

IOS

8th INTERNATIONAL
ORTHODONTIC
SYMPOSIUM

Orthodontics 2010

Systematic Interdisciplinary Orthodontics
Experiences and Visions
Reliable Methods and New Trends

PRAGUE

November 25–27, 2010, Kaiserstejnsky palace
www.orthodontics-ios.eu

Total number of credit hours: 18
Fortbildungspunkte: 12 + 6
Sponsored by: DENTAURUM, DTI Institute



Dear Colleagues,

again, it is my pleasure to invite you to participate in the International Orthodontic Symposium, which is now the 8th IOS-Meeting, that we will have in Prague. Please save the date: Nov. 25-27, 2010. The main topic this time will be "Systematic Orthodontics - Experiences and Visions - Reliable Methods and New Trends". Let us come to the center of Europe again to meet exceptional speakers, and to extend the scope and the diversity of treatment approaches for the benefit of our patients.



We are more than ever proud and feel honored that James A. McNamara jr. Ann Arbor, Michigan, has accepted our invitation to lecture for us for a full day about "Straightening Teeth and Faces: Practical Lessons Learned during the First Forty Years". After a long break he will return to lecture in Europe again: in Prague! He will also lecture on "Treatment of Class III Malocclusion: What Works, What Doesn't and Why".

We are equally proud to have Monica Palmer, Berlin, as an outstanding practitioner with a whole life's experience as an orthodontist. Her approach of a combination between health, art, and science will be an unforgettable experience of any orthodontist. In addition, we invited Moschos A. Papadopoulos, Thessaloniki, Aladin Sabbagh, Erlangen, Nezar Watted, Bad Mergentheim, Heinz Winsauer, Bregenz, Benedict Wilmes, Düsseldorf, Wajeeh Khan, Hamm and Josef Kučera, Praha as speakers who will share their knowledge with us.

There will be time enough again for an active discussion to pursue all aspects in depth. And of course, there will be a get together party in a typical Prague restaurant again, with Bohemian music and local gastronomy.

Welcome to Prague again, and I am looking forward to seeing you!

Prof. Dr. Dr. Ralf J. Radlanski, Berlin
President

E-Mail: ralfj.radlanski@charite.de

Pre-Course**Thursday, November 25****09:10 a.m. – 05:00 p.m.****Prof. Dr. James A. McNamara,
Michigan****Straightening Teeth and Faces: Practical
Lessons Learned during the First Forty
Years**

Prof. Dr. James A. McNamara has been an orthodontic resident, doctoral student in anatomy, university professor, teacher and researcher, international lecturer, and private practitioner during the last four decades. His broad experience in clinical and experimental arenas and his worldwide travels have provided him a unique opportunity to synthesize an approach to clinical practice that not only is evidence-based but also is focused on the art as well as the science of orthodontics. The course will range from discussions of the broad topic of treatment timing (including the cervical vertebral maturation (cvm) system that can be used to determine proper timing of treatment) to appliance management. He will synthesize an approach to juvenile, adolescent and adult treatment, incorporating many of the current orthodontic and orthopedic technologies. At the end the participant will:

- Understand the appropriate timing of treatment of tooth-size/arch-size discrepancies, Class II and III
- Be familiar with the CVM-Method of growth staging
- Know details of multiple orthodontic and orthopedic treatment protocols
- Learn the concept of "spontaneous improvement" of Class II malocclusion

Topics to be considered**Treatment of tooth size/arch length problems**

- Orthopedic expansion with the bonded acrylic splint expander for patients with narrow dental arches
- Dentoalveolar expansion with the Schwarz appliance
- TPA/lower lingual arch in use for space management
- Serial extraction for patients with large teeth

Treatment of Class II malocclusion

- Create spontaneous correction of Class II by RME
- Molar distalizing modalities for dental Class II problems (Pendulum/ Pendex)
- Functional jaw orthopedic therapy, with emphasis on the Herbst adolescents and the twin block in juveniles

Fixed Appliance Therapy

- Details of bracket placement for an excellent finishing
- Manipulation of transpalatal arches
- Wire sequencing
- Finishing and retention protocols

Friday, November 26
09:30 a.m. – 11:00 a.m.

