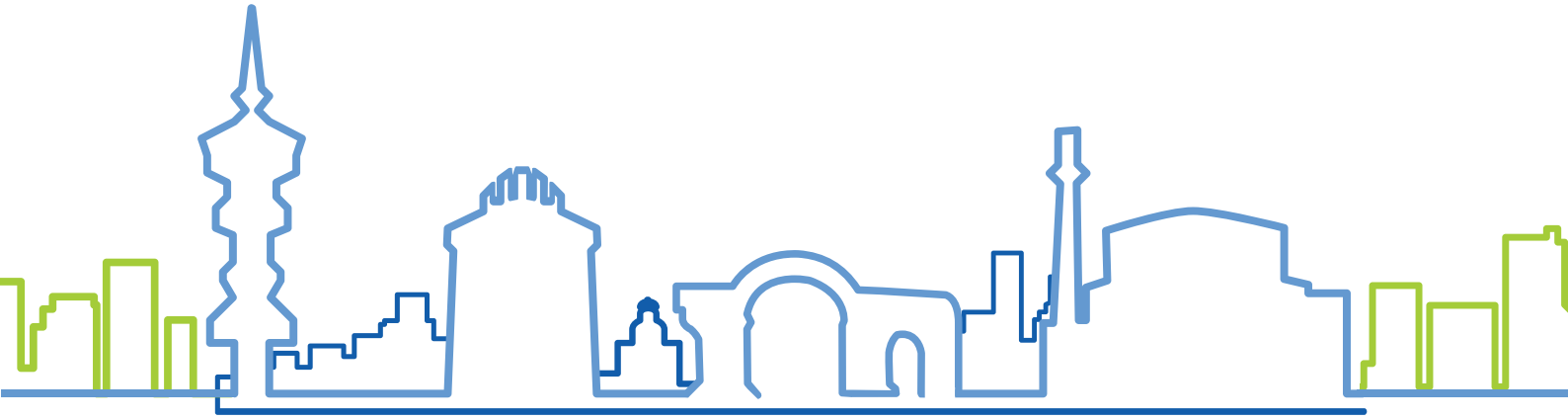
1st CONGRESS
of the Balkan Association of Orthodontic Specialists

&

20th CONGRESS
of the Greek Orthodontic Society and the Orthodontic Society of Northern Greece



ΚΕΝΤΡΟ ΔΙΑΔΟΣΗΣ ΕΡΕΥΝΗΤΙΚΩΝ ΑΠΟΤΕΛΕΣΜΑΤΩΝ Α.Π.Θ.
ARISTOTLE UNIVERSITY RESEARCH DISSEMINATION CENTER
3rd Septemvriou str., University Campus, Aristotle University of Thessaloniki
Thessaloniki, GREECE

1-2-3 DECEMBER 2017

Under the auspices of the Municipality of Thessaloniki
CITY OF THESSALONIKI

BALKAN ASSOCIATION of ORTHODONTIC SPECIALISTS

ΟΡΘΟΔΟΝΤΙΚΗ ΕΤΑΙΡΕΙΑ ΒΟΡΕΙΟΥ ΕΛΛΑΔΟΣ
ORTHODONTIC SOCIETY OF NORTHERN GREECE
25 χρόνια years 1990-2015

ΟΡΘΟΔΟΝΤΙΚΗ ΕΤΑΙΡΕΙΑ ΤΗΣ ΕΛΛΑΔΟΣ
GREEK ORTHODONTIC SOCIETY

ΕΛΛΗΝΙΚΟΣ ΣΥΛΛΟΓΟΣ ΟΡΘΟΔΟΝΤΙΚΩΝ ΕΛΛΑΔΟΣ 1992

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Γράμμου 40, 152 35 Βριλήσσια

Τηλ: 210 6858070, Fax: 210 6858099, info@ktzivelekas.gr, www.ktzivelekas.gr

Message of the BAOS President

In an effort to advance the discipline of Orthodontics among the colleagues of Balkan countries, and after significant efforts that commenced on May 23, 2015, it was made possible to officially establish the Balkan Association of Orthodontic Specialists (BAOS), a formal organizational forum dedicated to orthodontists of the Balkan region, in the form of a scientific, professional, non-political and non-governmental organization for public benefit.

The aims of BAOS include among others the promotion of Orthodontics as a dental specialty in our region, friendship and collaboration between orthodontists, co-ordination of undergraduate and postgraduate education and student exchange, organization of regular congresses in order to exchange knowledge and experience among its members, and publication of a scientific journal.

The Association may have active members (practitioners with specialization in orthodontics residing and practicing in the Balkan countries) associate members (practitioners with specialization in orthodontics independently of their residence), and provisional members (postgraduate students during their orthodontic training).

On February 18, 2017 the Bylaws of BAOS were officially signed by the founding members and at the same day I was elected by the Interim Executive Committee as the first President of BAOS, and consequently Greece was obliged to organize the 1st Congress of BAOS, of which obligations I feel very honored and privileged.

Aiming to attract as much colleagues from Greece and from Balkan countries as possible, it was decided to organize the 1st Congress of the Balkan Association of Orthodontic Specialists (BAOS) from 1 to 3 December 2017, at the Research Dissemination Center of Results of the Aristotle University of Thessaloniki, Thessaloniki, Greece, in conjunction with the 20th Greek National Orthodontic Congress, which is annually organized by the Greek Orthodontic Society (GOS) and the Orthodontic Society of Northern Greece (OSNG) with the participation of the Hellenic Professional Union of Orthodontists (HPUO).

A lot of highly esteemed keynote speakers from Europe and the United States were invited to present lectures with their scientific or clinical effort in orthodontics including Christos Angelopoulos, Stella Chausu, Ewa Czochrowska, Demetrios Halazonetis, Theodore Eliades, Letizia Perillo, Pradip Shetye, Raffaele Spena, Albino Triaca. Further invited speakers include (up until now) Ayse Tuba Altug, Athina Chatzigianni, Nikolaos Gkantidis, Ioulia Ioannidou-Marathiotou, Michael Kalavrytinos, Eleftherios Kaklamanos, Georgios Kanavakis, Gabriela Kjurchieva-Chuchkova, Enita Nakas, Spyros Papageorgiou, Iosif Sifakakis, Apostolos Tsolakis, Branislav Vidovic, and Vasileios Zymperdikas.

All these speakers will present a very wide and interesting range of different subjects in orthodontics, including among others: Smart materials in Orthodontics, 3D imaging in Orthodontics, Computerized orthognathic surgical planning, Common errors in orthodontic radiography, Periodontally facilitated Orthodontics, Orthodontic treatment and gingival recessions, impacted maxillary canines, Tooth autotransplantation, Early and late treatment Class III malocclusion, Orthognathic surgery with Chinwing osteotomy, Surgical and orthodontic management of Cleft lip and palate, Surgical Assisted Rapid Maxillary Expansion (SARME), TMJ disorders an orthodontics, Juvenile Idiopathic Arthritis, Bisphosphonates in Orthodontics, Myofunctional treatment approach, and Facial attractiveness.

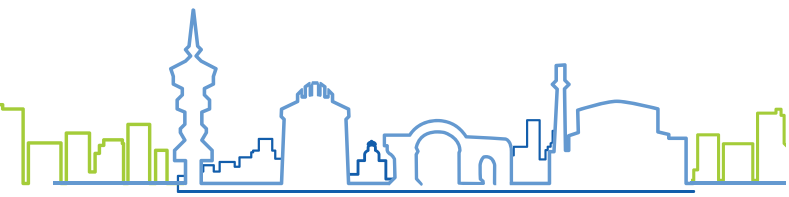
On Friday, December 1, 2017, two pre-congress courses are organized. The first will be presented by Dr. Albino Triaca, who will discuss the subject of "Chinwing osteotomy as alternative to orthognathic surgery to correct skeletal deformities: A new facial concept". The second will be presented by Christos Angelopoulos, who will focus on "3D imaging in Orthodontics (Theoretical course with practical exercises)"

I really hope that this rich and highly attractive program along with the commercial exhibition and the personal contacts that will be facilitated during the social events, will stimulate all orthodontists from Greece and the Balkan countries to plan their visit next December to Thessaloniki and enjoy a fruitful Congress and a festive and beautiful atmosphere of the city just before Christmas, as well as the hospitality of its inhabitants.

I am looking forward to welcoming you all in our city.

Sincerely,

Prof. Moschos A. Papadopoulos
President
Balkan Association of Orthodontic Specialists



Welcome Message

Message of the Presidents of GOS, OSNG and HPUO

This year the Greek Orthodontic Society (GOS) and the Orthodontic Society of Northern Greece (OSNG) co-organize with the participation of the Hellenic Professional Union of Orthodontists (HPUO), the 20th Greek National Orthodontic Congress, which will take place in conjunction with the 1st Congress of the Balkan Association of Orthodontic Specialists (BAOS), from 1 to 3 December 2017, at the Research Dissemination Center of Results of the Aristotle University of Thessaloniki, Thessaloniki, Greece.

The coordinators and the organizing committee of the conference have prepared a rich scientific program with keynote and invited lectures that will be presented by national and international speakers, as well as oral and poster presentations, covering a broad spectrum of the orthodontic specialty. In addition, the program includes two pre-congress courses, along with the traditional round table of the Hellenic Professional Union of Orthodontists, where current professional issues will be discussed.

The keynote speaker who will present the official Opening Lecture during the opening ceremony is Prof. Theodore Eliades, Professor and Director of the Clinic of Orthodontics and Pediatric Dentistry, Director of Research of the Center of Dental Medicine, Interim Director of the Institute of Oral Biology at the University of Zurich and Visiting Professor at King's College London. His lecture will be entitled: "Smart materials in Orthodontics: a glimpse of the future".

Finally, during the congress a commercial exhibition of contemporary orthodontic materials and equipment will also take place.

The coordinators and the organizing committee feel that this year's congress with the plethora of international participation will significantly upgrade and contribute substantially to the information and professional training of the colleagues who will attend it.

We are looking forward to welcoming you all in beautiful Thessaloniki to the annual national scientific meeting of our specialty and to the 1st scientific meeting of BAOS.

Sincerely,

Panagiotis Skoularikis
President
Greek Orthodontic Society

Prof. Moschos A. Papadopoulos
President
Orthodontic Society of Northern Greece

Anna Papadogeorgaki - Anagnostou
President
Hellenic Professional Union of Orthodontists

ΟΡΘΟΔΟΝΤΙΚΗ ΕΤΑΙΡΕΙΑ ΤΗΣ ΕΛΛΑΔΟΣ
GREEK ORTHODONTIC SOCIETY

25 χρόνια 25 years 1990-2015
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ORTHODONTIC SOCIETY OF NORTHERN GREECE

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COMMITTEES

1st CONGRESS
of the Balkan Association of Orthodontic Specialists
&
20th CONGRESS
of the Greek Orthodontic Society and
the Orthodontic Society of Northern Greece

Congress Organizing Committee

Moschos A. Papadopoulos **(President)**
Ioulia Ioannidou-Marathiotou **(Coordinator)**
Miltiadis Palios **(Coordinator)**
Athina Chatzigianni
Anastasios A. Zafeiriadis
Effimia Koumpia
Fadi Tarawneh
Ioannis Zogakis
Eirini Tsagkari

Executive Committee of the Balkan Association of Orthodontic Specialists

President: Moschos A. Papadopoulos
Vice President: Celjana Toti
Honorary Secretary-General: Athina Chatzigianni
Honorary Treasurer: Anastasios A. Zafeiriadis

Balkan Association of Orthodontic Specialists Council Members

ALBANIA: Celjana Toti, President of the Albanian Association of Orthodontics
BOSNIA AND HERZEGOVINA: Enita Nakas, President of the Orthodontic Society of Dental Association of Federation of Bosnia and Herzegovina
BULGARIA: Laura Andreeva, President of the Bulgarian Orthodontic Society
CROATIA: Tomislav Lauc, President of the Croatian Orthodontic Society
CYPRUS: Stathis Efstathiou, Representative of the Cyprus Orthodontic Society
FORMER YUGOSLAV REPUBLIC OF MACEDONIA: Gabriela Kjurchieva Chuchkova, President of the Macedonian Orthodontic Society
GREECE: Ioulia Ioannidou-Marathiotou, Secretary-General of the Orthodontic Society of Northern Greece
ROMANIA: Christian Romanec, Representative of the Romanian Association of Excellence in Orthodontics

