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Dear Colleagues!

The series of International Orthodontic Symposia has become an institution during the last decade, where 150–250 participants from around 20 nations use to come together during the first advent-weekend to share the knowledge with internationally renowned speakers.

Now we will have reached the 10th Anniversary Orthodontic Symposium in Prague! For this outstanding event we are happy to announce lectures given by speakers who represent orthodontics and craniofacial orthopaedics at the cutting edge worldwide.

To remember Tiziano Baccetti, who tragically came to death during our last symposium, we have introduced a “Tiziano-Baccetti-Memorial-Lecture”, which will be held by the speaker, who is giving the pre-congress course. This first memorial lecture will be given by John Mew from London.

It is the custom of this congress series that the presentations may last between 30–90 min, followed by an extensive discussion to address all open questions thoroughly. This way, a rather familiar atmosphere has been created among the participants. I invite you again to come to Prague to listen and discuss with the top representatives of our discipline, and to meet in a familiar, relaxing atmosphere.

Maybe it is this mixture that has made our congress series so successful that we will celebrate the 10th anniversary?

Please also save the date for our 11th IOS-Symposium, November 28th–30th, 2013.

Prof. Dr. Dr. Ralf J. Radlanski Berlin
President
The Philosophy and Application of the Biobloc System of Orthotropics

There is an increasing awareness that most intractable orthodontic problems are associated with vertical (unfavourable) growth. The etiological background to this will be considered and past cures discussed. It will be suggested that many of these “cures” in fact increase vertical growth, as does much of current orthodontic treatment. It is unlikely that a cure for malocclusion will be found until we can convert vertical growth to horizontal growth.

All Orthodontists are aware that the teeth lie in a position of balance between the balancing forces of the soft tissues. Unfortunately oral posture is difficult to measure or control. Evidence of changing vertical to horizontal growth will be presented including ‘consecutive case’ and long-term twin studies. The word “Orthotropics” means growth guidance but it is usually stated as “facial growth guidance”, the objective being to convert vertical growth to horizontal growth and currently it would seem that Biobloc Orthotropics is the only orthodontic system that is able to achieve this.
Patients with a posterior forced bite often show a retro-inclined angulation of the upper front teeth, very frequently combined with an elongation of the upper and lower anterior dentition. In these patients, the effect of a splint can be rendered questionable, when the mandible should come forward further, but is hindered by the incisor teeth. As a consequence, in many cases, the splints are fabricated with a very high vertical dimension. There are a number of patients, who do not tolerate this vertical dimension of the splints, and thus they are not worn as frequently as they should. And with a splint alone, maybe the symptoms could be reduced, however, no improvement of the malocclusion could be expected on the long run.

Even worse: a mandible, that wanted to come forward under the splint will be forced backwards again, as soon as the splint has been removed. Therefore, we combine a splint with an active removable orthodontic appliance. A selection of cases will illustrate the approach and the success that has been achieved using this novel device.

CURRICULUM VITAE

Prof. Dr. Dr. Ralf J. Radlanski is Head of the Department of Craniofacial Developmental Biology at Charité - University Medicine Berlin, Freie Universität Berlin. After education in medicine and dentistry in Göttingen and Minneapolis, he received a graduate and postgraduate education in Anatomy at Göttingen University (Depts. of Morphology and Embryology). Specialization in Orthodontics at Göttingen University (Dept. of Orthodontics) and habilitation (1989) at the Medical Faculty at Göttingen University. Since 1992 at Freie Universität Berlin. 1999-2007 Managing Director of the Dental Clinic of Charité, Berlin. Guest Professor at University of California at San Francisco and University of Turku, Finland. Part time activity in an orthodontic practice.


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FRIDAY, NOVEMBER 30\textsuperscript{TH} 09:30 – 11:00

Prof. Dr. John Mew  London

Tiziano-Baccetti-Memorial-Lecture

Is there a Cure for Malocclusion?

In 1981 John Mew published a new hypothesis for the aetiology of malocclusion suggesting it was primarily due to increased vertical growth precipitated by adverse oral posture and current lifestyle. He re-enforced this message in 2004 and his hypothesis has yet to be challenged on scientific grounds.

