Modern Treatment Concepts for Class-II-Corrections in Children, Adolescents and Adults

PRAGUE
28th – 29th November 2008
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Dear Colleagues!

The ORTHODONTICS in Prague, now a regular institution in the field of Orthodontics in Europe, will have its 6th International Symposium on November 28 – 29, 2008. This year, the topic will be: “Modern Treatment Concepts for Class-II-Corrections in Children, Adolescents and Adults”.

We can share the knowledge of well-known experts in our field about related topics: Of course, the classical way of treating these malocclusions with functional appliances will be covered, including both reliable and innovative concepts (Dr. Herbert Schnurr). Non-compliance cases (Dr. Aladin Sabbagh), as we all know, are a challenge: which are the most practical and unerring solutions? There is also a potential of treating cases in later stages, using fixed appliances, lingual appliances included (Dr. Dirk Wiechmann). And also Invisalign™ (Prof. Dr. Rainer-R. Miethke) has its benefits for those patients demanding esthetical appliances throughout treatment. In adult patients suffering from class-II-malocclusions, in many cases the temporomandibular joint is compromised. We need treatment concepts for those patients also, with and without surgical intervention (Prof. Dr. Ingeborg Watzke, DDR. Silvia Silli, Dr. Dr. Axel Berens, Prof. Dr. R. J. Radlanski).

As in previous meetings in Prague, also with ORTHODONTICS, we will have presentations in depth, but we will also have ample time to discuss practical issues with the speakers.

The location will be the “Nosticky Palac”, street “Maltezske namesti”.

Besides the scientific program we will meet in an informal atmosphere in a historic beer pub.

I am looking forward again to meeting you all in Prague, November 28 – 29, 2008!

Prof. Dr. Ralf J. Radlanski, Berlin
President
E-mail: ralfj.radlanski@charite.de
Pre-course  
Thursday, 27th November 2008  
9:00 a.m. – 4:00 p.m.  
Dr. Aladin Sabbagh  
(Erlangen)

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 postgraduation at the University of Damascus, Department 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 his own private orthodontic practice in Erlangen (Germany). 1997 registered patent: the Sabbagh Universal Spring (USA, Germany). 2005 Chairman of the Association of German Orthodontists (BDK) in Middle Franconia/Bavaria.

Non compliance, non extraction, non surgical Class-II-Correction in Children, Adolescents and Adults

The modern techniques of bite correction using fixed functional orthopedic devices (such as SUS/Sabbagh Universal Spring, Herbst®, Jasper Jumper® etc.) facilitate treatment of non compliance class-II-patients.  
The concept of the progressive bite jumping has been proved to be effective even in adults, and it helps to avoid headgear use, extractions, or surgical bite correction (given the right indication).  
The indication of these techniques include space closing in cases of aplasia, and treatment of TMJ dysfunctions (TMD), and can be combined with the orthodontic mini implants to increase the anchorage and improve the results and stability. In this course we will discuss the basic principles of functional bite jumping, its indications and restrictions, and the dento-alveolar and skeletal effects, presenting practice-oriented treatment cases, substantiated by scientific evidence. The steps of appliance insertion and activation, and issues of retention and problem-solving will be demonstrated and discussed.

E-mail: kfo@sw-ortho.de
Friday, 28th November, 9:10 a.m.
Dr. Herbert R. Schnurr (Neuchâtel)

Private practice in Peseux, Neuchâtel, Switzerland. Member of the Swiss Society for Orthodontics. Specialist in Functional Orthodontics and Early Treatment.

Early class-II-treatment with interceptive devices
The BSEP-LB-Nance pro-concept applies fixed constructions working also in non-compliance cases to control myofunctional forces with the help of accompanying elements. This treatment is mini or non invasive and helps to reduce treatment time and risks of relapse.
This presentation offers you an alternative treatment plan based on mini-appliances in primary and mixed denture to improve function and aesthetics. These appliances avoid bad habits, control growing forces and muscular activity and encourage dentoalveolar compensation.
E-mail: hr.schnurr@bluewin.ch

Friday, 28th November, 9:30 a.m.
Dr. Dr. Axel Berens (Hanover)

Private Practice of Oral and Maxillofacial Surgery in Hanover, Germany. Specialist in Oral and Maxillofacial Surgery. Co-founder of the SANO Research Group (Skeletal Anchorage in Orthodontics)

Treatment of transverse problems with an interdisciplinary approach
Crowding due to a narrow skeletal base is a frequent problem in orthodontic treatment. Surgical enlargement of the skeletal structures can be an option to avoid extractions. Surgically assisted maxillary expansion and transverse palatal distraction are of growing importance in combined orthodontic and maxillofacial treatment protocols while mandibular distraction cases still remain a rare event.