ΟΡΘΟΔΟΝΤΙΚΗ ΕΤΑΙΡΕΙΑ ΤΗΣ ΕΛΛΑΔΟΣ
GREEK ORTHODONTIC SOCIETY

Board of the Greek Orthodontic Society

President: Panagiotis Skoularikis
Vice President: Panagiotis Karvelas
General Secretary: Aristides Melkos
Treasurer: Periklis Panos
Trustees:
Ifigenia Gerogianni
Christiana Gioka
Miltiadis Palios
Anna Papadogeorgaki-Anagnostou
Panagiotis Hatzopoulos

ΟΡΘΟΔΟΝΤΙΚΗ ΕΤΑΙΡΕΙΑ ΒΟΡΕΙΟΥ ΕΛΛΑΔΟΣ
ORTHODONTIC SOCIETY OF NORTHERN GREECE

Board of the Orthodontic Society of Northern Greece

President: Moschos A. Papadopoulos
Vice President: Eleftherios Kaklamanos
Secretary General: Ioulia Ioannidou-Marathiotou
Treasurer: Effimia Koumpia
Trustees:
Athina Chatzigianni
Fadi Tarawneh
Anastasios A. Zafeiriadis

Board of the Hellenic Professional Union of Orthodontists

President: Anna Papadogeorgaki-Anagnostou
Vice President: Andreas Karamouzos
General Secretary: Konstantina Dalasou
Treasurer: Miltiadis Palios
Trustees:
Konstantinos Paradeisis
Maria Exarchou
Paul Kapakian

Friday
01.12.2017

PRE-CONGRESS COURSES PROGRAM

	Amphitheater I [Ground floor]	Amphitheater II [Basement]	Amphitheater III [Basement]
08:00-09:00	REGISTRATION		
Speaker Title	**Albino Triaca** Chinwing osteotomy as alternative to orthognathic surgery to correct skeletal deformities: A new facial concept	**Christos Angelopoulos** The leap from panoramic radiology to CBCT: What are we looking? What are we gaining? *(Theoretical course with practical exercises)*	
09:00-11:00	*09:00-09:15* ***Introduction-Welcome*** *09:15-11:00* Part I	*09:15-09:30* ***Introduction-Welcome*** *09:30-11:00* Part I	
11:00-11:30	COFFEE BREAK		
11:30-13:00	Part II	Part II-Theory	
13:00-14:00	LUNCH BREAK		
14:00-15:30	Part III	Part III-Practice	
15:30-16:00	COFFEE BREAK		
16:00-17:30	Part IV	Part IV-Practice	
17:30-18:00	FREE TIME		

18:00-19:00	OPENING CEREMONY
19:00-20:00	***Opening Ceremony Keynote Lecture*** **Theodore Eliades** Smart materials in Orthodontics: a glimpse of the future
20:00-21:30	PRESIDENT'S RECEPTION

MAIN PROGRAM

Saturday
02.12.2017

	Amphitheater I [Ground floor]	Amphitheater II [Basement]	Amphitheater III [Basement]
08:00-09:00	REGISTRATION		
Chairpersons	*Eirini Tsagkari, Aristides Melkos, Stathis Efstathiou*		*Periklis Panos, Fadi Tarawneh, Maria Exarchou*
09:00-09:20	**Athina Chatzigianni** 3D shape analysis in Orthodontics		**Oral Presentations I**
09:20-09:40	**Nikolaos Gkantidis** From 2D to 3D superimposition of craniofacial structures: current knowledge and future perspectives		
09:40-10:00	**Iosif Sifakakis** Evidence on fixed retention		
10:00-10:20	**Georgios Kanavakis** Is beauty in the eye of the beholder? - A quantitative approach to facial attractiveness		
10:20-10:40	**Eleftherios G. Kaklamanos** Can we prevent the impaction of palatally displaced maxillary canines? What do we know? What we need to know?		
10:40-11:00	**Apostolos I. Tsolakis** Managing impacted maxillary canines. From diagnosis to treatment		
11:00-11:30	COFFEE BREAK		
Chairpersons	*Ioulia Ioannidou-Marathiotou, Christiana Gioka, Athina Chatzigianni*		
11:30-12:30	**Raffaele Spena** Periodontally Facilitated Orthodontics: A different perspective of alveolar corticotomy		
12:30-13:30	**Albino Triaca** Surgical management of Cleft lip and palate patients		
13:30-14:30	LUNCH BREAK		
Chairpersons	*Tomasz Gedrange, Ayşe Tuba Altuğ, Panagiotis Karvelas*		
14:30-15:30	**Pradip R. Shetye** Computerized orthognathic surgical planning for complex craniofacial deformities		
15:30-16:30	**Ewa Czochrowska** Management of missing maxillary incisors with tooth transplantation		
16:30-17:00	COFFEE BREAK		
Chairpersons	*Celjana Toti, Effimia Koumpia, Miltiadis Palios*		
17:00-17:30	**Demetrios J. Halazonetis** Do orthodontic radiographic images lie? How to avoid common errors in image interpretation		
17:30-18:00	**Ioulia Ioannidou-Marathiotou and Moschos A. Papadopoulos** Orthodontic management of cleft lip and palate patients: The path to happiness		
18:00-20:00	FREE TIME		
20:00-23:00	GALA DINNER		

Sunday
03.12.2017

MAIN PROGRAM

	Amphitheater I [Ground floor]	Amphitheater II [Basement]	Amphitheater III [Basement]
08:00-09:00	**REGISTRATION**		
Chairpersons	*Laura Andreeva, Christian Romanec, Anastasios A. Zafeiriadis, Judy Levi*		**Coordinator:** *Anna Papadogeorgaki-Anagnostou*
09:00-09:20	**Spyridon N. Papageorgiou** Optimized orthodontic mechanics based on finite element analyses		**Round Table of the Hellenic Professional Union of Orthodontists** *(in Greek language)*
09:20-09:40	**Enita Nakaš** Wake up call for Juvenile Idiopathic Arthritis		**Athanasios Devliotis & Danai Gidarakou** *Θέματα: Προτάσεις εκσυγχρονισμού του επαγγέλματος και προσέλκυσης ασθενών στο ιατρείο. Επίδραση της αρχιτεκτονικής εσωτερικού χώρου του ορθοδοντικού ιατρείου στην ψυχολογία των ασθενών*
09:40-10:00	**Gabriela Kjurchieva-Chuchkova** Myofunctional treatment approach at developing dentition		
10:00-10:20	**Branislav Vidovic** The Influence of Orthodontic Treatment on Facial Balance		
10:20-10:40	**Michael Kalavrytinos** Treating Class III malocclusion. Is there a limit between Orthodontics and Surgery?		
10:40-11:00	**Ayşe Tuba Altuğ** Is it possible to protract the maxilla by surgically assisted rapid maxillary expansion (SARME) and intermaxillary Class III elastics?		
11:00-11:30	**COFFEE BREAK**		
Chairpersons	*Panagiotis Skoularikis, Enita Nakaš, Branislav Vidovic*		
11:30-12:30	**Letizia Perillo** Early treatment of dento-skeletal Class III malocclusion: if, when, why and how		
12:30-13:30	**Stella Chausu and Ayala Stabholz** Orthodontic treatment - cause and answer to gingival recessions?		
13:30-14:30	**LUNCH BREAK**		
Chairpersons	*Eleftherios Kaklamanos, Gabriela Kjurchieva-Chuchkova, Ioannis Zogakis*		
14:30-14:50	**Vasileios Zymperdikas and Moschos A. Papadopoulos** Bisphosphonates in Orthodontics: Myths and facts		
14:50-15:40	**Oral Presentations II**		
15:40-16:00	**COFFEE BREAK**		
Chairpersons		*Panagiotis Hatzopoulos, Ifigenia Gerogianni, Konstantinos Bakos*	
16:00-16:30	**BAOS EC & Council Meeting**		
16:30-17:00	**BAOS General Assembly**	**Poster Presentations**	
17:00-17:30			
17:30-18:00	**Scientific Awards (OSNG) Ceremony & Closing of the Congress**		

Friday
01.12.2017

Amphitheater I [Ground floor]

PRE - CONGRESS COURSE I

09:00-17:30

Albino Triaca

Chin-wing osteotomy. A new facial concept.

A new technique for an extended genioplasty, the mandibular wing osteotomy is presented step by step. This osteotomy allows correcting the position of the chin prominence, to change the aspect of the divergence in the mandibular angle and to achieve a lip competence in cases where it is needed. All these movements of the lower border of the mandible can be performed completely independently from the positioning of the bases that is necessary for the correction of the malocclusion.

Curriculum Vitae

After completing his studies in both human and dental medicine (1971-1978 & 1981-1984) at the University of Zurich, Switzerland, Dr. Triaca successfully finished his specialty in Maxillofacial Surgery in 1987 (UZH, Switzerland). Enriching his experience in the fields of General and Pediatric Surgery during his studies at the UZH, he followed a fellowship in Plastic Surgery at the University of Miami, Florida, USA in 1990. Since 1990, he holds the head position at both the European Center of Maxillo-Facial and Aesthetic Surgery, (Republic di San Marino) and the Maxillo-Facial Center (Klinik Pyramide am See). Holding a lectureship position at the University of Salzburg since 2014, Dr. Triaca has been involved in approximately 200 lectures on national and international congresses, from which about 120 as a speaker.

Friday
01.12.2017

PRE - CONGRESS COURSE II

Amphitheater II [Basement]

09:15-17:30

Christos Angelopoulos

The leap from panoramic radiology to CBCT: What are we looking? What are we gaining?

This course will discuss the progression of orthodontic diagnostic imaging from digital panoramic radiography to cone beam computed tomography (CBCT). It will address the daily challenges of the orthodontist to reach a diagnosis through the various limitations of traditional dental imaging and the gains of CBCT. No other field of dentistry had a need for a 3-dimensional vision as Orthodontics.

In this course, the participants will learn:

- Basic principles of panoramic radiography and the features of an accurate panoramic image
- The anatomy of the maxillofacial region with panoramic radiography
- Limitations of panoramic radiography
- CBCT applications in the ORTHO practice
- The diagnostic challenges of the impacted tooth
- Proper utilization of the 3D tools available in different software programs
- CBCT image interpretation

The course will be followed by a live demonstration of different software functions and/or “hands on” participation based on attendance.

Curriculum Vitae

Dr. Angelopoulos is a graduate of Aristotle University, School of Dentistry, Thessaloniki, Greece. His post-doctoral training includes a 2yr internship in Oral Surgery (Aristotle University) and a 1yr GPR program (Truman Medical Center, Kansas City). In addition, he has completed a 3yr Oral and Maxillofacial Radiology residency program at University of Missouri-Kansas City, School of Dentistry and he was awarded the MS degree in Oral Biology. He has also completed an interdisciplinary PhD at the Universities Thessaloniki, Greece and University of Missouri-Kansas City with emphasis on Cone Beam Computed tomography.

Dr. Angelopoulos is a diplomate of the American Board of Oral and Maxillofacial Radiology and a fellow of the International College of Oral Implantologists. He has held university appointments at University of Missouri-Kansas City, School of Dentistry (Assistant Professor) and at Columbia University, College of Dental Medicine (Associate Professor and Director of Oral and Maxillofacial Radiology). Currently, he is Assistant Professor at the Aristotle University of Thessaloniki and Adjunct Professor of Oral and Maxillofacial Radiology at Columbia University.

Dr. Angelopoulos is the Past President of the American Academy of Oral and Maxillofacial Radiology (AAOMR) and served as the Executive Director of this organization for the last 4 years. He has served in several leadership positions and committees at the AAOMR as well as IADMFR (International Association of Dento-maxillofacial Radiology). Lastly, he serves as Associate Editor of TripleO (the official journal of the AAOMR). He has published over 40 scientific papers and has spoken in several conventions and CE courses, nationally and internationally, on a variety of radiology topics. Moreover, he is a frequent guest speaker for the ADA annual conventions.