Unfortunately both fixed and functional treatments tend to increase vertical growth. To overcome this problem Mew developed Orthotropics\textsuperscript{®} using simple appliances to take the maxilla forward and then training the patient to correct their oral posture and motor tone so that the teeth can align themselves, naturally and permanently.

Orthotropics does not require long-term retention and the results have proved to be ‘Highly Significant’ better than a range of traditional orthodontic methods. The presentation will include research papers on identical twins treated by different methods and the perception of different treatments made by orthodontists, dentists and the lay public.

CURRICULUM VITAE:

Professor John Mew graduated in dentistry at University College London, and then trained in Orthognathic surgery at the Royal Victoria Hospital, East Grinstead, where he developed an interest in the science of facial growth. Seeking alternatives to facial surgery he returned in 1965 to University College to specialise in orthodontics. Since then he has been developing non-surgical methods of correcting unattractive vertical growth in children’s faces. He has written many papers on the subspecialty of ‘Orthotropics’ which aims to encourage horizontal growth by changing oral posture. He has also written a textbook and published many articles internationally on this subject. He has received many accolades including life membership of the British Dental Association, Visiting Professor of University of Timisoara, an Honorary Diplomate of the Royal College of General Dental Practice, Fellowship of the International College of Dentists, and ‘outstanding achievement awards’ from the International Association of Orthodontics and the International Functional Association

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It is the goal of any orthodontic treatment to improve occlusal function and dentofacial esthetics. At the same time, a support of long-term health of the dentition is desired. Like any kind of medical or dental treatment, orthodontic movement of teeth entails principal risks which have to be explained to the patient. Among the risks that have been discovered, mechanically induced resorption of the roots of teeth is of particular interest.

In the course of the lecture, recent basic research and clinically relevant aspects will be covered like incidence, etiology, diagnosis and possible strategies for avoidance. Special attention is given to the differentiation between possible risk factors inherent in treatment mechanics and those arising from susceptibility of the patient.

CURRICULUM VITAE

EDUCATION/DEGREES:
1974-1979 University of Göttingen, Medical faculty, Dental school
1983 Doctoral thesis, University of Göttingen
1991 Habilitation, University of Göttingen

CLINICAL AND RESEARCH EXPERIENCE:
1981-1985 Clinical resident, Dept. of Orthodontics Dental Clinic of the University Göttingen,
1985 Certification as specialist in orthodontics
1985-1991 Senior scientific assistant, University of Göttingen
1991-1996 Associate professor, University of Göttingen
1996-1997 Full professor, University of Göttingen
since 1997 Director of the Orthodontic Department of Bonn
since 2008 Speaker and Co-Investigator of the Clinical Research Unit 208 (KFO 208)
since 2009 President of the German Society of Orthodontics (DGKFO)
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Lingual retainers are bonded to ensure stability and aesthetics of the clinical result. Recently reports described “Unexpected complications of bonded mandibular retainers”, showing single teeth moving out of the dental arch and even extreme root displacements due to rotation around retainer axis. To find a biomechanical rationale for this so-called “X-Effect”, we used the finite element method (FEM). For the FEM model the teeth 33-43 were aligned and various retainer situations simulated: No retainer, and a retainer in the incisal third and the middle of the clinical crown or near to the gingival margin, using solid, twisted steel or titanium wires. Limiting conditions were: approximal force 0.5-2.5 N, forces from lip or tongue 0.0-2.0 N and design of the approximal contact. In the model without any retainer no X-Effect occurred.

Obviously, the crowding can be explained by the assumed forces. In the models with retainers this could not be seen. The initial tooth displacement followed the regular biomechanical pattern. A shift of the center of rotation could only be observed either, if the stiffness of the retainer was extremely high, or when a long-term orthodontic tooth movement was simulated. Flattening the approximal contact by stripping could efficiently reduce the X-Effect. Consequently, the biomechanical rationale of the X-Effect is the stiffness of the retainer compared to the bone remodelling.

CURRICULUM VITAE

Prof. Dr. Bourauel is Prof. and Head of the Endowed Chair of Oral Technology (Dental Clinic, University of Bonn). After he studied physics in Bonn, he was head of the Experimental Orthodontics Laboratory at the Orthodontic Department (1987-2005). His main scientific focus lies in the fields of dental biomechanics and materials science. Dr. Bourauel has published over 160 papers in national and international journals in orthodontics, biomechanics, biomedical engineering and materials science. Together with various co-workers he received several awards, among them: Best Paper of the Year Award of the German Assoc. of Orthod. in 1990, Helen and B.S. Dewel Award of the AAO in 1992 and he was awarded the EOS Distinguished Teacher’s Award in 2007.