Prof. Dr. James A. McNamara, Michigan
Treatment of Class III Malocclusion: What Works, What Doesn't and Why

This presentation will consider various approaches to the management of Class III malocclusion. Both short-term and long-term treatment effects will be discussed and the following topics will be considered: Craniofacial growth in untreated Class III subjects; The orthopedic facial mask of Petit (combined with a bonded acrylic splint expander); The FR-3 appliance of Fränkel; Occipital-pull and vertical-pull chin cups; and, Use of bone plates in the true orthopedic correction of Class III malocclusion.

Prof. Dr. James A. McNamara, a graduate of the University of California Berkeley, received his dental and orthodontic education at the Univ. of California, San Francisco, and a Doctorate in Anatomy from the Univ. of Michigan. He serves as the Thomas M. and Doris Graber Endowed Professor of Dentistry in the Dept. of Orthodontics and Pediatric Dentistry, Prof. of Cell and Developmental Biology in the Univ. of Michigan Medical School and Research Scientist at the Center for Human Growth and Development. He authored (with artist William L. Brudon) *Orthodontics and Dentofacial Orthopedics*.

The speaker is the recipient of the 2008 Albert H. Ketcham Memorial Award, for many the highest award in orthodontics worldwide. He received the Milo Hellman Research Award given by the American Association of Orthodontists (AAO) in 1973 and was the E. Sheldon Friel Memorial Lecturer of the European Orthodontic Society in 1979. Prof. Dr. McNamara also received the Research Recognition Award of the American Association of Oral and Maxillofacial Surgeons in 1983 and the Jacob A. Salzman Award (1994 AAO-Meeting). He is the 1997 recipient of the BF Dewel Biomedical Research Award of the AAO Foundation and the recipient of the James E. Brophy Distinguished Service Award (2001), the highest award given by the AAO and was the recipient of the 7th Biennial Outstanding Research Award given by the EH Angle Education and Research Foundation in 2003.

Prof. Dr. McNamara practices in Ann Arbor with his daughter and two other partners in a beautiful 1889 Victorian. He is a Diplomate of the American Board of Orthodontics and a Fellow of the American College of Dentists. He also is Past-President of the Midwestern Component of the Edward H. Angle Society of Orthodontists. In addition, Prof. Dr. McNamara served as the Chairman of the Council on Scientific Affairs of the AAO from 1993-1996 and is Editor-in-Chief of the 46 volume Craniofacial Growth Monograph Series published through the University of Michigan.

Prof. Dr. McNamara has published over 240 scientific articles in refereed journals, has written, edited or contributed to 67 books and presented courses and lectures in 35 countries.

E-Mail: mcnamara@umich.edu
www.mcnamaraortho.com

Friday, November 26
09:00 a.m. – 09:30 a.m.

**Prof. Dr. Dr. Ralf J. Radlanski,
 Berlin**

**The Alveolar Bone: Postnatal Delicate
 Tissue and Prenatal Sturdy Plasticity**



With or without orthodontic treatment, the alveolar bone is very fragile, delicate and prone to reduction in height, when a certain age has been reached by the individual. Skilled orthodontists are capable of gaining alveolar bone height by dexterous tooth movement. In other cases, it can be lost if we do it all wrong. Recent studies on prenatal formation of the early dental primordia, which are surrounded by fetal alveolar bone to form their sockets, showed the modality of their formation: It is a well interwoven interplay between resorption and apposition that leads to formation of the interdental and interradicular bony septa. The more we know about the processes that control formation of the alveolar bone, the more the chances rise to eventually transfer this knowledge to maintain or even to regain the bone of the alveolar crest in adults some time in the future.