Friday
01.12.2017

Amphitheaters I,II & III

OPENING CEREMONY
KEYNOTE LECTURE

19:00-20:00

Theodore Eliades

KEYNOTE LECTURE
19:00-20:00

Smart materials in Orthodontics: a glimpse of the future

Despite the ongoing saturation of the orthodontic market by novel materials and devices, the basic concepts of attaching one appliance to the enamel to use as a grip and inserting wires into that to control the spatial orientation of a tooth, are identical to the original concepts. In contrast to that, there is a flood of novel smart material applications, which have replaced conventional materials in various biomedical, industrial and everyday life applications. The lecture presents a synopsis of these new materials, listing Orthodontic applications that already exist at the experimental stage or are yet unavailable but with the relevant technology being established in other scientific disciplines. Within this context smart material applications will be presented, including non-invasive bonding and debonding techniques, self-healing and self-cleaning brackets, shape memory plastic wires, new BPA-free monomers for bonding, as well as a new class of materials, the biomimetic materials, which adopt the paradigm of function of living creatures.

Curriculum Vitae

Prof. Theodore Eliades is Director of the Clinic of Orthodontics and Pediatric Dentistry and Director of Research of the Center of Dental Medicine, Interim Director of the Institute of Oral Biology at the University of Zurich and Visiting Professor at King's College London. He qualified in Dentistry from the University of Athens and completed the Orthodontic Postgraduate Program of the Ohio State University.

He earned a Master's degree from the Ohio State University, a Doctorate degree in medical sciences from the University of Athens, and a PhD degree from the University of Manchester. He has published 200 papers, 45 book chapters and edited 11 textbooks. A Fellow of the Institute of Materials, Minerals and Mining, Prof. Eliades is the first dentist elected as a Fellow of the Royal Society of Chemistry, and the Institute of Physics (UK).

He has been affiliated with institutions in the US and Europe (Texas-Houston, Marquette, Manchester and Bonn), and served as the Editor-in-Chief of the J Dent Biomechanics, Associate Editor of the Eur J Orthod, the AJODO, and Progress Orthod. He was the 2014 Northcroft Memorial lecturer for the British Orthodontic Society conference, the 2015 Jan Taylor Visiting Lecturer of the Australian Foundation for Orthodontic Research and Education, and has been offered the 2018 Milton Sims Visiting Professorship at the University of Adelaide.

**The lecture will be presented live in Amphitheater I and will be video-transmitted to Amphitheaters II & III*

KEYNOTE LECTURES

Raffaele Spena

KEYNOTE LECTURE
11:30-12:30

Periodontally facilitated orthodontics: A different perspective of alveolar corticotomy

Alveolar decortication is associated to orthodontic treatment with the aim of accelerating tooth movement, reducing treatment time, improving the periodontal status and increasing the stability of the result. While temporary acceleration of tooth movement has been clearly demonstrated, reduction of treatment time is still a discussed topic and is certainly unpredictable and difficult to quantify. Several surgical procedures have been described with the aim of either increasing efficacy or reducing invasiveness of the surgery: not all the corticotomies are the same and their orthodontic benefits may highly differ. Despite the lack of scientific evidence, alveolar corticotomy may have a relevant role in several complex orthodontic treatments and tooth movements. A different view of the biological and biomechanical orthodontic advantages of this surgical adjunct is proposed and indications and limitations are described. Several clinical cases where alveolar corticotomy is associated with miniscrews and simple efficient biomechanical systems will try to elucidate the possible benefits

Curriculum Vitae

After obtaining his Certificate in Orthodontics from the University of Pennsylvania in 1988, Dr. Raffaele Spena completed his specialty in Orthodontics in 2003 at the University of Ferrara.
He is the author and reviewer of several publications in Italian and international journals and the co-author of chapter "Nonextraction Treatment" in "Orthodontics - Current principles and techniques", ed. T. M. Graber & R. M. Vanarsdall, 2000. From 1988 to 2000, he held academic positions at the Universities of Pennsylvania and Parma and since 2003 he is a professor at the University of Ferrara.
Dr. Spena is an active member of AIDO, AAO, SIDO, WFO, ASE and EOS and held the presidency of AIDO in 2010 and the Program Chair of ASE in 2015. He served as a member of the Board of the Italian Board of Orthodontics and the European Board of Orthodontics in 2001 and 2008, respectively. He holds a clinical private office in Napoli.

**The lecture will be presented live in Amphitheater I and will be video-transmitted to Amphitheaters II & III*

Saturday
02.12.2017

Amphitheaters I, II & III

KEYNOTE LECTURES

Albino Triaca

KEYNOTE LECTURE
12:30-13:30

Surgical management of Cleft lip and palate patients

The aim of the presentation is to demonstrate all aspects of secondary cleft surgery, with particular emphasis on partial and bilateral correction procedures for both cleft lips and cleft nose. New techniques will be presented in detail relating to the applications of treatment of lip scars as well as the treatment of residual clefts. Close attention will be paid to the detailed demonstration of surgical techniques relating to the partial and bilateral cleft nose procedures.

Curriculum Vitae

After completing his studies in both human and dental medicine (1971-1978 & 1981-1984) at the University of Zurich, Switzerland, Dr. Triaca successfully finished his specialty in Maxillofacial Surgery in 1987 (UZH, Switzerland). Enriching his experience in the fields of General and Pediatric Surgery during his studies at the UZH, he followed a fellowship in Plastic Surgery at the University of Miami, Florida, USA in 1990. Since 1990, he holds the head position at both the European Center of Maxillo-Facial and Aesthetic Surgery, (Republic di San Marino) and the Maxillo-Facial Center (Klinik Pyramide am See). Holding a lectureship position at the University of Salzburg since 2014, Dr. Triaca has been involved in approximately 200 lectures on national and international congresses, from which about 120 as a speaker.

**The lecture will be presented live in Amphitheater I and will be video-transmitted to Amphitheaters II & III*

Pradip R. Shetye

KEYNOTE LECTURE
14:30-15:30

Computerized orthognathic surgical planning for complex craniofacial deformities

Recent virtual imaging technological advances have profoundly changed the surgical treatment planning practice in patients undergoing orthognathic surgery. With the improvement in imaging techniques such as computed tomography (CT), cone beam computed tomography (CBCT), 3D photography, and 3D intraoral dental scanners, the ability of the clinician to evaluate and treat facial dysmorphology has been revolutionized. Furthermore, with the evolution of 3D surgical planning software, 3D printing of models and surgical splints using Computer Aided Design/Computer Aided Manufacturing (CAD/CAM) technology, clinicians are able to significantly improve surgical treatment planning with regard to accuracy and efficiency. The 3D technology and the surgical planning software assist the orthodontist and the craniofacial surgeons to virtually plan, simulate and visualize complex orthognathic surgeries. The ability to virtually simulate the operation preoperatively allows the surgical team to deliver predictable and optimal results.
In patients with complex craniofacial deformities, the bony segments need to be repositioned in all three plane of space to correct the anteroposterior, vertical and transverse (pitch, roll and yaw) abnormality in order to re-establish facial balance and symmetry. The 3D presurgical planning technology then becomes invaluable to the surgeon performing these surgeries, allowing for three-dimensional control over the osteotomized segments with greater precision.
This presentation will focus on image acquisition, pre-surgical orthodontic preparation and surgical plan execution in the operating room using this 3D technology. Long-term treatment outcomes of patients with complex craniofacial deformities managed with virtual surgical planning will be presented.

Curriculum Vitae

Dr. Pradip R. Shetye is a Board Certified Orthodontist and is Assistant Professor of Plastic Surgery and Director of Craniofacial Orthodontics Fellowship at New York University Langone Medical Center, as well as Assistant Professor of Orthodontics at NYU College of Dentistry.
Dr. Shetye received his DDS from the New York University College of Dentistry, and his post-graduate Certificate in Orthodontics from St. Barnabas Hospital. He completed an Advanced Craniofacial Orthodontics Clinical Fellowship from the University of Illinois at Chicago and Craniofacial Orthodontics Research Fellowship from the NYU Langone Medical Center. Dr. Shetye also has earned an MDS in Orthodontics from India and MOrthRCS from the Royal College of Surgeons of Edinburgh.
Dr. Shetye has expertise in all areas of orthodontic treatment and has special interest in orthodontic treatment for patients needing reconstructive surgery of the face and orthognathic surgery. He is actively involved in craniofacial research and has authored over 45 peer reviewed scientific papers and several book chapters. He has given over 125 scientific presentations at various universities, national and international scientific meetings in North America, South America, Europe, Australia and Asia.
Dr. Shetye has received several awards for clinical excellence including the Henry Kawamoto Award from the American Society of Craniofacial Surgeons, Joseph E. Johnson Award and Charley Schultz Award both from the American Association of Orthodontics, T. C. White Award from the Royal College of Physician and Surgeons of Glasgow and four research awards from The American Association of Orthodontists Foundation (AAOF).

**The lecture will be presented live in Amphitheater I and will be video-transmitted to Amphitheaters II & III*

Ewa Czochrowska

KEYNOTE LECTURE

Management of missing maxillary incisors with tooth transplantation

15:30-16:30

Traumatic loss of a maxillary incisor in a growing patients is a challenging therapeutic problem, since possible solutions must consider the growth adaptation and life-long perspective. Traditional prosthodontic replacements, especially dental implants are generally contraindicated before cessation of growth. In children and adolescents with missing teeth, orthodontic space closure and transplantation of developing premolars are the preferred options, since they preserve the alveolar bone during growth and provide predictable long-term results.
Treatment planning for growing patients with missing teeth requires an comprehensive assessment of many aspects including type and number of missing teeth, space conditions, occlusion and profile, posttreatment stability and the patient's expectations. The management of anterior tooth loss is particularly challenging because of the esthetic demands in this region and the need for immediate replacement. Important aspects of the interdisciplinary treatment planning in patients with missing maxillary incisors will be described during the lecture. It will include evaluation of a recipient site and the optimal donor tooth to obtain a successful healing, positioning of the transplanted tooth for a satisfactory esthetic outcome and final reshaping to the incisor's morphology. Different clinical applications will be presented during the lecture. Important aspect of the autotransplantation of developing teeth is their capacity for bone preservation and regeneration. The last part of the lecture will focus on patients with missing teeth and alveolar bone loss in whom re-establieshement of the normal alveolar process was observed after transplantation.

Curriculum Vitae

Dr. Ewa Czochrowska graduated as a dentist from the Dental Faculty in Warsaw, Poland. She completed her postgraduate training in orthodontics at the University in Oslo, Norway in 1997, then she worked as a Research Fellow at the Department of Orthodontics, Faculty of Dentistry, in Oslo until 2002. From 2010 she is working part-time at the Department of Orthodontics, Medical University in Warsaw and has a private orthodontic practice in Warsaw.
In 2003, she was awarded a PhD from the University in Oslo for a thesis on autotransplantation of teeth. For the publication from this work she received from the American Journal of Orthodontics and Dentofacial Orthopedics the Dewel Orthodontic Award in 2002. In 2014 she was awarded a Habilitation in medical science from the Medical University in Warsaw on her work related to orthodontic treatment of patients with periodontitis and currently maintains a position as Associate Professor. Her current research is based on the outcome of tooth transplantation, tooth impaction and tooth agenesis and different aspects of interdisciplinary treatment.
Dr. Czochrowska was the President of the European Orthodontic Society and she hosted the EOS Congress in 2014 in Warsaw. She is the President of the Polish Orthodontic Society, Active Member of the Angle Society of Europe and Member of the European Board of Orthodontists.

**The lecture will be presented live in Amphitheater I and will be video-transmitted to Amphitheaters II & III*

KEYNOTE LECTURES

Demetrios J. Halazonetis

KEYNOTE LECTURE
17:00-17:30

Do orthodontic radiographic images lie? How to avoid common errors in image interpretation

Radiographic images are considered essential for diagnosis and treatment planning in Orthodontics, but they have inherent limitations that need to be recognized in order to avoid misinterpretations. This presentation will highlight some of the most common interpretation issues that can affect orthodontic diagnostic conclusions. Panoramic radiography often provides a distorted view of anterior teeth and displays short incisor roots, an effect due to excessive labial inclination or improper patient positioning. Errors in mesiodistal premolar and canine angulation are also common, although not as well known. Cephalograms are plagued by foreshortening, magnification and projection artifacts, frequently leading to a false impression of asymmetry, tooth position and bone coverage. Cone beam computed tomography promises to overcome the problems of 2D imaging but introduces artifacts of its own, including reduced spatial resolution, noise and inconsistent density. The theoretical basis of each artifact and limitation will be explained and practical examples will be provided.