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Among class II patients scheduled for orthognathic surgery, those with a short face syndrome and with a skeletally deep bite only make up a small portion. Nevertheless it is a complex challenge for the orthodontist and for the surgeon to achieve the individual treatment goals.

The harmony of the facial relations is impaired in these patients: The skeletal lower face and the soft tissue profile show a deficit in height compared to the mid-face. Lengthening of the lower face with its effect on facial esthetics can be corrected causally only, e.g. in a combined approach with surgical enlargement of the gonial-angle. This lecture presents a suitable concept for correction of Class-II-malocclusions with a short face syndrome and skeletal and dental consequences with their benefit for the facial appearance.

CURRICULUM VITAE

Dr. Nezar Watted, D.M.D., D.D.S. maintains a private Orthodontic Clinic (Center for Dentistry, Research and Esthetics). He lectures in Europe, USA and Australia, and published more than 380 scientific articles books and book chapters. He authored the book "Impacted teeth; Diagnosis and Successful Treatment" and is chief editor of ‘AT-TAJ Journal - The journal of clinical dentistry and research”, contributing Editor of the Journal of cosmetic dentistry and Journal of Esthetic dentistry and Periodontology. He received awards like the 1st Price of Josef E. Johnson Table Clinic Award (94th Annual Session of the AAO in San Francisco/USA 1995), the 1st price in the Esthetic Conference (1999, Munich, Germany) and in 2000 together with Prof. Bill the 1st Price for a new Method of Centric Condyle Positioning in Bimaxillary Osteotomies with Intermediate Twin Occlusal Splint (4th Asian Congress on Oral and Maxillofacial Surgery, Seoul/Korea). His main interests are esthetics in orthodontics, combined orthodontic-surgical treatment, combined periodontal-orthodontic treatment and functional orthopedics.

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Every orthodontic treatment plan is based on comprehensive explicit knowledge (evidence-based, state-of-the-art) and implicit knowledge (experience, intuition). Its formulation also requires the ability of abstraction, since most of its contents is created only in the doctor’s head. Because it is very time consuming to manufacture, an actual diagnostic setup model is only created in very complex cases (i.e. EX/Non-EX). However, in clinical practice it would always be helpful to have a quick visualization available – be it for evaluation of required space, for optimized bracket placement, bending wires or for consultation with the patient. In literature one cannot find a generally accepted “cooking recipe” for a diagnostic setup but a multitude of theories, opinions and guidelines.

This presentation shows the most important concepts for an “ideal” dentition, helpful tools for the manual creation of a setup and software for virtual 3-D treatment planning. We will show how everyone can create a virtual treatment objective by using the orthodontic analysis software OnyxCeph³ as an example. This software offers a semi-automatic setup creation process based on scientific concepts. These and the used visualization tools are demonstrated and the prerequisites for a virtual workflow are shown.

CURRICULUM VITAE


Dipl.-Ing. Mag. Christian Url studied computer science (2001–2005, University of Vienna) and software engineering (2006–2009, Vienna University of Technology) and since 1999, her works in medical technology and he is specialized in robot technology and 3-D-virtualization in dentistry. As an engineer for development at Orthorobot Medizintechnik GmbH, Vienna, since 2004, he develops robot based, indirect bracket positioning based on virtual treatment planning.

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CURRICULUM VITAE

Dr. Dr. Wolfgang Kater graduated in general medicine (1979-1985) and dental medicine (1983-1987). He did his two doctor degrees with magna cum laude. 1987-1993 he worked as research fellow at the Dept. of Maxillo- and Craniofacial Surgery (University of Frankfurt), since 1985 as chief resident with focus on orthognathic surgery, craniofacial surgery, and traumatology. His scientific work embraces various publications, lectures and presentations on national and international conferences. Since 1993 he has built up a specialized clinic for surgical treatment of orthognathic surgery at the Academic Teaching Hospital of the University of Frankfurt in Bad Homburg. Several times Dr. Dr. Kater was on hospitation visits with Tessier (Paris) or Guerrero (Caracas). Since 1993 he is the head of the Department of oral and maxillofacial surgery in Bad Homburg with over 500 orthognathic surgical procedures a year.