Prof. Dr. Dr. Ralf J. Radlanski, Professor and Head of the Department of Craniofacial Developmental Biology at Charité – Univ. Medicine Berlin, Campus Benjamin Franklin at Freie Univ. Berlin. Education in medicine and dentistry in Göttingen and Minneapolis, graduate and postgraduate education in Anatomy at Göttingen Univ. (Depts. of Morphology and Embryology). Specialization in Orthodontics at Göttingen Univ. (Dept. of Orthodontics) and habilitation (1989) at the Medical Faculty at Göttingen University. Since 1992 at Freie Univ. Berlin. 1999-2007 Managing Director of the Dental Clinic of Charité, Berlin. Guest Professor at University of California at San Francisco and Univ. of Turku, Finland. Part time activity in an orthodontic practice. His current research goes on Craniofacial morphogenesis, computer-animated visualization of fetal developing processes, bridging the gap between molecular biology and morphology. Research in practical and innovative orthodontic therapy. Chairman of the Working Group 1 (Craniofacial Development) of the COST-action B 23. Board member of several national and international educational institutions. Teacher in continuous education in orthodontics in intra- and extra-university institutions. Co-author of "Dynamics of Orthodontics". Member in scientific boards and President of several international congresses, President of the International Orthodontic Symposium in Prag 2004, 2006 - 2010. President of the 10th International Symposium on Tooth Morphogenesis and Differentiation 2010 in Berlin.

E-Mail: ralfj.radlanski@charite.de

Friday, November 26
11:45 a.m. – 12:45 a.m

**Prof. Dr. Nezar Watted D.M.D.,
 D.D.S., Jerusalem**

**A Multidisciplinary concept for a successful
 treatment of impacted teeth under particu-
 lar consideration of dentofacial esthetics**



Common effort of the different dental specialities is to reconstruct a disturbed form, harmonize unphysiologic functional sequences and to optimize esthetics. To reach these aims is not an ordinary task and is aggravated by the fact that different disciplines like orthodontics and periodontics or surgeons are usually not within one office, with exception of dental clinics and some private practices. The process of deciding whether one case is treated best in cooperation of different specialities might be in need of an interdisciplinary collaboration as early as in treatment planning.

This lecture is meant for Orthodontists, Surgeons, Periodontists and general Dentists. Several sections are highly recommended for Oral Surgeons and Pedodontists, particularly those dealing with normal and abnormal dental development, the surgical exposure of impacted teeth, trauma and traumatic impaction of developing incisor teeth, infraoccluded teeth, etc. Coordinated evaluation of diagnostic records, planning and case specific treatment are shown, practical use is demonstrated, difficulties are discussed.

Prof. Dr. Nezar Watted was Professor at the University of Würzburg, Germany and maintains a private orthodontic practice. He has lectured in Europe, USA, and Australia. He has published more than 200 scientific articles, books and book chapters. He authored the book: "Impacted teeth; Diagnosis and successful treatment", and is chief editor of The journal of clinical dentistry and research, contributing Editor of the Journal of cosmetic dentistry and the Journal of Esthetic dentistry and Periodontology. He received the following Prizes: 1995 Josef E. Johnson Table Clinic Award (AAO, San Francisco/USA), 1998 the 1st price for excellence of presentation of a scientific poster in the field of Dentofacial Development and Function at the VII. International Symposium on Dentofacial Development & Function, Jerusalem, 1999 the 1st price in the Esthetic Conference, Munich, Germany, 2000 together with Prof. Dr. Dr. Bill the 1st price for a new Method of Centric Condyle Positioning in Bimax. Osteotomies with intermediate Twin Occlusal Splint (4th Asian Congress on Oral and Maxillofacial Surgery, Seoul/Korea).

E-Mail: nezar.watted@gmx.net

Friday, November 26
02:00 p.m. – 02:30 p.m.

Dr. Josef Kučera, Prague
Fixed functional treatment in Class II malocclusion patients



The goal of the lecture is to evaluate the possibilities of Class II treatment with fixed functional appliances. A study was conducted on a small group of class II patients using the SUS appliance. Cephalometric radiographs were taken before appliance placement and immediately after its removal. Both, hard and soft tissue changes were evaluated in the study. The effects of the appliance were compared with data cited in the literature as well as other methods used for class II correction, including bilateral bicuspid extraction, molar distalization and orthognathic surgery treatment.

Dr. Josef Kučera works after his dental (2004) and orthodontic qualification (2009) at Charles University, Prague, till now in different orthodontic practices in Prague (PetrOrto s.r.o.), Liberec (MUDr. Jaroslava Kučerová) and at the Dept. of Ortho., 1st Medical Faculty, Charles University. His clerkships range from Dept. of cardiosurgery, Karolinska Institutet, Stockholm, Sweden (IFMSA), Dept. of Oral and Maxillofacial surgery, Johann Wolfgang Goethe Universität, Frankfurt am Main, Germany and Dept. of orthodontics, Jan Palacký University, Olomouc to the Dept. of orthodontics and dentofacial orthopedics, Università degli Studi di Firenze, Italy in 2010. At the II. Czecho-Slovak orthodontic congress and X. congress of Czech orthodontic society he received both, the 1. Prize for the best scientific paper of 2008/2009 and the best post-graduate congress lecture, both on the topic: Molar height and dentoalveolar compensation mechanism in females with high mandibular plane angle.