Curriculum Vitae

Demetrios Halazonetis is Professor and Chair at the Department of Orthodontics, School of Dentistry, National and Kapodistrian University of Athens.
He received his dental education at the National and Kapodistrian University of Athens (1979 - 1984) and his orthodontic training at the Orthodontic Department of Tufts University, Boston, USA, where he also completed a Master's of Science course. He concluded a Doctorate Gegree Thesis at the University of Athens in 1994. He has been in private practice of orthodontics in Athens, Greece, since 1987. Prof. Halazonetis has published more than 50 scientific research papers in peer-reviewed journals. He is the author of the Viewbox cephalometric software, Associate Editor of the Am J Orthod Dentofacial Orthop and member of the Editorial Board of the Eur J Orthod. His research interests and areas of expertise include cephalometrics, imaging, computed tomography, facial aesthetics and application of geometric morphometric methods to the analysis of craniofacial shape.

**The lecture will be presented live in Amphitheater I and will be video-transmitted to Amphitheaters II & III*

Saturday
02.12.2017

Amphitheaters I, II & III

KEYNOTE LECTURES

I. Ioannidou-Marathiotou, M. A. Papadopoulos

KEYNOTE LECTURE

Orthodontic management of cleft lip and palate patients: The path to happiness

17:30-18:00

Treatment for patients with cleft lip and palate is a long term and complex procedure. It involves the rehabilitation of severe skeletal anomalies, bone deficiencies, malocclusions, malformations and psychological problems. Young and adolescent patients are often emotionally affected because of their appearance and the social impact in the school and their everyday life. Treatment for patients with cleft lip and palate extends from birth to adulthood and requires a multidisciplinary team approach to restore function and aesthetics. The role of Orthodontists in cleft lip and palate treatment is paramount. It follows the child from the primary dentition stage, later during the permanent dentition and further until the end of craniofacial growth. Orthodontic intervention usually starts in the early mixed dentition preparing the maxillary arch for secondary bone graft procedure. When the permanent dentition is completed, comprehensive orthodontic treatment is performed for tooth alignment, adequate anteroposterior inter-arch relationship, and space closure or pre-surgical orthodontic preparation in cases with poor midface growth which require orthognathic surgery. It is a long and difficult road for these affected children but the road is leading to the improvement of their self-image and of their quality of life. The aim of this lecture is to present and discuss the orthodontic involvement in the rehabilitation of cleft lip and palate patients who received treatment at the "Clinic of Craniofacial anomalies and Syndromes" of the "Postgraduate Program of Orthodontics" at the Aristotle University of Thessaloniki, Greece.

Curriculum Vitaes

Dr. Ioulia Ioannidou-Marathiotou is Associate Professor at the Department of Orthodontics, of the School of Dentistry of the Aristotle University of Thessaloniki, Greece. She received her Dental Degree in 1976 and her Doctorate Degree in 1990 from the same University. She completed her Postgraduate education and Master Thesis in 1982 at the Department of Orthodontics, École Dentaire Paris VII, Paris, France. She served as a Fellow in 2000 at the Department of Orthodontics, Section of Clefts and Other Craniofacial Disorders, School of Dentistry Université de Rennes I, Rennes, France, and, in 2002, Fellow at the Department of Orthodontics, Section of Clefts and Other Craniofacial Disorders, Institute of Reconstructive Plastic Surgery, New York University, New York, USA.

She is an active member in 9 Greek and International societies and Titulary Member of the Société Française d' Orthopédie Dento-Faciale (SFODF). Since 1993, she served as Member of the Board of Trustees, and as Vice President of the Orthodontic Society of Northern Greece and currently she is Secretary General of the Orthodontic Society of Northern Greece.

She presented 101 papers and lectures worldwide and published more than 50 scientific papers. She is co-author of the Book "Ioannidou-Marathiotou I, Papadopoulos MA, Papadopulos NA, ed. Cleft lip and palate: Diagnosis and treatment management" (2013) and contributed with chapters to other books. Her main clinical and research interests are the oral rehabilitation of cleft-lip and palate patients.

Dr. Moschos A. Papadopoulos is *Professor, Chairman and Program Director* at the Department of Orthodontics, School of Dentistry, Aristotle University of Thessaloniki, Greece. He is also President of the Balkan Association of Orthodontic Specialists and of the Orthodontic Society of Northern Greece, Honorary Editor of the "*Hellenic Orthodontic Review*", and served as Asst. Editor of the "*World Journal of Orthodontics*" and as Assoc. Editor of "*Stoma*". He also is/or served as Member of the Editorial Board of 18 peer reviewed journals, and as Referee of 40 orthodontic, dental and medical journals. He is an active member in more than 20 national and international societies, federations, and unions.

Dr. M. A. Papadopoulos received several awards and distinctions, among others the "*Joseph E. Johnson Clinical Award*" and the "*Turpin Award for Evidence-Based Research*" from the American Association of Orthodontists. Currently the main clinical and research interests of Dr. M. A. Papadopoulos include the subjects of "*noncompliance orthodontic treatment*", "*use of miniscrew implants as temporary anchorage devices in orthodontic treatment*", and "*evidence based orthodontics*".

Dr. M. A. Papadopoulos has written the books entitled "*Orthodontic treatment for the Class II non-compliant patient: Current principles and techniques*", "*Skeletal anchorage in orthodontic treatment of Class II malocclusion*", and "*Cleft lip and palate: Diagnosis and treatment management*", has published more than 200 scientific publications, and has presented more than 330 lectures, courses and papers worldwide.

**The lecture will be presented live in Amphitheater I and will be video-transmitted to Amphitheaters II & III*

Letizia Perillo

KEYNOTE LECTURE
11:30-12:30

Early treatment of dento-skeletal Class III malocclusion: if, when, why and how

Dento-skeletal Class III malocclusions in growing children remain one of the most challenging problems in orthodontics. Class III are disharmonies of the middle and/or lower third of the face, sometimes involving the cranial base too, characterized by negative overjet and concave profile and developing into malformations in the most severe cases. The early treatment in growing patients is widely discussed in the literature mainly due to the uncertainly of stable long term results. Several therapeutic alternatives have been developed to treat Class III dento-skeletal disharmony at an early stage.
This clinical presentation will focus on the SEC III protocol, composed by Splints, class III Elastics, and Chin-cup. The efficacy and benefits of early treatment in developing Class III malocclusion will be analyzed and the importance of the ideal timing will be discussed.
Learning Objectives of this course are to realize the basic concepts of the SEC III protocol, to examine the benefits of the Class III malocclusion treatment in growing children and determine optimal timing for orthodontic treatment of dento-skeletal Class III malocclusion.

Curriculum Vitae

Dr. Letizia Perillo, MD, MS, PhD, is Professor at the Second University of Campania "Luigi Vanvitelli", where she is also Head of the Orthodontic Department, Chair of the Postgraduate Orthodontic Program, Coordinator of the Dental Undergraduate Program and Coordinator of the Teaching "Sensory Organ Disorders" of the Medicine and Surgery Undergraduate Program.
Dr. Perillo graduated in Medicine and Surgery in 1986 and obtained her Specialty of Orthodontics in 1989 at the University of Naples Federico II. She completed her orthodontic training with a postgraduate fellowship at the University of Michigan in 1993 and a PhD in Interceptive Orthodontics at the University of Florence in 1997. She is a member of the WFO, AAO, EHASO, EOS, SIDO and CH Tweed Foundation, where she also works as a clinical instructor. Dr. Perillo reviews for numerous orthodontic journals including the AJODO, The Angle Orthodontist, the EJO, the EJPD, and is SIDO delegate for Progress in Orthodontics. She also is SIDO delegate 2017/2018 for organizing the next MOIP in 2018. She has published over 100 articles, several textbooks and chapter of books. She lectures internationally. Her research interests include early treatment, non-extraction treatment, dentofacial orthopaedics, Class II and Class III malocclusion, genetics, and cleft lip and palate.

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Stella Chausu and Ayala Stabholz

KEYNOTE LECTURE
12:30-13:30

Orthodontic treatment - cause and answer to gingival recessions?

Gingival recession *per se* is usually not responsible for tooth loss, however treatment is sought by the patients and provided by the treating practitioners with the aims of esthetic improvement, elimination of sensitivity, and reducing the risk of root caries. Orthodontic therapy has been reported to increase the risk for gingival recession, especially in patients with thin biotypes in whom tooth movements towards the alveolar bone boundaries are needed to alleviate crowding or compensate skeletal discrepancies. The efficacy of the various surgical coverage procedures is doubtful in many cases. Can orthodontics be used in treatment of gingival recession? This case illustrated presentation, based on the published literature, will provide guidelines in selecting the best treatment approach for this condition.

Curriculum Vitae

Dr. Stella Chaushu is Professor and Chair of the Department of Orthodontics of the Hebrew University-Hadassah School of Dental Medicine, Jerusalem, Israel.
She is the coordinator of three different clinical fields in the department: adult orthodontics, orthodontic treatment of impacted teeth and treatment of special needs children. Dr. Chaushu also holds a PhD degree in immunology. Her basic science research focuses on the relationship between dentistry and immunology, particularly on the role of the immune system in periodontal disease and in orthodontic tooth movement.
The results of her clinical and research activities have been published in over 100 articles in international refereed journals and in 6 book chapters. She has received several competitive grants and awards, including the prestigious Dewel Award, given for the highest-ranked clinical research published in the American Journal of Orthodontics and Dentofacial Orthopedics and of Orthodontics in 2015.
Dr. Chaushu is a member of the Editorial Board of the American Journal of Orthodontics and Dentofacial Orthopedics and she is a reviewer for many international refereed journals. She has been an invited speaker at the national orthodontic congresses of U.S.A., Ireland, Belgium, Netherlands, Denmark, Greece, Australia, Austria, Cyprus, Switzerland, Germany, Poland, Turkey, Italy, Romania, India, Portugal and Poland. She presents lectures and courses internationally on the various aspects related to impacted teeth, the orthodontic-periodontic interface and the delivery of orthodontic treatment to special needs children.

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INVITED LECTURES

Athina Chatzigianni

INVITED LECTURE
09:00-09:20

3D shape analysis in orthodontics

Two-dimensional (2D) cephalometric radiography has been broadly applied in orthodontics, by means of linear and angular variables. Recently, three-dimensional (3D) data obtained from cone-beam computed tomography (CBCT) has redesigned cephalometric diagnosis and treatment planning. However, some major limitations are still to consider. In this lecture a combination of 3D data with geometric morphometric methods will be presented in an attempt to provide new concepts in Orthodontics. The trajectory of the application of Geometric Morphometrics from the Science of Paleontology to the Orthodontic Science will be discussed. Finally, new 3D templates created by the author will be introduced and a 3D analysis of the shape and form of different parts of the craniofacial complex will be proposed. This analysis will show that important parts of the craniofacial area could be better described, while a wide 3D shape variation accumulated on specific areas among individuals is present. Moreover, a strong association among parts of the 3D craniofacial complex is evident, which implies the possible role of genetics, epigenetics, function and growth on their adjunct morphology. Based on the assessment of the results, 3D geometric morphometric methods seem to be a promising alternative to conventional 2D or 3D cephalometry in describing craniofacial surfaces and relationships in the future.

Curriculum Vitae

Dr. Athina Chatzigianni graduated with honors from the Dental School of the Aristotle University of Thessaloniki (AUTh), Greece in 2002 (first in the rank). She has served as Research Fellow at the Department of Orthodontics, Radbound University, Nijmegen, Netherlands, and completed her Master thesis and specialty training in Orthodontics at the University of Athens, Greece (2007). She received her Doctorate Degree from the University of Bonn, Germany and continued as a post-doctoral researcher in AUTh. Since 2012 she works as a clinical instructor and research associate at the Department of Orthodontics of AUTh.

She has received several distinctions such as the Award from the Dental Association of Thessaloniki for the highest graduation degree (2002), the WJ Houston Poster Award for the best research of young researchers (EOS Congress, Helsinki, 2009), the Excellence Scholarship for Postdoctoral Research Fellows by the Research Committee of AUTh (2012), the 2nd Poster Prize (MOIP Congress, Cyprus, 2016) and others.

She is a member of the Board of Trustees of the Orthodontic Society of Northern Greece and General Secretary of the Balkan Association of Orthodontic Specialists. She is also a member of other orthodontic societies worldwide.