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THURSDAY, NOVEMBER 29TH, 2012  PRE-COURSE

08:30  Registration
09:00  Opening
09:10  Prof. Dr. John Mew  London
     The Philosophy and Application of the Biobloc
     System of Orthotropics

FRIDAY, NOVEMBER 30TH, 2012  SYMPOSIUM

08:30  Registration
09:00  Prof. Dr. Dr. Ralf J. Radlanski  Berlin
      Welcome
      A Novel Combined Splint-Orthodontic Removable
      Appliance to Correct a Posterior Forced Bite
09:30  Prof. Dr. John Mew  London
      Tiziano-Baccetti-Memorial-Lecture
      Is there a Cure for Malocclusion?
11:00  Coffee break (30 minutes)
11:30  Prof. Dr. Andreas Jäger  Bonn
      Orthodontic Tooth Movement and Root Resorption
12:15  Prof. Dr. Christoph Bourauel  Bonn
      Retention Problems and the X-Effect –
      A Biomechanical Analysis
12:45  Lunch (60 minutes)
13:45  Dr. Nezar Watted  Bad Mergentheim
      An Integrated Concept for Surgical Lengthening
      of the Lower Face in Patients with Class II Deformi-
      ties and Skeletal Deep Bite – “Short-Face-Syndrome”
14:15  Dr. Silvia M. Silll  Vienna
      Dipl.-Ing. Mag. Christian Url  Vienna
      The Computer Based Diagnostic Setup
14:45  Coffee break (30 minutes)
15:15  Dr. Dr. Wolfgang Kater  Bad Homburg
      Distraction Versus Extraction
16:30  Summary (5 minutes)
19:30  Get-together-Party with traditional bohemian cuisine,
      Czech beer and music
SATURDAY, DECEMBER 1ST, 2012 SYMPOSIUM

09:00  Dr. Péter Borbély  Budapest
Application of the Latest Key Learnings of an International Meeting in the Daily Praxis

09:30  Dr. Dr. Alexandra Bodmann  Schongau
Orthodontic Treatment Without Functional Appliance is not State-Of-The-Art

10:00  Prof. Dr. Dr. Rainer B. Drommer  Heidelberg
Prof. Dr. Manfred Schüßler  Heidelberg
Toronto-Concept and Apollo-Concept: Intelligent Adult Treatment

11:00  Coffee break (30 minutes)

11:30  Dr. Björn Ludwig  Traben-Trarbach
Prof. Dr. Gero Kinzinger  Tönisvorst
Mini-Implants – Increasing Success – the Anterior Palate

12:45  Lunch (60 minutes)

13:45  Dr. Aladin Sabbagh  Erlangen
The Concept of Manual Functional Diagnostic (MFD) and AquaSplint Therapy
Management of TMD-Problems Prior, During and After Orthodontic Treatment

14:45  Coffee break (30 minutes)

15:15  Dr. Heinz Winsauer  Bregenz
DDr. Oliver Ploder  Feldkirch
3-D Movement after Mandibular Midline Distraction using a Cemented and Screw-Fixated Tooth-Borne Appliance

17:00  Summary (5 minutes)
All presentations will be discussed subsequently

Charles Bridge Prague
The presentation is meant to show how the lecturer has been able to solve difficult cases after having learned about new ideas or methods at international meetings. In modern dentistry, congenitally missing teeth or spaces after extractions are not being replaced by means of bridgework, but with implants. Losing a tooth does not simply mean the absence of it, but over the time the alveolar process is prone to atrophy. In these cases, the insertion of prosthetic implants becomes difficult. With the help of orthodontic implants, teeth can be moved in such a way to create bone around themselves. The author will show cases with various treatment options. In cases of congenitally missing tooth, timely planned tooth transplantation can offer excellent results.

Severe crowding of mandibular anterior teeth requires an extraction therapy. In order to achieve a proper occlusion, it is suggested to extract teeth from the maxilla as well. However, all this can negatively influence the profile of the patient. With the help of osteodistraction it is possible to gain space without any extraction.

