

Friday	
08:00	Registration
08:30	Welcome
09:00	Human Temporomandibular Joint Simulation <u>A. Perez del Palomar</u>
09:45	Towards facial simulation <u>Stephen Richmond</u> and John Middleton
10:30	Oral presentations 1 (<i>P. Piloto / R. Vaz de Carvalho</i>) 3-Dimensional Facial Muscle Modeling <u>Y. Lu</u> , L. Beldie , H.X. Zhu , B. Walker , S. Richmond Cranio-mandibular disorders <u>R. N. Maciel</u> Simulation of the bone filling of a dental alveolus <u>M.S. Comisso</u> , J. Martínez-Reina, J. Mayo Damage detection in a human premolar tooth from image processing to finite element analysis <u>U. Andreaus</u> , <u>M. Colloca</u> , D. Iacoviello
11:30	<i>Coffee break</i>
12:00	The dental evolutionary CDI – Dr. Raul Vaz de Carvalho
12:30	Oral presentations 2 (<i>J. Ribeiro / R. Maciel</i>) Pre-school telediagnosis of dental problems: A Teledentistry project. <u>R. Amável</u> , R. Cruz-Correia, J. Frias-Bulhosa Manufacturing and evaluation of the effectiveness of a new custom mouthpiece for wind instruments <u>M. Clemente</u> , A Portela, J. Cavalheiro, D. Coimbra, M. Vasconcelos
13:00	<i>Lunch</i>

Friday	
14:30	Collecting research data from clinical practice: How can informatics help? <u>T.K.L. Schleyer</u>
15:15	Facial soft tissue modeling <u>L. Beldie</u>
16:00	Oral presentations 3 (<i>L. Forner / J.C. Reis Campos</i>) Three-dimensional finite element analysis of a human premolar under the loading conditions of normal and malocclusion U. Andraeus, <u>M. Colloca</u> , D. Iacoviello The thickness of the cortical bone in different maxillaries using medical images <u>E.M.M. Fonseca</u> , M.J. Lima, J.K. Noronha, M.A.P. Vaz Experimental Measurement of the Displacement Field on a Mandible in Vitro H. Lopes, <u>J. Ribeiro</u> , P. Piloto, N. Ramos, J. Monteiro, Reis Campos, M. Vaz Effect of sintering temperature on mechanical and microstructural properties of zeolite (clinoptilolite) reinforced bovine hydroxyapatite (BHA) composites U. Karacayli, <u>O. Gunduz</u> , S. Salman, L.S. Ozyegin, U. Tuyel, A.Z. Sengil, S. Agathopoulos, F.N. Oktar
17:00	<i>Coffee break</i>
17:30	Oral presentations 4 (<i>E.M.M. Fonseca / F. Duarte</i>) Effect of the Material of the Prefabricated Post on Restored Premolars: Fracture Strength and Stress Distribution P.J. Rodríguez-Cervantes, C. González-Lluch, J. L. Sancho-Bru, A. Barjau-Escribano, A. Pérez-González and <u>L. Forner</u> New formulations for space provision and bone regeneration <u>P. Palma</u> , S. Matos, J. Ramos, H. Figueiredo, J. Krauser, F. Guerra Glass-ionomer cements: A review of their engineering properties <u>J. Nicholson</u> Characterization of polymerization reaction of self-curing dental resins using fibre optic sensors <u>N. Alberto</u> , L. Carvalho, R. Nogueira, J.L. Pinto Wear and Corrosion of Titanium in Oral Simulating Environments <u>J.C.M. Souza</u> , E. Ariza, M.C.R. Henriques, R. Oliveira, W. Teughels, L.A. Rocha, J.-P. Celis
18:45	End
19:15	Go to dinner
20:00	<i>Dinner (Douro River Cruise)</i>
22:30	End of dinner and return