She has published a number of scientific papers and serves as reviewer in orthodontic journals. Her clinical and research interests include mini-implants, lingual orthodontics, 3D imaging, cleft lip and palate, craniofacial orthodontics and geometric morphometrics.

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Saturday
02.12.2017

Amphitheater I [Ground floor]
Amphitheater II [Basement]

INVITED LECTURES

Nikolaos Gkantidis

INVITED LECTURE
09:20-09:40

From 2D to 3D superimposition of craniofacial structures: Current knowledge and future perspectives

Both clinicians and researchers in the fields of craniofacial development and orthopedics have always been interested in quantifying the effect of treatment on craniofacial morphology. Historically, superimpositions of cephalometric radiographs have been used to differentiate between growth and treatment effects. However, apart from various other limitations, the assessment of size and shape changes using conventional 2D (dimensions) datasets also raises the important issue of reducing a 3D object to a 2D image. The inherent information in this simplified image can be further confounded due to the reference structures used to consistently superimpose and compare serial radiographs.
In recent years, 3D imaging techniques have been widely used in various dental and medical disciplines. This can help identify treatment goals, choose treatment modalities, predict treatment result, and evaluate treatment and/or growth changes. Various techniques have been reported for superimposition of 3D datasets derived from facial photographs, computed tomography (CT or CBCT) images, or intraoral scans. Each dataset has specific characteristics, which combined with certain patient sample characteristics, may require simpler or complex approaches to provide valid superimposition results. In this presentation the various available superimposition techniques and reference areas for each dataset and sample type will be presented and specific valid and efficient approaches, both for research and clinical purposes, will be suggested.

Curriculum Vitae

Dr. Nikolaos Gkantidis is full-time Assistant Professor in the Department Orthodontics and Dentofacial Orthopedics at the University of Bern, Switzerland. Dr. Gkantidis graduated from the Aristotle University of Thessaloniki in 2006 and completed his specialty training in Orthodontics at National and Kapodistrian University of Athens, Greece. He obtained his Doctorate degree from the University of Bern in 2013. Since then he acts as a coordinator of the Erasmus Based Postgraduate Education in the Department of Orthodontics and Dentofacial Orthopedics at the University of Bern.
Dr. Gkantidis has published several research papers in international peer-reviewed journals and acts as a reviewer for more than 15 scientific journals. His main research interests include facial aesthetics, geometric morphometrics, and 3D imaging. In 2016 Dr. Gkantidis received the WJB Houston Memorial Research Scholarship (60.000£) from the European Orthodontic Society, for supporting one of his current international research projects (University of Athens, University of Groningen, and University of Bern) entitled "Investigation of 3-Dimensional Superimposition Techniques on Skeletal Structures of the Head. Effect of Scan Type, Image Acquisition and Segmentation Parameters."

**The lecture will be presented live in Amphitheater I and will be video-transmitted to Amphitheater II*

INVITED LECTURES

Iosif Sifakakis

INVITED LECTURE

Evidence on fixed retention

09:40-10:00

The aim of this lecture is to present and discuss the basic principles regarding the construction, the effectiveness and the hygiene effects of fixed retention after orthodontic treatment. Definite practice guidelines for orthodontic retention are not available, and there is no agreement among orthodontists regarding the optimal type of wire or bonding adhesive that should be used for fixed retainers. The most commonly fixed retainers used are the thick mandibular canine-and-canine and the thin, flexible, spiral wire retainers. The former type could lead to a small increase in mandibular incisor irregularity during the retention period, however displays lower detachment rate than the former retainer type. Long-term retention of mandibular incisor alignment is quite compatible with periodontal health.
Unfortunately, fundamental questions remain when considering the fixed retention. Clinical research has shown that even with bonded retainers in place, not only does relapse still occur but also some unexpected posttreatment changes that cannot be explained by the pretreatment malocclusion. These facts reveal the knowledge gaps that exist regarding the underlying biological mechanisms of relapse, as well as the *in vivo* behavior of the biomaterials. Recent clinical and laboratory evidence on fixed retention will be discussed.

Curriculum Vitae

Dr. Sifakakis is Assistant Professor in the Department of Orthodontics of the School of Dentistry of the National and Kapodistrian University of Athens, Greece. He serves or has served as Assoc. Editor of "Journal of Dental Biomechanics" and as Reviewer in 15 international dental journals. He has supervised several research projects, including seven Master Degree and two Doctorate Degree Theses.
Currently, his main clinical and research interests include the subjects of "Biomechanics", "Aligners", "Orthodontic biomaterials" and "Fixed retainers".
He has built successful collaborations between the Departments of Orthodontics of Athens, Bern and Zurich, and between the Departments of Biomaterials of Athens and Bonn. He has received a research grant for academics from the German Academic Exchange Service DAAD, (2014) and the Align Technology Global Funding Awarded Towards Advancing Orthodontic and Dental Research (2017).
He is the coauthor of several book chapters, has published more than 40 scientific publications and has presented more than 30 lectures and courses in congresses.

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Saturday
02.12.2017

Amphitheater I [Ground floor]
Amphitheater II [Basement]

INVITED LECTURES

Georgios Kanavakis

INVITED LECTURE
10:00-10:20

Is beauty in the eye of the beholder?
- A quantitative approach to facial attractiveness

This presentation will focus on factors that control self-perception of facial appearance. How does facial shape influence our opinion about our appearance? To what extend do personality and self-esteem affect our perception? Which facial features tend to have the most significant impact on self-perceived facial beauty?
Three-dimensional photogrammetric images and psychometric data from a large population of young adults will be presented in order to address the abovementioned research questions. The outcomes of geometric morphometric methods for 3D analysis of facial shape will be discussed, in combination with results from standardized questionnaires assessing personality traits and self-esteem.
Learning objectives:

1. Attendees of this lecture will be able to recognize the effect of physical and psychological factors on self-perception of facial appearance.
2. To evaluate differences between genders in self-perception of facial attractiveness.
3. Provide information regarding the role of the orthodontist in assessing patient's self-perception of facial attractiveness.

Curriculum Vitae

Dr. Georgios Kanavakis is Assistant Professor in the Department of Orthodontics of the University of Basel in Switzerland, and Visiting Assistant Professor in the Department of Orthodontics of Tufts University, School of Dental Medicine in Boston, MA. He is also a Diplomate of the American Board of Orthodontists.
Dr. Kanavakis received his dental degree from the Aristotle University of Thessaloniki, School of Dentistry. He holds a postgraduate certificate in Temporomandibular Disorders and Orofacial Pain, a Master of Science, and a postgraduate certificate in Orthodontics and Dentofacial Orthopedics from Tufts University, School of Dental Medicine.
Dr. Kanavakis has published in peer-reviewed orthodontic journals, has co-authored two orthodontic book chapters and serves as reviewer for several orthodontic publications.
His main research interests focus on Factors affecting the Perception of Facial Appearance, Three-Dimensional Facial Analysis, Skeletal Anchorage in Orthodontics, and Temporomandibular disorders and Orofacial Pain.

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INVITED LECTURES

Eleftherios G. Kaklamanos

INVITED LECTURE
10:20-10:40

Can we prevent the impaction of palatally displaced maxillary canines? What do we know? What do we need to know?

Maxillary permanent canine impaction occurs quite commonly. Many studies report that the palatal direction of displacement is very common and that displaced canines are associated with adverse effects, such as an increased risk of root resorption to the neighboring teeth. Impacted maxillary permanent canines usually require intervention in the form of surgical exposure and subsequent orthodontic traction. Such comprehensive management may necessitate significant commitment and costs from the patient and the healthcare provider. Moreover, it may involve risks and complications, if the prognosis, treatment planning and biomechanics are not thoroughly considered.

The interceptive extraction of the deciduous canines in cases of palatally displaced permanent canines has been suggested since the 1930s. In such cases, provided that space conditions are normal, extraction of the primary canine is supposed to lead to a change in the path of the eruption of the permanent and ultimately guide it into the dental arch. This presentation will review the contemporary evidence base for this approach and will discuss what we need to know in order to reach evidence-based conclusions that could be applied in clinical orthodontic practice.

Curriculum Vitae

Dr. Eleftherios G. Kaklamanos received his Dental Degree and Master of Science in Orthodontics from the Aristotle University of Thessaloniki, Greece and also possesses a Master of Arts in Healthcare Management and a Certificate in Preventive and Community Dentistry. His Doctorate Degree thesis was undertaken at the Department of Histology and Embryology, Faculty of Medicine, Aristotle University of Thessaloniki on the topic of mandibular condyle development.

Dr. Kaklamanos' research interests include the development of the craniofacial skeleton, the effectiveness, efficiency and safety of various clinical procedures, evidence based orthodontics, socio-economic and patient reported outcome evaluation of dental and orthodontic treatment modalities, as well as, study design and statistical issues relative to the research carried in dental science. To date, his research activities have resulted in more than 40 scientific publications in peer-reviewed journals receiving numerous citations in the international literature and over 90 abstracts in conferences, invited presentations and courses. Moreover, he has supervised 11 MSc Theses, serves as referee in several scientific journals and is the Editor-in-Chief of the "Hellenic Orthodontic Review".

Dr. Kaklamanos was awarded as the valedictorian in his graduating class and has received honoraria, scholarships, distinctions and awards from the American Association of Orthodontists, the Alexander S. Onassis Foundation, as well as various governmental, academic, professional and scientific organizations.

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Saturday
02.12.2017

Amphitheater I [Ground floor]
Amphitheater II [Basement]

INVITED LECTURES

Apostolos I. Tsolakis

INVITED LECTURE
10:40-11:00

Managing impacted maxillary canines. From diagnosis to treatment

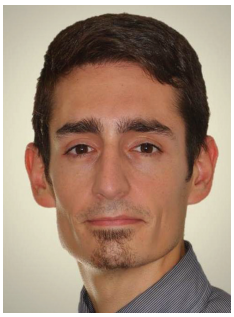
Maxillary canines are the second more frequent impacted teeth, after the third molars presenting prevalence of impaction from 1% to 3%. A radiographic evaluation is always necessary in order to confirm the canine impaction. The sensitivity of CBCT compared to the conventional x-rays is much higher allowing more precise diagnosis of the location, the detection of possible root resorption in lateral and/or central incisors due to canine impaction, as well as treatment decisions.
Whenever prevention strategy of impacted maxillary canines fails, the conventional treatment consists of combined surgical and orthodontic traction approach. There is a debate among clinicians whether the open or the closed surgical exposure is the favorable treatment of choice for palatally impacted canines. There is some evidence that there is no difference between the two techniques in terms of periodontal health, and that the open exposure technique constitutes a shorter surgical procedure.
Following the surgical exposure, an orthodontic button is bonded on the crown and a wire chain is fixed on the button. Orthodontic traction is applied to the impacted canine and the force is directed according to the site and direction of impaction, taken care of possible resorption of the adjacent teeth. Many biomechanical strategies have been proposed with the aim to avoid possible side effects. Whenever the impacted canine erupts in the alveolar ridge any rotations and/or torque movements are considered. A number of clinical cases and various treatment protocols will be presented.

Curriculum Vitae

Apostolos I. Tsolakis earned his DDS Degree from the University of Thessaloniki, Greece and received his Masters Degree of Science in Dentistry with specialty certification in Orthodontics at Case Western Reserve University, USA. Dr Tsolakis holds a PhD Degree from Athens University, Greece. Currently he is Assistant Professor of Orthodontics at the University of Athens, Greece and Adjunct Associate Professor of Orthodontics at Case Western Reserve University, Cleveland, Ohio, USA. He has worked through academics on a variety of research projects, including the normal and abnormal growth and development of the mandible and maxilla, biologic mechanisms of tooth movement in normal and osteoporotic rats, class III orthodontic problems and impacted teeth with selected publications in these fields. He has contributed to several book chapters with one of his noteworthy contributions to Enlow's "Essentials of Facial Growth". He has lectured extensively in Universities and professional organizations in Europe and United States. He is the editor of the journal "European Journal of Dental Science". Also he maintains a clinical orthodontic practice at his private office in Greece.