CURRICULUM VITAE

Peter Borbély studied dentistry at the Semmelweis University, Budapest, Hungary. For the first ten years after graduation he worked as a general practitioner in Hungary. Later he did a postgraduate training in the Department of Orthodontics at the University of Hamburg, Germany, where he also finished his dissertation in 2003. He got the Certificate in Orthodontics at Budapest in 1986 and in Hamburg in 1993. In 2006, he received a PhD at the Semmelweis University.

He runs a private orthodontic practice and works as a guest lecturer at the Faculty of Dentistry at the Semmelweis University. Also, he is co-author of the “Az egységes technika” and editor of the “Kieferorthopädische Mitteilungen” and “Fogszabályozás”. Borbély is the inventor of the “KRUPP KFO-Laser” measuring machine.

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Orthodontic Treatment Without Functional Appliances is not State-Of-The-Art!
The FGB (functional generating bite) appliance avoids dysfunctions during children’s growth

Functional appliances like the FGB can be used from the age of three years up to the stage of the permanent dentition. They support growth by correcting any dysfunction of the whole body, which may be caused by dislocking the dentition. As a result, the mandible is stabilized just by the stomatognatic muscles. Also, the muscular systems of the spine and the pelvis are influenced in a positive way: The posture is getting better just by harmonizing the muscular balance of the body. The different auxiliaries of the FGB can correct a crossbite, a deep bite or an open bite. The result stays stable due to the correct inclination of the occlusal plane. In one part of the presentation, it will be explained, how we can convert the bite and correct the inclination of the occlusion. The FGB appliance is easy to handle for any dentist, as it is a simple and very effective functional appliance. Do not miss it!

CURRICULUM VITAE

Born in Vienna (Austria) in 1971. She graduated at the University of Vienna in 1996 and received her first doctorate degree in human medicine. In 2000 she received her second doctorate degree in dentistry and enrolled as a Master of Science for interceptive orthodontics between 2006 and 2008. Since 2000 she works in her own practice in Schongau with specialization pediatric dentistry (certified from the University of Erlangen, Germany, in 2004) The main topic of her lectures is deals with early operative and orthodontic treatment for children upon the age of three years.

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SATURDAY, DECEMBER 1ST 10:00–11:00

Dr. Manfred Schüßler Heidelberg
Prof. Dr. Dr. Rainer B. Drommer Heidelberg

Toronto-Concept and Apollo-Concept: Intelligent Adult Treatment

Simple solutions for difficult problems! This aim is the idea behind both concepts. The Toronto-nBaH-concept (non Bracket active Hybrid), presented by Dr. Schüßler was conceived at the 2001 AAO in Toronto and consists of a bracket-free approach using a lingual straight-wire in conjunction with detachable aligners. A silicone coated, highly elastic lingual wire is glued into position without brackets and is used in conjunction with removable aligners. This approach is intelligent in design by the choice of wire, its positioning on the tooth, the precision of the setup and occlusion.

The Apollo-Concept (Application of partial onlays leads to less orthodontics) promotes surgery before orthodontics as the key for treatment of dysgnathia, leading to significant shortening of treatment duration from 12-24 months down to 6-12 months. Via model surgery partial onlays are generated in the articulator, which are glued onto occlusal plane before actual surgery. This allows to position the jaw into its skeletally neutral state. Active orthodontic treatment begins 4 weeks after surgery. Both concepts shorten treatment time, reduce strain on the patient and gain highly satisfactory results. They can be easily used for adult treatment.

CURRICULUM VITAE

Dr. Manfred Schüßler graduated 1976 (Univ. of Heidelberg), underwent there 1976-1978 an oral surgery training, 1978-1980 an orthodontic training with Dr. Eduardo Madsen (Weinheim/Germany) and 1980-1982 at the Univ. of Geneva (Switzerland) with Prof. Jean Pierre Joho. Since 1982 he runs an orthodontic office in Heidelberg and was 2004-2010 faculty associate at the Univ. of Heidelberg.

Prof. Dr. Dr. med. Rainer B. Drommer (Maxillofacial Surgery/ Plastic Surgery) habilitated at Univ. Göttingen in 1984. He worked worldwide at various international hospitals, was Prof. of Max. Fac. Surgery in 1987 (Univ. of Heidelberg), since 1995 Dir. of the Centre of Plastic & Aesthetic Fac. Surg. at the ATOS Hosp. Heidelberg.