E-Mail: joekuc@yahoo.com



Friday, November 26
02:30 a.m. – 03:00 p.m.

Dr. Wajeeh Khan, Hamm
Advantages of Elastic Thermoplastic
Aligners



Thermoplastic overlay appliances have been used for decades and since the Invisalign® system in 1997 computer aided incremental set-ups have been used to control orthodontic forces in aligner therapy. Less attention has been given to material properties. Softer thermoplastic materials tend to be more pliable and aligners fabricated with such materials adapt better on mal-positioned teeth. A low modulus of elasticity also makes these materials more suitable for generating light orthodontic forces. Modern orthodontic techniques that make use of high-tech computer techniques as well as desirable material properties are obtaining better clinical results in aligner therapy.

Dr. Wajeeh Khan worked after B.D.S 1984 at Univ. of Punjab (Pakistan) as a Postgraduate 1986-1989 in the Dep. of Maxillofacial Surgery at Univ. Hosp. Münster, Germany followed there by his Dr. med. dent. 1989 and a Postgraduate Training in the Dep. of Orthodontics. 1996 he started an orthodontic private practice in Hamm (Germany), since 2006 he is Managing Director of OrthoCaps GmbH.

E-Mail: info@orthocaps.de



Friday, November 26
03:45 a.m. – 05:15 p.m.

**Dr. Monica Palmer, B.D.S.,
 F.D.S.(R.C.S.Edinburgh),
 D.D.O. (R.C.P.S. Glasgow)**
The State Of Our Art



This presentation is a very personal one, which I gave as my farewell lecture to the Orthodontic Society of Berlin and Brandenburg and I am honoured to be asked to repeat at the IOS in Prague 2010.

The fine art of orthodontics and the art of seeing both have a pivotal role to play in an age of important scientific and technological advances in orthodontics. We need to know, where to place the jaws and the teeth of any individual within the face to provide excellence in aesthetics and function. In the presentation I will discuss my life as an orthodontist and a painter and how these two creative aesthetic disciplines supplement each other. I will also talk about beauty and truth, limitations and frustrations and the search for excellence in our profession – illustrated by my orthodontic patients as well as with my own paintings.

Dr. Monica Palmer received her dental and orthodontic postgraduate education in England and later in Toronto, Canada. Her early career was within the University of Newcastle upon Tyne, where her main interest was in interdisciplinary treatment. She obtained her Fellowship in Dental surgery. As a consultant orthodontist she was responsible for the postgraduate orthodontic programme. Since 1980, in private practice in Berlin, she enjoyed the close cooperation with maxillofacial surgeons of the city.

Her main interests are adult interdisciplinary treatment especially the role of aesthetics and harmony, modern imaging techniques to aid diagnosis, treatment planning and treatment evaluation in combined orthodontic surgical cases. She had been invited as keynote speaker on these and other subjects to many international meetings, is an active member of the Angle Society of Europe and served as a member of the Scientific Committee (1994-1998) as chairperson 1998 and as president of the society 2006-2008. She is a member of the European Association of Orthodontists and international member of the AAO.

Dr. Palmer is also an artist and interested in the theories of colour, balance, harmony and Aesthetics and their role in art and in orthodontics.