**The lecture will be presented live in Amphitheater I and will be video-transmitted to Amphitheater II*

INVITED LECTURES



Spyridon N. Papageorgiou

INVITED LECTURE

Optimized orthodontic mechanics based on finite element analyses

09:00-09:20

Fixed appliances have become an integral part of contemporary orthodontic treatment, as they enable full control of tooth movement in all dimensions. However, the tooth's response to the applied force system is not always easy to predict, due to the complexity of the applied system and the inclusion of multiple tissues and materials with differing physical propertied (tooth, periodontal attachment tissues, and orthodontic appliances). In this endeavor, the numerical simulation analyses, and specifically the finite element method, can prove of assistance to the orthodontist, as they provide a refined prediction of the resulting tooth displacement. Therefore, finite element analyses can be applied in various clinical scenarios using anatomically correct models to indicate which treatment mechanic would be most efficient in producing the desired results. Aim of the present study is to provide practically-relevant examples from the orthodontic daily routine, like tooth extrusion, applied torque to anterior teeth or uprighting of impacted second molars, where the results of the mechanotherapy can be optimized based on the results of finite element studies.

Curriculum Vitae

Dr. Papageorgiou is Senior Teaching and Research Assistant at the Clinic of Orthodontics and Pediatric Dentistry, Center of Dental Medicine of the University of Zurich in Zurich Switzerland.
After obtaining his dental degree from the Aristotle University of Thessaloniki in Thessaloniki Greece, Dr. Papageorgiou completed his specialty training in Orthodontics and his doctorate with Summa Cum Laude, both from the University of Bonn in Bonn Germany.
Dr. Papageorgiou has worked in the past years at research programs funded by the German Research Foundation, the German Academic Exchange Service, the Greek State Scholarships Foundation, and has received several research grants.
Dr. Papageorgiou's main research areas include optimized treatment mechanics assessed with numerical (finite element) methods, comparative effectiveness in orthodontics, methodological aspects of clinical trials, and meta-epidemiological sources of bias.

**The lecture will be presented live in Amphitheater I and will be video-transmitted to Amphitheater II*

Enita Nakaš

INVITED LECTURE

Wake up call for Juvenile Idiopathic Arthritis

09:20-09:40

Juvenile idiopathic arthritis (JIA) is one of the most common chronic diseases in childhood (1/1000 children), that can involve the temporomandibular joint (TMJ), consequently affect craniofacial growth, jaw function creating discomfort and pain. From the orthodontic aspect, the TMJ arthritis may cause significant limitations in sagittal and vertical mandibular growth, conditionally resulting in severe micrognathia and anterior open bites with strong esthetic and functional restrictions. Therefore, an early TMJ diagnosis in children with JIA is important in order to prevent a negative effect on the TMJs. This presentation elucidates the importance of early TMJ diagnosis in JIA.

Curriculum Vitae

Dr. Enita Nakaš is currently Head of Orthodontic Department, School of Dental Medicine the University of Sarajevo. She is Associate Professor at the Orthodontic Department, School of the Dental Medicine University of Sarajevo. She is also Managing editor of South European Journal of Orthodontics and Dentofacial Research. She graduated in 2001 from the Faculty of Dentistry, Sarajevo. She attended postgraduate studies from 2001 to 2003, School of Dental Medicine in Sarajevo. In 2005 she defended a Master Thesis at the Faculty of Dentistry in Sarajevo entitled "Effect of oral disinfectants in Streptococcus mutants levels in patients with fixed orthodontic appliance." In 2008 she became a Specialist in Dentofacial Orthopedics and Orthodontics. In 2011 she defended her doctoral thesis at the Faculty of Dentistry in Sarajevo entitled "Assessing the importance of concentration and application interval of local bisphosphonate-clodronate during orthodontic treatment." In 2015 she obtained the Harvard Clinical Leadership Certification Course, Boston, MA, USA. She is the author of many scientific articles.

**The lecture will be presented live in Amphitheater I and will be video-transmitted to Amphitheater II*

INVITED LECTURES

Gabriela Kjurchieva-Chuchkova

INVITED LECTURE
09:40-10:00

Myofunctional treatment approach at developing dentition

The main goal of myofunctional orthodontic treatment lies in achieving proper functional occlusion, significant improvement in the facial profile, and stable and healthy temporomandibular joint. As we eager to obtain proper treatment results using myofunctional orthodontic techniques, we need a completely new approach to the diagnosis and treatment. Since malocclusion is a variation of normal growth and development in a growing dentition it is very important to understand both the craniofacial morphology and craniofacial growth. We have to focus on soft tissue dysfunction as the driving force behind malocclusion.
When diagnosing a patient's malocclusion and prescribing myofunctional orthodontic treatment, it is crucial to understand how the forces of the muscles and other myofunctional habits can affect not only the crowding of the teeth, but facial development and underdeveloped jaws. The teeth and their associated support structures respond to applied forces with a complex biologic reaction. To achieve a precise biologic response precise functional forces have to be applied. The link from biology to treatment plan and treatment results should be considered for every case.
Soft tissue dysfunction influences the orthodontic treatment outcome and stability. Scientific assessment in orthodontic care aims to substitute the traditional concepts by appliances which are more compfortable and less invasive. Properly identifying soft tissue dysfunction and correctly treating these problems allows for better myofunctional orthodontic treatment. Once these are improved, more stable results can be achieved in less time.

Curriculum Vitae

Dr. Gabriela Kjurchieva-Chuchkova received her dental and orthodontic education at the Faculty of Dental Medicine, University "Ss. Cyril and Methodius", Skopje; Master Degree in 1995, Specialization in 1996, and PhD in 2005. She is Associate Professor at the Faculty of Dental Medicine, Department of Orthodontics, University Dental Clinical Center, Skopje, Former Yugoslav Republic of Macedonia and President of the Macedonian Orthodontic Society.
Her main research interests are growth and development of the craniofacial skeleton, cephalometric standards, early orthodontic treatment, functional orthodontic treatment, interdisciplinary treatment of impacted teeth. Dr. Kjurchieva-Chuchkova is author of scientific papers published in national and international journals, and invited reviewer of the journal of the Anthropological Society of Serbia. She presented her work at conferences and congresses home and abroad, as an invited lecturer.
She is member of the scientific boards of national congresses with international participation and editor of a book of abstracts from congresses. She is a member of the editorial board for 50 years beyond Faculty of Dental medicine, University "Ss. Cyril and Methodius", Skopje, 2010.
She is member of the Macedonian Orthodontic Society (MOS) (President), Macedonian Dental Society (MDS), Dental Chamber of Macedonia, member of the European Orthodontic Society (EOS), World Federation of Orthodontics (WFO), Anthropological Society of Serbia (ADS), Balkan Stomatologic Society (BaSS), Balkan Association of Orthodontic Specialists (BAOS).

**The lecture will be presented live in Amphitheater I and will be video-transmitted to Amphitheater II*

Branislav Vidovic

INVITED LECTURE

The Influence of Orthodontic Treatment on Facial Balance

10:00-10:20

The lecture will encompass the analysis of facial soft tissues changes following orthodontic treatment. Soft tissue profile changes are assessed with respect to dental and skeletal structure changes in order to determine what kind of mutual connection there is between them and how that connection can be used to efficiently manage dental structures in orthodontic treatment, not only for the purposes of achieving optimal occlusal relationships, but also in the sense of achieving a balanced facial appearance. Attendees of this lecture will be able to define the most important skeletal and dental structures which influence these processes, to analyze the intensity and direction of their mutual connections, and to illustrate them on the basis of obtained clinical practice results by comparing treated cases.

Curriculum Vitae

Dr. Branislav Vidovic is a specialist in Orthodontics and has been in full-time practice of Orthodontics since 1995.
He holds a Master of Science degree in orthodontics. In his private practice, he has the experience of having successfully treated over 4000 patients. He is the author of several scientific papers and served as a lecturer at many dental meetings.
He is the current President of the Serbian Orthodontic Society.

**The lecture will be presented live in Amphitheater I and will be video-transmitted to Amphitheater II*

Michael Kalavrytinos

INVITED LECTURE

Treating Class III maloclusion. Is there a limit between Orthodontics and Surgery?

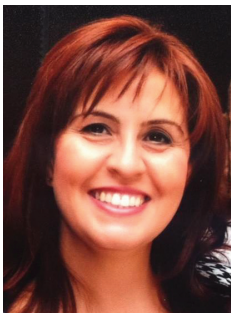
10:20-10:40

Class III orthodontic problems appear with the four following distinct types of malocclusions 1. Pseudo Class III 2. Midface deficiency 3. True mandibular prognathism and 4. Midface deficiency and mandibular prognathism. Diagnosis and differential diagnosis is essential for the application of the appropriate treatment protocol.
Reestablishment of normal function and occlusion is considered the most important treatment approach to prevent excessive mandibular growth or midface deficiency that results in a Class III malocclusion. Normal occlusion should be established from the age of 6 years in order to a. prevent progressive unfavorable bone and soft tissue growth, b. provide a more favorable environment for normal growth, c. improve function of the stomatognathic system and d. eliminate the probability for future surgery.
In the case that the Class III malocclusion remains untreated till puberty a differential diagnosis between Orthodontic Camouflage and Orthognathic Surgery must be done. Treatment Criteria for Orthodontic Camouflage are as follows: OC1.Average or short facial pattern, OC2.Mild anteroposterior jaw discrepancy, OC3.Crowding < 4-6 mm, OC4. Normal soft tissue features (nose, lips, chin), OC5. No transverse skeletal problem. On the other hand the treatment criteria for Orthognathic Surgery are the following: OS1. Long vertical facial pattern, OS2. Moderate or severe anteroposterior jaw discrepancy, OS3. Crowding > 4-6 mm, OS4. Exaggerated soft tissue features and OS5. Transverse skeletal component of problem.
Clinical cases of the four different Class III types with the treatment protocols are presented.

Curriculum Vitae

Dr. Michael Kalavritinos received his Dental Degree from the Aristotle University of Thessaloniki, Greece. First he received postgraduate education in Orthodontics at the Orthodontic Department of the Dental School of Vienna in Austria and after he followed graduate studies at the Orthodontic Department of the Dental School of the University of Munster in Germany. Dr. Kalavritinos holds a Doctorate Degree from Athens University, Greece. From 1989 to 2004 he maintained a private practice limited to Orthodontics in Ennepetal, Germany. In 2001 he was entitled to train Orthodontists in his practice, according to German Bylaws. He practiced also Orthodontics in Sheffield, UK, from 2005 to 2009.
Dr. Kalavritinos served as instructor at the Orthodontic Department of the Dental School of the University of Athens, Greece. Currently he serves as Director of the Orthodontic Department of the Paedodontic Clinic of the City of St. Gallen, Switzerland and Vice-President of the Clinic.
From 1998 to 2000 he was a member of the Health Committee, responsible for the Primary Care Trust of the State of NRW Germany. From 2009 to 2013, Dr. Kalavritinos was Chief Dental Officer of the Greek Government in planning the Oral Health Policy in Greece. From 2011 to 2016 he was Vice President of the Greek Orthodontic Society and a member of the Executive Committee of MDM-Greece.
He has lectured extensively in professional organizations in Europe and Greece, and he has also contributed with several publications in Greek and International dental and medical journals.

**The lecture will be presented live in Amphitheater I and will be video-transmitted to Amphitheater II*



Ayşe Tuba Altuğ

INVITED LECTURE
10:40-11:00

Is it possible to protract the maxilla by surgically assisted rapid maxillary expansion (SARME) and intermaxillary Class III elastics?

The purpose of this lecture is to discuss the maxilla-mandibular changes occurring during the active phase of treatment with SARME and intermaxillary Class III elastics.
A total number of 15 borderline patients (14 males, 1 female; average age: 19,58 years) were included to this particular study. The maxillae of all patients included in the study were significantly constricted and slightly retruded. Each patient received SARME with the use of Class III elastics applied through mini-screws in order to stimulate maxillary advancement. The force applied by elastics was approximately 500 grams. All patients underwent maxillary expansion with Hyrax-type expanders activated two turns a day (0.25 mm per turn). Pre-treatment (T1), post-SARME and elastic use (T2) and post-treatment (T3) lateral cephalograms and posteroanterior (PA) radiographs were obtained. Wilcoxon Sign Test was performed to compare T2–T1, T3–T2, and T3–T1 changes.
Statistically significant improvement was only recorded at the anterior nasal spine (ANS-Ver: 2,21 mm; p<.01) as a sign of maxillary advancement in addition to an efficient and stable maxillary expansion. A contradictory change was reported at point A although all patients included had a significant improvement in their facial profiles. Therefore, these contradictory results were later studied in detail with further methods and they will also be discussed during our presentation.
SARME is an unquestionable method of skeletal maxillary expansion in adult patients. The use of Class III elastics during active expansion period enhances the advancement of maxilla in good responding patients.