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SATURDAY, DECEMBER 1ST 11:30 – 12:45

Dr. Bjorn Ludwig  Traben-Trarbach
Prof. Dr. Gero Kinzinger  Tönisvorst

Mini-Implants – Increasing Success – the Anterior Palate

Currently, cortical anchorage is a well respected treatment aid. Clinically and in 3-D CT studies, it has been demonstrated, that the anterior palate is a reliable and valid field of placement. Various mechanics can be adapted for distalization, RPE, space closure, intrusion and extrusion. While Dr. Ludwig will present case studies with a standard workflow of insertion and adapted biomechanics, the lecture will show scientific and clinical perspectives of miniscrews.

Molar Distalization with the skeletal pendulum-K (Frog)
Among fixed appliances for molar distalization, the pendulum appliance is a frictionless, intramaxillary system. Continuous transatory distalization is possible with the specific biomechanics of the pendulum-K appliance, a special modification (toe-in bend, uprightening activation at the end of the pendulum spring, distalization activation of 1.8 - 2.2 N, reactivation by means of a distal screw). Pendulum-K appliances can be skeletally anchored or tooth borne. The lecture shows the evolution of Pendulum-K appliance including case studies and research.

CURRICULUM VITAE

Bjorn Ludwig has his own private orthodontic practice in Traben-Trarbach, Germany, and is scientific coordinator and Assistant Professor of the University of Homburg/ Saar, Dept. of Orthodontics. His research focus is on cortical anchorage with miniscrews. He has published more than 80 scientific papers and is editor of the book “Mini-implants in orthodontics” (Quintessence).

Prof. Dr. med. dent. Gero Kinzinger studied Law and Dentistry (University Bonn) and runs a private orthodontic practice since 2001 in Tönisvorst (Germany). In 2006 he habilitated himself at RWTH Aachen, 2007 received the Certification as “Diplomate of the German Board of Orthodontics and Orofacial Orthopedics” and the venia legendi in 2010. His scientific work focused on: Molar Distalisation with fixed non-compliant appliances and effects of fixed functional orthodontics. He works for various international journals.

E-mail: kfouludwig@aol.com  E-mail: info@kfo-kinzinger-und-schroeder.de

Der explosionsartige Entwicklungsschub im Bereich der festsitzenden Klasse-II-Apparaturen in den letzten Jahren lässt einen vollständigen Überblick für den praktisch tätigen Kollegen kaum mehr realisierbar erscheinen. So entstand der Wunsch nach einer Übersicht, um die Entscheidung für oder gegen ein Therapiegerät zu vereinfachen.

In diesem Buch werden daher die wichtigsten neuen und etablierten Apparaturen zur festsitzenden Therapie der Klasse II vorgestellt und dem Leser detailliert und praxisnah erläutert. Zu jeder Apparatur kommen die jeweiligen Spezialisten zu Wort, was dem Inhalt eine besonders fundierte Basis verschafft. Zahlreiche Patientenfälle illustrieren das Vorgehen am konkreten klinischen Beispiel.

304 Seiten; 925 Abbildungen; Hardcover-Einband; 21 x 28 cm; ISBN: 978-3-86867-051-6; Best.-Nr.: 17290; € 188,–
**SYMPOSIUM**

**SATURDAY, DECEMBER 1**

**13:45 – 14:45**

**Dr. Aladin Sabbagh** Erlangen

**The Concept of Manual Functional Diagnostic (MFD) and AquaSplint Therapy**

Management of TMD-problems prior, during and after orthodontic treatment

TMD is a multifactorial disorder; orthodontic treatment can help treating the TMD especially if the malocclusion has been detected as the main reason. TMD-screening with the means of the MFD and the AquaSplint prior/during orthodontic rehabilitation is indispensable for preventive, therapeutic and forensic reasons not just to treat orthodontic cases with TMD-history but also to avoid iatrogenic mishaps. Furthermore, orthodontic planning and prognosis may be improved. This concept simplifies the complex topic of TMD, due to AquaSplint, the only self adjusting splint that can be immediately and individually adapted and applied even if the patient is wearing braces, bands or aligners, without the need of impressions, bite registration or grinding.

Recent studies show that the clicking phenomenon is not necessary a result of malocclusion and changed management and therapeutic consequences of this phenomenon also during orthodontic therapy. The Lecture demonstrates diagnostic and therapy in practical steps supported by treated cases and scientific evidence.