E-Mail: meportho@t-online.de

Thursday, November 25, 2010

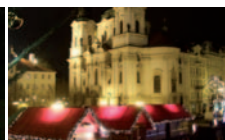
Pre-Course

- 08:30 – 09:00 a.m. Registration
- 09:00 – 09:10 a.m. Opening
- 09:10 – 05:00 p.m. Prof. Dr. James A. McNamara, Michigan
Straightening Teeth and Faces: Practical
Lessons Learned during the First Forty Years

Friday, November 26, 2010

Symposium

- 08:30 – 09:00 a.m. Registration
- 09:00 – 09:30 a.m. Prof. Dr. Ralf J. Radlanski, Berlin
The Alveolar Bone: Postnatal Delicate
Tissue and Prenatal Sturdy Plasticity
- 09:30 – 11:00 a.m. Prof. Dr. James A. McNamara, Michigan
Treatment of Class III Malocclusion:
What Works, What Doesn't and Why
- 11:00 – 11:15 a.m. Discussion
- 11:15 – 11:45 a.m. Coffee break
- 11:45 – 12:45 p.m. Prof. Dr. Nezar Watted, Jerusalem
A Multidisciplinary concept for a suc-
cessful treatment of impacted teeth under
particular consideration of dentofacial
esthetics
- 12:45 – 01:00 p.m. Discussion
- 01:00 – 02:00 p.m. Lunch
- 02:00 – 02:30 p.m. Dr. Josef Kučera, Prague
Fixed functional treatment in Class II
malocclusion patients
- 02:30 – 03:00 p.m. Dr. Wajeeh Khan, Hamm
Advantages of Elastic Thermoplastic Aligners
- 03:00 – 03:15 p.m. Discussion
- 03:15 – 03:45 p.m. Coffee break
- 03:45 – 05:15 p.m. Dr. Monica Palmer, Berlin
The State of Our Art

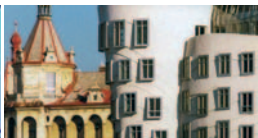


- 05:15 – 05:30 p.m. Discussion
 07:30 – 11:30 p.m. Get-together-party

Saturday, November 27, 2010

Symposium

- 9:00 – 09:45 a.m. Dr. Aladin Sabbagh, Erlangen
 Myofunctional Influence on the Facial Growth in the First, the Mixed and Permanent Dentition
- 09:45 – 10:00 a.m. Discussion
- 10:00 – 10:45 a.m. PD Dr. Dr. Benedict Wilmes, Duesseldorf
 Rapid palatal expansion (RPE) with conventional tooth borne versus tooth- and bone-borne versus pure bone-borne devices, what is the best option?
- 10:45 – 11:00 a.m. Discussion
- 11:00 – 11:30 a.m. Coffee break
- 11:30 – 12:15 p.m. Dr. Ralf Müller-Hartwich, Berlin
 Orthodontic CAD/CAM systems for treatment planning, appliance design and manufacturing
- 12:15 – 12:30 p.m. Discussion
- 12:30 – 01:30 p.m. Coffee break
- 01:30 – 03:00 p.m. Prof. Dr. Moschos A. Papadopoulos, Thessaloniki, Greece
 Contemporary orthodontic treatment of Class II malocclusion: The role of temporary anchorage devices in maxillary molar distalization
- 03:00 – 03:15 p.m. Discussion
- 03:15 – 03:45 p.m. Coffee break
- 03:45 – 04:45 p.m. Dr. Heinz Winsauer, Bregenz
 Median mandibular and maxillary distraction in combination with minimal invasive surgery
- 04:45 – 05:00 p.m. Summary



Saturday, November 27
09:00 a.m. – 09:45 p.m.

Dr. Aladin Sabbagh, Erlangen
CMD & Orthodontics: The Aqua Splint
concept a new and effective interdisciplinary vision



Temporomandibular dysfunction (TMD) is a multifactorial disorder. Malocclusion alone is not always the main factor; psychological factors, stress, trauma, but also connective tissue weakness, cervical syndrome or hormonal factors (alone or combined) often play a major role. The newly developed Aqua Splint is a self-adjusting adaptable CMD Splint, its hydrostatic aqua balance provide fast relief without impressions, bite registration, laboratory procedures or grinding also during the MB-orthodontic treatment. It enables a simple differential diagnosis and effective therapy of the TMD, with a special focus on:

- Diagnoses and management of the CMD before/during/ and after the orthodontic treatment
- How the bite determination using the Aqua Splint can improve the orthodontic outcome.
- Avoiding retardation/ relapse in ortho due to TMJ laxity
- Interdisciplinary occlusal rehabilitation
- Avoiding iatrogenic TMD and high risk cases

The basic principles of this interdisciplinary treatment concept, its indications and restrictions, issues of retention and trouble shooting will be presented in a practiceoriented way, and substantiated by scientific evidence.