Saturday	
08:45	Bacterial-surface interactions : expression of slime associated genes Yannis F.Missirlis
09:30	<p>Oral presentations 5 (<i>H. Lopes / L. Carvalho</i>)</p> <p>Optical Behavior of Two Dental Bleaching Agents When Irradiated With Different Wavelength M. Vinicius, L. Ferreira, G. Roberto de Sousa; <u>M. Pinotti</u></p> <p>Photodynamic antimicrobial chemotherapy (PACT) in Dentistry M. Vinicius, L. Ferreira, G. Roberto de Sousa; <u>M. Pinotti</u></p> <p>Halitosis - Implications and equipment <u>A.L. Zanatto</u></p> <p>Coping strategies for temporomandibular dysfunctions in professional classical singers: interrelation of mandibular laryngeal functions during singing <u>F. Lã</u>, M. Clemente, N. Rocha, J.C. Pinho</p> <p>Methods For Assessing Dental Wear in Bruxism A.B. Meireles, T.P.M. Cornacchia, E.B. Las Casas, F.S. Bastos, G.C. Godoy, F.S. Marques, J.R.P. Drews, A. Alves Neto, M.F.M. Campos</p>
10:30	<i>Coffee break</i>
11:00	<p>Oral presentations 6 (<i>M. Pinotti / A.L. Zanatto</i>)</p> <p>Metal Ceramic Fixed Partial Denture - Fracture Resistance <u>P. Piloto</u>, A. Alves, A. Correia, J.C. Reis Campos, J.C. Sampaio Fernandes, M.A.P. Vaz, N. Viriato</p> <p>Evaluation of the transmitted forces by different orthodontic and orthopedic devices <u>A.P. Botto</u>, L. Carvalho, J. Monteiro, M. Vaz, J. Ustrell, M. Hecke</p> <p>Comparison of bracket/arch friction for passive selfligating and conventional brackets A.R. Barros, <u>L. Carvalho</u></p> <p>Study of the mandible strain pattern for different loadings and mouth apertures <u>A. Ramos</u>, C. Relvas, M. Mesnard, A. Ballu, J.A. Simões</p> <p>The use of an intra-oral transducer to evaluate the strength of desinsertion of total prosthesis H. Figueiral, C.P. Leite, <u>P. Fonseca</u></p> <p>Analysis of the orthodontic wire behavior through the computational numerical simulation. <u>E.A. Ferreira</u>, C.A. Cimini Jr., E.B.L. Casas, N.F. Rilo</p>
12:30	<i>Lunch</i>

Saturday	
14:00	The look of the imagiologist in study to implantology Alexandra Lopes
14:30	<p>Oral presentations 7 (R. Vaz de Carvalho / F. Gentil)</p> <p>Technology versus Radiation Dose in Dental Radiodiagnostic <u>M.C. Batista</u></p> <p>Influence of geometry of dental implants on periimplant bone behavior through the application of a new bone remodeling model <u>J. Ojeda</u>, J. Martínez-Reina, J.M. García-Aznar, J. Mayo, M. Doblaré</p> <p>A comparative finite element analysis of different dental implants under occlusal loading <u>M.A. Pérez</u>, F. Calvo, J. C. Prados-Frutos, C. Prozzi, F. Torres, A. Arruga, J. A. Bea, M. Doblaré</p> <p>A mechanobiological model for bone ingrowth on dental implants <u>M.A. Pérez</u>, P. Moreo, J.M. García-Aznar, M. Doblaré</p> <p>Minor Maxillofacial Bone Augmentation in the Application of Dental Implants F.V. Antunes, M.C. Gaspar, <u>A.I. Silva</u>, C. Calado, J. Julião</p> <p>A FEA Study on the Influence of Geometry Parameters for an Osseointegrated Dental Implant <u>S. Rocha</u>, M.C. Oliveira, R. Padmanabhan, P. Nicolau, L.F. Menezes, N. Rilo, F.A. Guerra</p> <p>Biomechanical and Clinical Performance of a Cantilevered Tooth-Implant Supported Bridge <u>A.A. Sousa</u>, J. Galvão-Mendes, P. Rocha-Almeida, A. Pinho, J. Sampaio-Fernandes</p> <p>Computational analysis of thermal and mechanical behaviour of FGM-based (Ti/HA) endosseous dental implants in normal and overloading <u>G. Cevola</u></p> <p>In vivo retrospective study of removable implant-supported rehabilitations: Biomechanical complications <u>J. Galvão-Mendes</u>, P.J. Almeida, J.C. Reis Campos, C.L. Silva, J.C. Sampaio-Fernandes</p> <p>Muscular and articular forces exerted on the mandible <u>M. Mesnard</u>, A. Ramos, V. Lokhov, A. Ballu, Y.I. Nyashin, J.A. Simões</p> <p>Histologic Evaluation of Pulp Tissue and Periodontal Regeneration in Autogenous Tooth Transplantation <u>M.M. Ferreira</u>, M.F. Botelho, L. Carvalho, E.V.P. Carrilho</p>
17:15	<i>Close Coffee</i>