Curriculum Vitae

Dr. Ayşe Tuba Altuğ graduated from University of Ankara, School of Dentistry in 1995 and she is still a faculty member at the same university's Orthodontics Department. She also graduated from the Surgical Orthodontic Research Fellowship Program of New York University Medical Center Institute of Reconstructive Plastic Surgery in 2001. She has been working as the Secretary General of the Turkish Orthodontic Society for 3 years.
Her clinical and research interests are mainly focused on; cleft lip and palate, genetics, craniofacial abnormalities, head and neck syndromes and orthognathic surgery.
She is currently a doctorate student on Basic Biotechnology at the Institute of Biotechnology, University of Ankara in order to improve her knowledge on genetics and support her research interest in facial clefting. She has given conferences and hands-on courses on "presurgical infant orthopedics for cleft lip and palate – nasoalveolar molding" at several universities in Turkey. She has published many articles and still working on surgically assisted rapid maxillary expansion (SARME). She is and has been supervising many doctorate and specialization in orthodontics thesis on genetics of cleft lip and palate, genetics of hypodontia, SARME, farengeal airway changes in skeletal Class II and Class III malocclusion following orthognathic surgery.

**The lecture will be presented live in Amphitheater I and will be video-transmitted to Amphitheater II*

INVITED LECTURES

Vasileios F. Zymperdikas and Moschos A. Papadopoulos

INVITED LECTURE
14:30-14:50

Bisphosphonates in Orthodontics: Myths and facts

BACKGROUND: Bisphosphonates are a class of drugs that through the inhibition of osteoclastic activity reduce bone turnover. Consequently, these drugs are reported to interfere with orthodontic movement, since the latter depends on bone metabolism.
OBJECTIVE: Aim of this review was to summarize existing evidence regarding the effectiveness of orthodontic treatment in patients receiving bisphosphonates.
MATERIALS AND METHODS: Unrestricted electronic search of 18 databases was performed up to August 2015. Studies reporting on orthodontic patients under bisphosphonate treatment due to bone-related diseases were included. Data regarding the patient characteristics, the pharmaceutical protocol and the orthodontic procedures were extracted. The primary outcomes were classified as clinical or radiographic. The ROBINS-I tool was implemented for risk of bias judgement of non-randomized studies, while a modified checklist from the one proposed by Agbabiaka et al was used for quality analyses of case reports.
RESULTS: Six studies (5 case reports and 1 retrospective cohort study) were included in the present review, reporting on 28 patients. Orthodontic treatment was associated with longer duration, slower rates of tooth movement and compromised results. Additionally, a controversy exists regarding the observed root resorption as well as the changes in PDL space and the alveolar bone. Moreover, the cohort study was judged with "critical" risk of bias, while the overall case report quality was considered as "lower medium".
CONCLUSIONS: According to current evidence, orthodontic treatment in bisphosphonate patients appears to be associated with compromised outcomes and longer duration owing to impaired osteoclast function and subsequent reduced bone turnover.

Curriculum Vitaes

Dr. Vasileios F. Zymperdikas is a Military Dentist and Postgraduate Student in the Department of Orthodontics of the Aristotle University of Thessaloniki. He received his Dental Degree from the School of Dentistry of the Aristotle University of Thessaloniki in 2011 and he graduated from the Military School of Combat Support Officers in 2012.
During 2012-2013, he worked at the Dental Department and at the Oral and Maxillofacial Surgical Clinic of the 401 Military Hospital of Athens. Subsequently, he served at the 71st Airmobile Brigade in Nea Santa, Greece as a dental officer and a medic instructor. At the same time, he was commissioned as a NATO officer, responsible for matters of transnational organization of military medical support, logistics and sanitation, where he was rewarded twice for his accomplishments. Additionally, he has participated in national and international congresses.
He has also co-authored five scientific articles and two orthodontic book chapters. From April 2017, he serves as the Greek Ambassador for the European Postgraduate Students Orthodontic Society (EPSOS).

Dr. Moschos A. Papadopoulos is *Professor, Chairman and Program Director* at the Department of Orthodontics, School of Dentistry, Aristotle University of Thessaloniki, Greece. He is also President of the Balkan Association of Orthodontic Specialists and of the Orthodontic Society of Northern Greece, Honorary Editor of the "*Hellenic Orthodontic Review*", and served as Asst. Editor of the "*World Journal of Orthodontics*" and as Assoc. Editor of "*Stoma*". He also is/or served as Member of the Editorial Board of 18 peer reviewed journals, and as Referee of 40 orthodontic, dental and medical journals. He is an active member in more than 20 national and international societies, federations, and unions.
Dr. M. A. Papadopoulos received several awards and distinctions, among others the "*Joseph E. Johnson Clinical Award*" and the "*Turpin Award for Evidence-Based Research*" from the American Association of Orthodontists. Currently the main clinical and research interests of Dr. M. A. Papadopoulos include the subjects of "*noncompliance orthodontic treatment*", "*use of miniscrew implants as temporary anchorage devices in orthodontic treatment*", and "*evidence based orthodontics*".
Dr. M. A. Papadopoulos has written the books entitled "*Orthodontic treatment for the Class II non-compliant patient: Current principles and techniques*", "*Skeletal anchorage in orthodontic treatment of Class II malocclusion*", and "*Cleft lip and palate: Diagnosis and treatment management*", has published more than 200 scientific publications, and has presented more than 330 lectures, courses and papers worldwide.

**The lecture will be presented live in Amphitheater I and will be video-transmitted to Amphitheater II*

Sunday
03.12.2017

Amphitheater III [Basement]

ROUND TABLE

Round Table of the Hellenic Professional Union of Orthodontists

09:00-11:00

(in Greek language)

Coordinator:
Anna Papadogeorgaki-Anagnostou

Speakers:
Athanasios Devliotis & Danai Gidarakou

Στρογγυλό Τραπέζι του Επαγγελματικού Συλλόγου Ορθοδοντικών Ελλάδος (ΕΣΟΕ)

Κυριακή
03.12.2017

09:00-11:00

Αμφιθέατρο ΙΙΙ (υπόγειο)

Συντονίστρια:
Άννα Παπαδογεωργάκη-Αναγνώστου

Ομιλητές και Θέματα:

Αθανάσιος Δεβλιώτης:
Προτάσεις εκσυγχρονισμού του επαγγέλματος και προσέλκυσης ασθενών στο ιατρείο.

Δανάη Γιδαράκου:
Επίδραση της αρχιτεκτονικής εσωτερικού χώρου του ορθοδοντικού ιατρείου στην ψυχολογία των ασθενών.

ORAL PRESENTATIONS

Saturday
02.12.2017

Amphitheater III [Basement] 09:00-11:30

Oral Presentations I

1. **Tzatzakis V.** Indirect invisalign: Final step in the completion of orthodontic treatment
2. **Tzatzakis V.** Indirect therapy with invisalign
3. **Tzatzakis V.** Invisalign and preventive orthodontics
4. **Kouvelis G, Papadimitriou A, Merakou K, Doulis I, Karapsias S, Barbouni A.** The impact of fixed orthodontic treatment to saliva properties and microbial flora: A prospective study
5. **Tsolakis KI, Tsolaki AK.** Transverse rebound growth in the rat maxillary complex and application to everyday clinical practice
6. **Palios M, Tsolakis AI, Panagiotis K, Goutzanis L.** Mini implants as a tool for the treatment of congenitally missing lateral incisors in adolescent patients
7. **Dimovska R, Naumovski S.** Teamwork in cleft lip and patient treatment: MK experience
8. ***Doulis I, Papadopoulos MA.** Skeletal-anchored maxillary molar distalization with the amda® appliance: A series of four treated cases
9. ***Kakali L, Stavropoulos D.** Dental agenesis patterns in orthodontic patients
10. ***Katsikogianni E, Korb K, Daum E, Lux CJ, Erber R.** Orthodontically induced root resorption: In-vitro investigation of the role of neuronal guidance molecules in human primary cementoblasts
11. ***Roulias P, Barbouni A, Tsolakis AI.** Prevalence of orthodontic malocclusions in children and adolescents referred to public hospital
12. ***Tsolakis IA, Venkat D, Hans MG, Alonso AD, Palomo JM.** When static meets dynamic: Comparing CBCT and acoustic reflection for upper airway analysis

Papers marked with an asterisk (*) are candidates for the O.S.N.G. Awards

ORAL PRESENTATIONS

Sunday
03.12.2017

Amphitheater I [Ground floor]
Amphitheater II [Basement]
14:50-15:40

Oral Presentations II

1. **Maya C, Ozkalayci N.** Evaluation of facial aesthetics in patients in need of orthodontic treatment
2. **Sharafeldin A, Abdelkader HM, Shahba RA, Hafez H.** Changes in maxillary arch parameters concomitant to maxillary first premolar extraction in treatment of Angle Class II malocclusion
3. **Ayaz B, Akça AB, Ozkalayci N.** Analyzing the force value that is applied by different kind of nickel-titanium wires
4. **Ordu BN, Esenlik E, Findik Y, Orhan H.** Three-dimensional evaluation of segmental and interdental corticotomy-assisted tooth movement on the soft tissue profile
5. **Yüksel E, Esenlik E, Orhan H.** Evaluation of functional orthopedic treatment on soft tissue by three-dimensional imaging

**The presentations will be presented live in Amphitheater I and will be video-transmitted to Amphitheater II*

POSTER PRESENTATIONS

Sunday
03.12.2017

Amphitheater II [Basement]
Amphitheater III [Basement]
16:00-17:30

Poster Presentations

1. ***Magkavali-Trikka P, Emmanouilidis G, Papadopoulos MA.** Mandibular molar uprighting using orthodontic miniscrew implants: A systematic review

2. ***Kakka A, Fanaropoulou T, Damanakis G.** Etiology, effects and treatment of ankylosed deciduous molars: A literature review and report of cases

3. ***Georgiadis AA.** Interproximal reduction: Indications - application

4. ***Giantikidis I, Kakali L, Papadopoulos MA.** Assessment of periodontal biomarkers in gingival crevicular fluid during orthodontic tooth movement: A systematic review

5. ***Inglezos E, Kaklamanos EG, Sander M.** Titanium rapid palatal expander for patients with nickel allergy

6. ***Mylonopoulou IM, Vagdouti G, Katsigialou N, Halazonetis D.** Anchorage reinforcement using ankylosed mandibular primary molars in cases with congenitally missing second premolars

7. ***Tsiavaki C, Tseleki G, Timplalexis D.** Potential allergens in an orthodontic practice

8. **Aydin M, Esenlik E, Orhan H.** Comparison of face mask treatment outcomes in patients with increased and decreased vertical plane angles

9. **Dimitroska S, Stefanova-Trposka MP, Kanurkova L.** Evaluating of morphological changes of dental structures in different facial type

10. **Dontsos V, Chatzigianni A, Papadopoulos M.** Obstructive sleep apnea: A medical condition and orthodontic intervention

11. **Gratsia SD, Katsigialou ND, Angelopoulos GG.** Speech disorders and malocclusion: An orthodontic speech evaluation approach for proper recording

12. **Isufi A, Isufi R, Isufi R.** Orthodontist's collaboration in Orthognathic Surgery

13. **Isufi I, Isufi A, Veshaj H, Isufi R.** Multidisiplinary treatment in patients with skeletal class III malocclusion and missing upper front teeth

14. **Katsigialou ND, Gratsia SD, Angelopoulos GG.** Is there a correlation between hypodontia and malignancy? A hereditary questionnaire proposal

15. **Evangeliou S, Kogia I, Vlachou G.** Orthodontic extrusion or extraction and the abilities they offer

16. **Koukouviti MM, Kyprianou C, Chatzigianni A, Zafeiriadis AA.** Color changes of clear thermoplastic aligners and retainers during intraoral service

17. **Kyprianou C, Koukouviti MM, Zafeiriadis AA, Chatzigianni A.** Computer-assisted infant orthopedics in cleft lip and palate patients: Current concepts

18. **Liasi I, Papazekou P.** Miniscrew orthodontic implants as temporary replacement of missing maxillary lateral incisors

**The lecture will be presented live in Amphitheater II and will be video-transmitted to Amphitheater III*

POSTER PRESENTATIONS

19. **Vasoglou G, Markomanolaki C, Vasoglou M.** Mini-implants as an alternative method to surgical treatment in skeletal open bite cases

20. **Pajevic T, Juloski J, Vucic L, Stamenkovic Z, Stojanovic L.** Class II, division 1 treatment in adolescent using Twin Block appliance: A case report

21. **Papadimitriou A, Mousoulea S, Kloukos D.** Effects of social media on reliable knowledge among patients around orthodontic treatment: A systematic review

22. **Roulias P, Damanakis G, Tsolakis AI.** Advantages of invisalign technique in treatment of difficult clinical cases

23. **Zivkovic Sandic M, Stefanovic NL, Glisic B.** Genetic mutations in hypodontia patients

24. **Sarafopoulou S, Beycan K.** Three-dimensional evaluation of skeletofacial asymmetry in skeletal Class III patients treated with double-jaw orthognathic surgery

25. **Stojanovic L, Stefanovic NL.** Class III malocclusion: Surgery or orthodontics?