Dr. Aladin Sabbagh born in Munich in 1964, graduated at the University of Damascus in 1987 and received his doctorate degree submitting a thesis on "oral manifestations of systemic diseases". 1987 - 1989 Post graduation at the University of Damascus Dep. of Maxillofacial Surgery and certification as oral surgeon. 1989 – 1993 Postgraduate education in orthodontics at the University of Kiel (Germany) and in a certified orthodontic practice in Nuremberg (Germany). 1993 Certification as a specialist in orthodontics (Munich), and start of own private orthodontic practice in Erlangen (Germany). 1996 EU/USA patent, SUS²: the Sabbagh Universal Spring 2002 EU/USA patent, Aqua Splint © Honor Professor and various awards for international outstanding merits in many countries. Member of numerous national and international orthodontic associations and lecturer at the european academy of dental education in Nuremberg and several national & international universities.

E-Mail: info@sabbagh64.com

Saturday, November 27
10:00 a.m. – 10:45 a.m.

**PD Dr. Dr. Benedict Wilmes,
Duesseldorf**

**Rapid palatal expansion (RPE) with
conventional tooth borne versus tooth-
and bone-borne versus pure bone-borne
devices, what is the best option?**



Rapid palatal expansion (RPE) is utilized for treatment of a skeletal crossbite and /or in combination with a facemask for protraction of the maxilla. Conventional tooth-borne appliances rely on an almost complete dentition to transmit the expansion forces to the bony structures of the maxilla and the mid-face. In most cases, tooth borne appliances produce side effects such as buccal tipping of the lateral tooth segments imposing a risk of bony and gingival fenestrations. To overcome these drawbacks, pure bone-borne (palatal distractors) or half bone-borne RPE appliances (Hybridhyrax) were developed.

Many clinical cases as well as advantages and drawbacks of the different treatment opportunities are discussed, respectively.

PD Dr. Dr. Benedict Wilmes studied dentistry at the University of Muenster, Germany. He did a postgraduate training in oral surgery at the Department of Maxillo-facial Surgery at the University of Muenster, where he also finished his dissertation. In 2004 he received a M.S. and a postgraduate degree in orthodontics and dento-facial orthopedics from the University of Düsseldorf. In 2004 he became Assistant Professor, in 2006 Associate Professor at the Department of Orthodontics at the University of Düsseldorf.

PD Dr. Dr. Wilmes is reviewer and consultant of the World Journal of Orthodontics, the Journal of Dental Research and the German Board (DIN) for orthodontic products. He has held more than 100 national and international lectures and courses on skeletal anchorage in orthodontics.

E-Mail: wilmes@med.uni-duesseldorf.de

Saturday, November 27
11:30 a.m. – 12:15 p.m.

Dr. Ralf Müller-Hartwich, Berlin
Orthodontic CAD/CAM systems for treatment planning, appliance design and manufacturing



Established methods require much manual work, skill and experience of the orthodontist. However, predictability and reproducibility of treatment outcomes are limited. Conventional fixed appliances, usually consisting of prefabricated components, require step-by-step adjustment in order to move teeth in the planned direction. Normally, additional tooth movements are necessary at least in the finishing phase at the end of treatment, prolonging treatment time and compromising treatment outcome. Exact treatment planning, e.g. with set-ups, and customized appliances can reduce these problems. Conventional lab set-ups are time-consuming yet and were therefore limited to exceptional situations so far. Advances in imaging, computers, networks and robotics led to the introduction of new methods to orthodontics. Virtual models are generated by scans of plaster casts or impressions, by intraoral scans or calculated from cone-beam CT data. In this way, treatment can be simulated in advance and different treatment strategies can be compared; this allows detailed treatment planning. The application of CAD/CAM enables the production of customized orthodontic appliances in order to put the planned tooth movements into practice. This lecture will present the state of the art and current systems.

Dr. Ralf Müller-Hartwich passed in 1998 his dental licensing exam and became in 2003 Specialist in orthodontics followed in 2004 by the Doctorate as Dr. med. dent. and his time as Senior consultant and assistant professor at the Department of Orthodontics, Dentofacial Orthopedics and Pedodontics of the Charité University Berlin. He was author of numerous publications and held various lectures, in the present focussed on the clinical application of orthodontic CAD/CAM systems and 3-D imaging in orthodontics.