**CURRICULUM VITAE**

Dr. Aladin Sabbagh was born in Munich in 1964, graduated at the University of Damascus in 1987 and received his doctorate degree on the topic “oral manifestations of systemic diseases”. 1987–1993 he absoloved a Post graduate education at the University of Damascus in maxillofacial surgery and in orthodontics at the University of Kiel (Germany) followed in 1993 by Certification as specialist in orthodontics (Munich) and his own private orthodontic practice in Erlangen (Germany). He holds patented SUS²: the Sabbagh Universal Spring (EU/USA patent1996) and Aqua Splint ® (EU/USA patent, 2002). He is Honor Professor, Member of numerous national and international orthodontic associations, Chairman of the German association of orthodontic in Middle.Frankonia/Bavaria, Lecturer at the European academy of dental education in Nuremberg, and several national & international universities and got various awards for international merits.

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SATURDAY, DECEMBER 1ST 15:15 – 17:00

Heinz Winsauer MD, DDS Bregenz
Oliver Ploder MD DDS, PhD Feldkirch

3-D Movement after Mandibular Midline Distraction using a Cemented and Screw-Fixed Tooth-Borne Appliance

Narrow mandibles can be treated via mandibular midline distraction osteogenesis (MMDO). Several factors should be considered before: amount of transv. discrepancy, period. condition and alternatives. Although up to 10 mm can be gained by MMDO, the technique has not become a routine method yet, because bone-borne devices need to be im-/explanted in two procedures and buccal fixation is inconvenient. One disadvantage of the mainly used band fixation is less stability and non-parallel tooth movements.

A novel designed tooth-borne device, the MMDO-hinge expander, is cemented and fixed with two screws on each side. It allows more and parallel expansion in the anterior avoiding lateral TMJ movements. First the device is fixated and second a minimal invasive approach is used for osteotomy of the mandible. Results are: short OP-time, low morbidity and high success treating mandibular transv. deficiencies.

CURRICULUM VITAE

Heinz Winsauer MD, DDS graduated in general and dental medicine (Univ. of Innsbruck 1974–1986), specialized there in orthodontics (1987–1990), runs his office since 1990 and was the 1st Austrian orthodontist in private office with Europ. Board examination (1998). He holds 9 Int. orthod. patents and his scientific research at the Univ. of Graz focuses on moment/force quantification in RME.


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Das Umfeld prägt den Charakter.


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GET-TOGETHER PARTY
FRIDAY, NOVEMBER 30TH, 19:30

Historic Bohemian beer pub "Kolkovna Palace Savarin"
Na Příkopě 10, Prague 1, 110 00

As it is 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 specialties. 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!
The 10th International Orthodontic Symposium 2012 will take part in the Kaiserstejnsky palace. The address of the palace is Malostranské náměstí 37, Prague 1.

An ideal place for meetings from the times of High Baroque

We are looking forward to you and that you will sign in our guest book. Since more than three centuries many satisfied and famous guests.

The Kaiserstejnsky 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. Václav Petzold, a hotelier, buys 1866 the palace and opens an exclusive restaurant. For the next hundred years it is called “U Petzoldů”. The famous opera singer Emmy Destinn, a partner of Enrico Caruso, rents an apartment here (1904-1908). Total reconstruction begins under the architects Zdeněk Pokorný and Jaroslav Bělský in 1977.

In 1981 the palace is registered as a UNESCO heritage site. In 1997 Restitution procedures are completed and the palace is returned to its original owners.

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All payments can be made **till 22th November 2012!**
Later payments only be made at the congress reception.

*Our special thanks to Ortwin Bato for his pictures of Prague!*
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<td><strong>Pre-course, Prof. Dr. John Mew</strong></td>
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<td>Doctor</td>
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<th>Friday 30th November – Saturday 1st December 2012</th>
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<td><strong>10th International Orthodontic Symposium 2012</strong></td>
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<tr>
<td><strong>Combination Pre-course Orthodontic Symposium 2012</strong></td>
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**The fees include:** Lunch, coffee breaks and **Get-together-Party** with traditional bohemian cuisine, Czech beer and music.

Number of accompanying persons for the **Get-together-Party** 35,— € /Person.

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