivery	
Green	Bio-Inspired Approaches To Drug, Gene And Cell Therapies	
Reis	Tissue Engineering And Biomimetic Strategies For The Regeneration Of Mineralized Tissues	

Vago	Towards In Vitro Formation Of Complex Tissues: Porous Aragonite In Signaling In Signali
	Tea Break
	Session IV Poster Sessions

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	DAY TWO
	DATIWO
	Registration
	Session V Synthesis
Chou	Targeting And Dissolution Characteristics Of Bone Forming And Antibacterial Drugs By Harnessing The Structure Of Micro-Spherical Shells From Coral Beach Sand
Daculsi	Surgical Technology For Reconstruction Of Irradiated Bone Defect Using Bioceramics,
Kumar	Nanocrystalline Apatites: Accelerated Synthesis and Biological Evolution
	Session VI Synthesis
Mano	Bio-Inspired And Stimuli-Responsive Systems To Control Osteoconductiviy
Wang	Preparation And Characterization Of Calcium Phosphate Crystals By Precursors Thermolysis Method
Kikuchi	Preparation Of Core-Shell Type Artificial Bone Composed Of Hydroxyapatite/Collagen Bone-Like Nanocomposite And Regeneration Of Critical Segmental Tibia Defect Of Dog
	Tea Break
	Session VII Synthesis
Inagaki	(0001) Textured Hydroxyapatite Coating By Plasma Spraying
Watari	Adsorption Of Proteins On Carbon Nanotubes And Hydroxyapatite
Zavgorodniy	Pre-Treatments Of Ti Substrate: Effects On Mechanical Performance Of Chemically Deposited Hydroxyapatite Coatings
Nojedehiyan	Capability Of Osteoblasic Bone Cell's Differentiation On Ha/Tcp Scaffolds Polymer(Plga) And Drug Delivery Characteristics
Oudadesse	Low Temperature Synthesis Of Bioactive Glass Through Polymer Route
Daculsi	Novel Composite Using Thermosensitive Hydrogel And Bcp Granules:
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	Lunch
	Session VIII Hybrids
Matsuno	Tissue-Engineered Bone Using A Combination Of Fgf-2 And Interconnected Porous Hydroxyapatite Ceramics In A Sinus Floor Agumentation: Report Of 5 Cases
Bertassoni	Glycosaminoglycans And Proteoclycans Function As A Scaffold For Mineral In Peritubular Dentine
Xiaoming	Study Of A Method For Inducing Bone Tissue Growth Into Narrow Cavity In Bone Implant
Oudadesse	Bioactivity And Mineralization Kinetic Of Biocomposite Glasses-Zoledronate
	Tea Break
	Poster Removal
	Session IX Hybrids
Trung Kien	Effect Of Reaction Time On Setting Property Of Alpha-Tricalcium Phosphate (Alpha-Tcp) Balls
Teraoka	Fabrication Of Porous Ceramics By Co-Assembly Of Functional Units: Mosaic Like Ceramics Fabrication (Mlcf)
Kamitakahara	Preparation Of Granules Of Calcium Deficient Hydroxyapatite Composed Of Rod- Shaped Particles And Evaluation Of Their Potential For Drug Carrier
Kawashita	Electrophoretic Deposition Of Low Crystaline Apatite On Quartz Substrate
Mostafa	Bioactivity And Mechanical Assessment Of Biomimetic Nano-Hydroxyapatite/Polymer Composites
Stone	Polylactic-Co-Glycolide (Plaga) / Carbonate Apatite (Cha) Bone Filler Scaffolds: Preparation And Characterization.
Munar	Carbonate Apatite Foam Bone Substitute Reinforced With Plga For Mechanical Strength Improvement
	Closing Ceremony
	Banquet Dinner And Prof Aoki Concert