E-Mail: ralf.mueller-hartwich@charite.de

Saturday, November 27
01:30 a.m. – 03:00 p.m.

Prof. Dr. Moschos A. Papadopoulos,
Thessaloniki, Greece

Contemporary orthodontic treatment of
Class II: The role of temporary anchorage
devices in maxillary molar distalization



Treatment options of Class II malocclusion in growing patients include extraoral headgears to distalize maxillary molars, functional appliances to advance the mandible in a more forward position or full fixed appliances in conjunction with intermaxillary elastics. Conventional orthodontic treatment of patients with poor compliance can be very challenging. Noncompliance approaches gain however several unwanted side effects, which diminish their clinical effectiveness. These side effects vary but always accompany molar distalization. Temporary anchorage devices (TADs) may be used to enhance anchorage and to counterbalance these problems. The speaker presents biomechanical principles of distalization devices in an as much as possible evidence based manner and discusses the rationale of the use of TADs in maxillary molar distalization. Further he demonstrates the efficiency of a miniscrew implant supported distalization system, which takes advantage of the stationary anchorage also to retract anterior teeth, providing this way an initially invisible, and later on an easy, noncompliance, nonextraction and efficient treatment approach for the patients with Class II malocclusions.

Dr. Moschos A. Papadopoulos is Associate Prof. and Postgraduate Program Coordinator at the Dep. of Orthodontics, School of Dentistry, Aristotle Univ. of Thessaloniki, Editor of the Hellenic Orthodontic Review, and Asst. Editor of the World Journal of Orthodontics and many others. He has served as Vice President of the Hellenic Professional Union of Orthodontists and Vice Secretary General of the Stomatological Society of Northern Greece and member of the Board of Trustees of the Greek Orth. Society and of the Orth. Society of Northern Greece. He received his Dental Degree from the School of Dentistry of the Aristotle Univ. of Thessaloniki in 1986, his Doctorate Degree and his Certificate in Orthodontics from the from the School of Dentistry of the Univ. of Freiburg, Germany, in 1988 and 1990 respectively. Dr. Papadopoulos has also served as Research Collaborator at the Department of Experimental Surgery, Swiss Research Institute, Davos, Switzerland. He received the "Annual Scientific Award" of the German Association of Plastic Surgeons for the year 2004, as well as the "Joseph E. Johnson Clinical Award" of the AAO for the year 2009. He has written the book Orthodontic treatment for the Class II non-compliant patient: Current principles and techniques and has published more than 120 scientific publications.

E-mail: mikepap@dent.auth.gr

Saturday, November 27
03:45 p.m. – 04:45 p.m.

Dr. Heinz Winsauer, Bregenz
Median mandibular and maxillary distraction in combination with minimal invasive surgery Indication, treatment plan, methodology and case studies.



The treatment of patients with a transversal deficiency of the mandible and/or the maxilla has often failed because of the patients age, the extent of the planned intervention or the fact that the skeletal base could hardly be changed. Winsauer and Ploder developed a tooth borne appliance for widening either the mandible or the maxilla and combined it with a minimal invasive approach for the osteotomy. The access is an incision of only 10mm for a procedure that takes only 10-15 minutes. After 2 days the patient is free of complains. The distraction is done by a toothborne splint expander made either of acrylic or cast wironium. This type of construction guarantees a parallel expansion of the distraction gap. Neither bone screws nor a second appliance removal operation are necessary.

The presentation was published in the Int. J. of Maxillofacial surgery and voted the best Austrian scientific orthodontic paper in the year 2008. Indication, diagnostic setup, preparing measures, check lists, educational advising, all surgical details (movies), the characteristic and fabrication of the appliance is presented step by step. The patients change from narrow jaws, space deficiency and obstructed nasal breathing on to comfortable chewing, attractive smile and free breathing is demonstrated in impressive treatment examples.