Poster session

Biomechanical Study of Changes in Bucal Bones Structure Provocated by Orthopedic Apparatus With Expansion Screw

I.M.U. Braga, D.N. Rocha, R.N. Jorge, E.B. Las Casas, R.M. de Andrade, P. Martins

Fracture Behaviour of Some Composite Dental Resins

B. Ghiban, C. Bortun, N. Ghiban

An Automatic Morphometrics Data Extraction Method in Dental X-Ray Image

L.A.P. Neves, P.H.M. Lira, G.A. Giraldi (Jaime Cardoso)

Correlation among structure, microstructure and mechanical properties of three Y-TZP commercial materials

F. Bondioli, S. Bortolini, E. Bassoli, A. Berzaghi, L. Denti, A.M. Ferrari, A. Gatto, A. Natali

Maxilla bone pre-surgical evaluation aided by 3D models obtained by Rapid Prototyping

J. Rocha, L. Queijo, A. Ramos, L.M.S. Barreira, M.S. Juan, T. Barbosa

Fracture Mechanism of NiTi Rotary Files Used in Rotation/Flexion Mode

S. Vilaverde Correia, R.J.C. Silva, M.T. Nogueira, L. Pires Lopes, F.M. Braz Fernandes

A Numerical and Experimental Framework for the Osseointegration of an Endosseous Dental Implant

J.C. Vanegas, N.S. Landinez, P.D.A. Garzón-Alvarado

A 3D FEA study during early healing of implant installation

P. Nicolau, N. Rilo, M. Oliveira, S. Rocha, R. Reis, F. Guerra

In vivo retrospective study of removable implant-supported rehabilitations: Biological complications

J. Galvão-Mendes, M.H. Figueiral, C. Leal Silva, A. Pinho, F. Morais Branco

The Biomechanical Challenge With Angled Implants

T.C. Almeida, P.F. Fernandes, J.C. Sampaio-Fernandes, C.L. Silva, A. Pinho

Evaluation of the quantity of MMA released by denture base resins

M. Costa, L. Carvalho, V. Seabra, A. Amaral

Stress Distribution on Cantilever Dental Prostheses

A. Correia, J.C. Sampaio-Fernandes, Reis Campos, Mário Vaz, N.V. Ramos, J.M. da Silva

Bioactive Nanohybrid Scaffolds Mimicking Natural Dentin Xenotransplanted in Immunodeficient Mice

A. Vallés, E. Novella-Maestre, M. Sancho-Tello, G. Gallego

Histological response to a nanocrystalline hidroxyapatite: Qualitative preliminary study

O. Martins, F. Guerra, I. Baptista, H. Figueiredo

Ablation of dentin using femtosecond laser pulses

R.M. Kasim, E. Simova, V. Oliveira, R. Vilar