		POSTERS		
P1	Miyazaki	Fabrication Of Inorganic-Organic Hybrids From Apatite And Chemically Synthesized Collagen Through Aqueous Process		
P2	Abe	Controlled Calcification Using Biomimetic Macromolecules		
P3	Lee	Osteoblast-Like Cell Adhesion On Porous Hydroxyapatite		
P4	Li	Influence Of Different Surface Treatments On Partially Sintered Y-Tzp Dental Ceramics		
P5	Kodaira	Synthesis Of Spherical Porous Hydroxyapatite Particles By Wet Method		
P6	Hwang	Stability Of Nano Hydroxyapatite Coatings On Titanium Alloys		
P7	Matsunaga	First-Principles Calculations Of Substitutional Magnesium And Zinc Ions In Bioactive Calcium Phosphates		
P8	Нао	Effect Of Local Zoledronic Acid Release From A Thin Sputtered Hydroxyapatite Coating On Bone Implant Osteointegration		
P9	Bhargava	Influence Of Sandblasted Surface Characteristics On Initial Cell Response		
P10	Cho	Novel Method Of Synthesize Dense And Nano-Sized Hydroxyapatite Powders By Spray Pyrolysis		
P11	Hesaraki	Nanostructured Apatite Granules As Drug Carrier For Bone Infection Treatments		
P12	Kawanobe	Preparation Of Apatite Microsphere With Nano-Size Pores On The Surface Via Salt-Assisted Ultrasonic Spray-Pyrolysis Technique And Its Drug Release Behavior		
P13	Fujimi	Development Of Biocompatible Apatite Sheets With Various Ca/P Ratios And Carbonate Ion Contents For Osteoblastic Cell Culture And Their Evaluations.		
P14	Ozeki	Stem Observation Of Nano-Interface Between Hydroxyapatite Sputtered Film And Titanium Substrate		
P15	Hase	Fundamental Study On Relation Between Elution Of Calcium From System Cao- Mgo-Sio2 Synthesis In Pseudo Body Fluid And Apatite Deposition For Incipient Dentin Caries Treatment		
P16	Hattori	Preparation Of Hydroxyapatite/Acesulfame-K Compositionally Graded Spherical Particles By Spray Drying Method		
P17	Mróz	Calcium Phosphate Multilayer Functional Coatings Fabricated By Pulsed Laser Deposition		
P18	Honda	Cell Proliferation, Morphology And Differentiation Of Transgenic-Cloned Pig Calvarial Osteoblasts On The Silicon-Substituted Hydroxyapatite Ceramics Fabricated Via Ultrasonic Spray-Pyrolysis Technique		
P19	Honglian	Preparation And Characterization Of Oxygen Release Porous Composite Scaffold		
P20	Hontsu	The Restoration And Conservation Of Dental Enamel Using The Flexible Apatite		

		Sheet
P21	Omata	Segmental Bone Regeneration Using Gelatin/B-Tricalcium Phosphate Composites Enabling Controlled Release Of Bfgf
P22	Oudadesse	Sintering Effects On Physico Chemical Properties And On Kinetic Of Bioactivity Of Natural And Synthetic Hydroxyapatite
P23	Murata	Local Environment Study Of Dopants In Hydroxyapatite By X-Ray Absorption Near Edge Structure
P24	Mostafa	Low Temperature Synthesis Of Bioactive Glass Through Polymer Route
P26	Konishi	Effect Of The Addition Of Citric Acid To Mixing Solution On Handling Ability And Mechanical Property Of Chelate-Setting Calcium-Phosphate Cement
P27	Momin	Estimated Of Mandible Size And Morphology Using Ct For Dental Implantation
P28	Valerio	Computed Tomography Based Patient-Matched Modelling And Finite Element Analysis Of The Human Mandible
P29	Rashid	Surface Modification Of Polyethylen Terephthalate (Pet) Substrates For Biomedical Application By Ozone-Calcium Chloride Treatment
P30	Rodriguez	Molecular And Cellular Events In Bone Regeneration With Green Tea Catechin And Alpha Tricalcium Phosphate
P31	Watazu	Observation Of Interaction Between Living Bone And Micro Implant With Titanium Thin Film
P32	Yoneyama	Combination Of Fgf-2 And Interconnected Porous Hydroxyapatite Ceramics For Born Tissue Engineering
P33	Yoshimi	Changes Of Material Properties Of Inorganic/Organic Hybrids Fabricated By Infiltration Of Poly(L-Lactic Acid) Into Open Pores Of Porous Hydroxyapatite Ceramics In A Simulated Body Fluid
P35	Honglian	Preparation, Porperties And Embolic Effects Of Bafe12o19/Polyurethane Microspheres
P36	Baroonian	Nanostructured Hydraulic Calcium Phosphate Cement For Bone Reconstruction
P37	Marouf	Preparation And Characterization Of Chitosan-Gelatin/Hydroxy Apatite Composite Scaffolds For Bone Tissue Engineering
P38	Khorami	Effect Of Substitusion Of Li2o For Na2o On Surface Reactivity And Cellular Properties Of 45s5 Bioglass
P39	Fatehi	Preparation Of Injectable Biodegradable Bone Cement As An Antibiotic Carrier For Biomedical Applications
P40	Fatehi	Biomimetic Synthesis And Adhesion Properties Of Bone-Like Apatite On Heat And Alkaline-Treated Titanium Alloy
P41	Salehi	Improvement Of Apatite Cement Bioactivity By Specific Addition Of Vitamin C

P42	Zamanian	Physical And In-Vitro Biological Evaluation Of A Novel Calcium Sulfate-Apatite Nanocomposite
P43	Rahmani	Effect Of Vitamin C On Poly(Lactide-Co-Glycolide)/Hydroxyapatite Composite Scaffolds On Bioactivity
P44	Rabiee	Fabrication And Evaluation Of Alumina Reinforced Silicon-Substituted Hydroxyapatite Porous Implant
P35	Parvinazar	Fabrication Of Ha-Bg Composites
P36	Alimadadi	Utilizing Powder Injection Molding For Producing Biodegradable Implant Of Mg-1 Wt% Ca Binary Alloy