Dr. Heinz Winsauer did after completing his Dental and Medical Degree at the University of Innsbruck (1974-86) his specialisation in orthodontics. 1987–1990 he worked for the Dental University of Innsbruck. Since 1990 he has his own private practice in Bregenz, Austria. Dr. Winsauer was the first Austrian orthodontist in a private practice with European Board examination in 1998. Dr. Winsauer filed six international orthodontic patents. In his scientific research on moment/force quantification in rapid maxillary expansion (RME) at Graz Dental University he focusses on rapid maxillary expansion, torque of teeth, intermaxillary force deliverance, unilateral head-gear and early treatment of Angle Class III. He published numerous articles and presentations.

E-Mail: praxis@dr-winsauer.at

President: Prof. Dr. Ralf J. Radlanski (Berlin, Germany),
ralfj.radlanski@charite.de

Scientific board:

Prof. Dr. Tiziano Baccetti (Florence, Italy), t.baccetti@odonto.unifi.it
Dr. Peter Borbély (Budapest, Hungary), peterborbely@yahoo.de
Dr. Izabella Doniec-Zawadzka (Szczecin, Poland), izabeldo@poczta.onet.pl
MUDr. Magdalena Kotová (Prague, Czech Republic), kotova@fnkv.cz
Prof. Dr. Moschos A. Papadopoulos (Thessaloniki, Greece), mikepap@dent.auth.gr
Dr. Herbert Schnurr (Neuchâtel, Switzerland), hr.schnurr@bluewin.ch
Dr. Lothar Schoonbroodt (Eupen, Belgium), info@kfo-schoonbroodt.de
Dr. Silvia M. Silli (Vienna, Austria), silvia@silli.com
Dr. Pekka Anders Steenhagen (Larvik, Norway), astenhag@online.no
MUDr. Hana Týcová (Prague, Czech Republic), h.tycova@seznam.cz
Dr. Olya Zakharenko (Kiev, Ukraine), olya_z@ukr.net



Mediating and Organisation:

Dr. Jan V. Raiman
Kirchröder Str. 77, D-30625 Hannover
Tel.: +49-5 11/55 44 77
E-mail: org@raiman.de

Conference registration

IOS Hannover
Kirchröder Str. 77, 30625 Hannover
Tel.: +49-5 11/55 44 77
Fax: +49-5 11/55 01 55
E-mail: ios@raiman.de
www.ios-hannover.de

Our Emergency Service for you

You've got lost in Prague? You have an urgent question?
Whatever else, call:

00 420/777 606 457 and we will help you.



Symposium venue



The 8th International Orthodontic Symposium 2010 will take part in the **Kaiserstejnský palace**. The address of the palace is **Malostranské náměstí 23/37 Prague 1**. An ideal place for meetings from the times of High Baroque. We are looking forward seeing you and having you there signing in our guest book. Since more than three centuries we have had many satisfied and famous guests.

The Kaiserstejnský palace get a Baroque reconstruction initiated by Sir Kaiserstein but completed by Petr Radecký (1699–1720). In 1859 a Monument of marshal Radecký was built on the square. Until 1918 the square carried his name.

Public Transport

Metro: LINE A (Green) Station Malostranska

Tram: No. 12, 22, 23



How to get there?

Railway: 59 international train service daily

All Airlines:

Please look at: www.pragueairport.co.uk/airlines-airport.htm

Conditions of Payment

IOS-Hanover
Germany

Account: 0 205 190 819

Bank Code: 300 606 01

APO-Bank Braunschweig

International **IBAN:** DE72 3006 0601 0205 1908 19

SWIFT: DAAEDED

or credit card

All payments can be made till 10th November 2010! Later payments are only accepted at the congress reception.

Friday, November 26, 7:30 p.m.

Get-together-party

**Historic Bohemian beer pub
Kolkovna-Olympia, Vít zná 7 – Prague 1**

As it is a tradition, we would like to invite you to enjoy the scientific program and also the flair and the spirit of the city of Prague. On Friday evening we will welcome you in a typical historic beer pub to relax from an eventful day, enjoy the delicious Prague cuisine and the famous Czech beer specialities. You will have the chance to meet the speakers personally, meet old friends and get to know new friends.

And after all you are invited to experience the old and new times of Prague at night and visit one of the numerous nightlife spots downtown. Prague is one of the capitals of nightlife in Europe! This evening event is a real highlight of your days in Prague, too!



„After the conference at
7:30 in the
Olympia...“

With Bohemian Cuisine
and music
www.svejkmusik.wz.cz
www.kolkovna.cz