26. **Stojanovic L, Stefanovic NL.** Hypodontia of the upper lateral incisors: A therapeutic approach

27. **Yüksel S, Bozkaya E, Toğral N.** Multidisciplinary treatment of Class III malocclusion

28. **Tsiplakis V, Pardalidou P, Dianiskova S.** Comparison between labial and lingual fixed appliances: Patients' perspective

29. **Turk T, Yelken IA.** Treatment of upper arch collapse

30. **Andjelic J, Andjelic I.** Orthodontic prevention in everyday dental practice

31. **Matijevic S, Andjelic I.** Retention of deciduous teeth as a cause of orthodontic anomalies

Papers marked with an asterisk (*) are candidates for the O.S.N.G. Awards

**The lecture will be presented live in Amphitheater II and will be video-transmitted to Amphitheater III*

AUTHORS' AND SPEAKERS' INDEX

REGISTRATION FORM

This Congress is open to all orthodontists, general practitioners and pre- and post-graduate students.
The registration fee includes participation in the scientific program, commercial exhibition, coffee breaks and lunches.

PARTICIPANT

Surname: ..... First name: .....

Street/Nr.: ..... Postal code: .....

City: ..... State/Country: .....

E-mail: ..... Tel.: .....

Participant's status:

Orthodontist ☐ Post-graduate student ☐ Pre-graduate student ☐ Other ☐

CONGRESS FEES

	Early Registration until 10.11.2017		
	Pre-congress course	Congress	Congress & 1 course
Members*	80 € ☐	90 € ☐	150 € ☐
Non-members	100 € ☐	120 € ☐	200 € ☐
Students	40 € ☐	50 € ☐	80 € ☐
	Late Registration after 11.11.2017		
	Pre-congress course	Congress	Congress & 1 course
Members*	120 € ☐	140 € ☐	230 € ☐
Non-members	140 € ☐	160 € ☐	260 € ☐
Students	60 € ☐	80 € ☐	140 € ☐

* *Members of the Balkan Association of Orthodontic Specialists, the Greek Orthodontic Society, the Orthodontic Society of Northern Greece or the Hellenic Professional Union of Orthodontists.*

PAYMENT

To register please make a bank transfer of the corresponding fees to:
Bank of Piraeus, IBAN: GR93 0172 2270 0052 2706 3519 751, BIC: PIRBGRAA,
including your name in the "Information for Beneficiary" field.
Alternatively, you can also use your credit card to pay the congress fees by means of the automatic payment system Easypay, of the Piraeus Bank of Greece, which is available at the address: https://www.easypay.gr

Then, send a copy of the transaction along with this registration form at the secretary of the Orthodontic Society of Northern Greece by e-mail at the address: info@orthoebe.gr.

GENERAL INFORMATION

VENUE

The 1st Congress of Balkan Association of Orthodontic Specialists & the 20th Congress of the Greek Orthodontic Society and the Orthodontic Society of Northern Greece will take place at the Aristotle University Research Dissemination Center (KE.D.E.A.), 3rd Septemvriou str., Aristotle University Campus, in Thessaloniki, Greece.

CONGRESS DATES

The 1st Congress of Balkan Association of Orthodontic Specialists & the 20th Congress of the Greek Orthodontic Society and the Orthodontic Society of Northern Greece will take place on Saturday and Sunday, December 2-3, 2017.
The pre-congress courses will take place on Friday, December 1, 2017.

OFFICIAL LANGUAGES DURING THE CONGRESS

Official language during the congress will be English.

CONGRESS MATERIAL

Participants who register at the 1st Congress of Balkan Association of Orthodontic Specialists & the 20th Congress of the Greek Orthodontic Society and the Orthodontic Society of Northern Greece will receive from the secretariat of the conference a bag with printed material and an identification badge including a summarized congress program. The detailed program can be downloaded in PDF format form the Congress Website at www.baos2017.org. All participants are required to wear their name badges during all congress activities.

EXHIBITION

A commercial exhibition of orthodontic materials, products and equipment will take place during the congress.

SHUTTLE BUS SERVICE

Complimentary Shuttle Bus Service is scheduled from City Hotel, Electra Palace, Makedonia Palace and Mediterranean Palace to the Congress Venue (KE.D.E.A.) and return, according to the following timetable:

	INBOUND				
	City Hotel	Electra Palace	Makedonia Palace	Mediterranean Palace	KE.D.E.A.
Friday, 1st December 2017	08:12 17:25	08:12 17:25	08:22 17:37		08:30 17:45
Saturday, 2nd December 2017	08:02 08:28 19:45	08:02 08:28 19:45	08:12 08:35 19:30	19:50	08:20 08:40
Sunday, 3rd December 2017	08:12 08:40	08:12 08:40	08:22 08:45		08:30 08:50

	OUTBOUND				
	KE.D.E.A.	Mediterranean Palace	Makedonia Palace	Electra Palace	City Hotel
Friday, 1st December 2017	21:30		21:40	21:55	21:55
Saturday, 2nd December 2017	18:10 18:40	23:10	18:18 18:48 23:30	18:30 18:58 23:18	18:30 18:58 23:18
Sunday, 3rd December 2017	18:10 18:40		18:18 18:48	18:28 18:58	18:28 18:58

The exact **pick-up** locations will be the following:
- City Hotel: Northeast corner of Tsimiski & Aristotelous Street in front of the "Flower" Clock and Taxi stand.
- Electra Palace Hotel: Northeast corner of Tsimiski & Aristotelous Street in front of the "Flower" Clock and Taxi stand.
- Makedonia Palace Hotel: Front entrance
- Mediterranean Palace Hotel: Front entrance

PRESIDENT'S RECEPTION

President's Reception will take place in the Congress Venue, on **Friday, December 1, 2017**, after the Opening Ceremony, at 20:00-21:30. Light dinner and drinks will be served.
Participation for the Congress participants is free, while accompanying members can also participate with an extra fee of 20€ per person.

GALA DINNER

The Gala Dinner will take place in Mediterranean Palace Hotel, on **Saturday, December 2, 2017**, at 20:00-23:00.
Participation fee for the Congress participants or accompanying members is 60€ per person. Limited seat number.

Gala Dinner venue:

Mediterranean Palace Hotel, Salaminos 3, GR-54626, Thessaloniki, Greece, Tel.: + 30 2311 240 400
Mediterranean Palace Hotel is situated in the commercial as well as cultural heart of Thessaloniki, next to one of the city's most picturesque areas, Ladadika. Access to the city center is easy and quick, even by foot, in just a few minutes.

TOUR PROGRAM

Vergina - Bus tour, Sunday, December 3, 2017
*Visit at the **Museum of Royal Tombs of Aigai-Vergina, Pella.***

The Organizing Committee of the Congress is planning for the Congress delegates and accompanying persons a visit by bus to the archaeological site of **Vergina**, which is the ancient burial site of the kings of Macedonia, including the tomb of Philip II, for Sunday December 3, 2017.
The bus will depart at 09:00 from the front entrance of the Congress Venue, the KE.D.E.A. building, and will return once the tour is completed at the same point at 16:00.
Participants interested to join this tour are kindly suggested to communicate with the congress secretariat at: info@orthoebe.gr until **Thursday, November 23, 2017** and declare their willingness. A minimum of 20 preregistered participants is required in order for the bus tour to take place. If this minimum number is not achieved by November 23, the bus tour will be canceled.
The cost of the bus tour is 35,00€ per person and includes transportation and tour guide fees. This fee should be paid during the on-site registration at the Congress.
The cost of the entrance fee to the Museum and ancient site is 12,00€ per person, is not covered by the tour fee, and should be paid at the Museum's cashier.
Additional information regarding the archaeological site can be accessed at www.aigai.gr.

Date:	Sunday December 3, 2017
Duration:	09:00 – 16:00
Departure:	Front entrance of the Congress Venue, the KE.D.E.A. building
Included:	Bus transportation and English-speaking guide
Not included:	Museum's fee (12,00€ per person)
Price:	35,00€ per person (Congress participants, Accompanying persons)

CONTINUING MEDICAL EDUCATION (CME) HOURS

For the attendance of either of the Pre-Congress Courses the participants will receive 5 CME hours, while for the attendance at the main Congress they will receive 10 CME hours

CERTIFICATE OF ATTENDANCE

All participants will receive a certificate of attendance at the end of the conference, when they will be asked also to complete the 1st Congress of Balkan Association of Orthodontic Specialists & the 20th Congress of the Greek Orthodontic Society and the Orthodontic Society of Northern Greece evaluation form.

PHOTOGRAPHY-FILMING-RECORDINGS

During the conference there will be official photo coverage and filming of the conference.
Photographing, filming and recording of lectures and poster presentations is **not allowed**.

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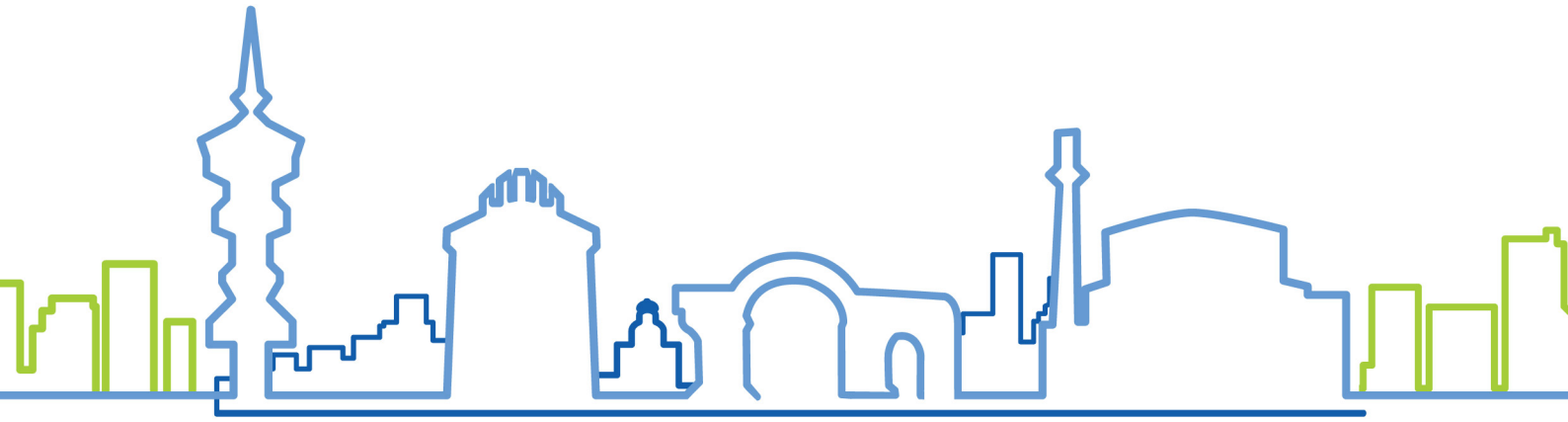

1st CONGRESS
of the Balkan Association of Orthodontic Specialists

&

20th CONGRESS
of the Greek Orthodontic Society and
the Orthodontic Society of Northern Greece

1-2-3 DECEMBER 2017 | THESSALONIKI | GREECE