In this presentation, one case with a combined distraction in the maxilla and the mandible will be discussed. The distraction was performed by tooth borne appliances in both jaws. A step osteotomy was chosen in the mandible to minimize the risk of root damage and osseous non-union. Surgical techniques for treatment and prophylaxis of recessions will be presented.
E-mail: AxelBerens@web.de
Modern class-II-correction in lingual orthodontics

The correct treatment of a class II malocclusion requires the transverse, vertical and anterior-posterior dimensions of each case to be fully considered. With a custom made lingual appliance these aspects are not only taken into consideration but are easily resolved with outstanding results by the solution being incorporated into the appliance and by the use of modern treatment concepts.

Transversal problems can be corrected by the use of custom made wires with expansion built in or by the use of expansion stops. Vertical discrepancies such as a deep bite can be instantly reduced either by the use of a bite plane on the upper canines or more commonly with occlusal pads on the second molars. Anterior-posterior discrepancies can be corrected not only with extractions or elastics but also with a Herbst used in adolescents and even adults. When this is produced with a custom made appliance, breakage is minimized and treatment effects are maximized. Mini screws can be of additional help and used for space closure or to distalize the upper buccal segments, whilst surgical cases go hand in hand with lingual making it the most discreet way to treat severe class II adult patients.

Class II cases can be successfully treated with an individual lingual appliance by the addition of hooks and bands, bite planes or occlusal pads, custom made brackets and wires so that every aspect of the patients treatment can be managed. Torque control, a vital aspect in lingual treatment, can also be incorporated into the wire. With the combination of existing appliances, e.g. herbst, mini screws, all treatment options can be provided, in children, adolescents and adults.

E-mail: wiechmann@lingualtechnik.de
Friday, 28th November, 2:00 p.m.

Dr. Aladin Sabbagh (Erlangen)

Private practice in Erlangen, Germany. Honorary professorship of the Brazilian society for Orthodontics. Member of the Editorial Board of the journal “Arab Dental” (Essen, Germany). Member of numerous national and international orthodontic associations. Registered patents: The Sabbagh Universal Spring, Herbst®, Jasper Jumper® & Co.

Modern techniques of bite correction in non-compliance cases

The progressive bite jumping, using the fixed functional orthopedic devices (such as SUS, Herbst®, Jasper Jumper® etc.), has been proved to be effective even in adults. It helps to avoid headgear use, extractions, or surgical bite correction.

The comparison of the results and the different skeletal and dental effects of these class-II-correctors help us to understand the indication and contra-indication, the practical considerations and the clinical management of each of them and are helpful to avoid relapse in choosing the right appliance for the right case.

E-mail: kfo@sw-ortho.de
Saturday, 29th November, 09:00 a.m.

MUDr. Petra Hofmanová (Prague)

Dr. Petra Hofmanová completed dental study at Medical Faculty of Charles University Prague (Czech Republic) in 1994 and orthodontics in 2001. Currently in private practice (since 2002) and part-time in teaching hospital Motol, Dept. of Paediatric Dentistry Charles University with focus on orthodontic treatment combined with orthognathic surgery, computer assisted VTO and TMJ. Member of the Czech Orthodontic Society, EOS, WFO, AAO.

CBCT and 3-D imaging—future of our daily practice?

Volume computed tomography is becoming more common in orthodontic practices and improves our diagnostic possibilities, treatment objectives and patient satisfaction. Lateral cephalometric radiographs are an important diagnostic tool for orthodontic and orthognathic surgery treatment, however, their 2 dimensions present several limitations and errors for clinicians. Using 3-D imaging technologies we can benefit from several new views and cuts in different planes, volume rendering enables to create “virtual model” of our patient’s hard and soft tissue with combination of 3-D photo technology. With the development of CBCT (Cone Beam Computed Tomography) there has been a dramatic reduction in radiation exposure to the patient, which allows safe use in our diagnostic field.

This lecture will illustrate some principles in 3-D imaging and the possible applications of 3-D facial imaging on orthodontic practice.

E-mail: ph_orfo@yahoo.com

Saturday, 29th November, 09:45 a.m.

Prof. Dr. Ralf J. Radlanski (Berlin)

Charité-Campus Benjamin Franklin at Freie Universität Berlin – Center for Dental and Craniofacial Sciences.

Posterior forced bite in adult patients with class-II-malocclusion

In many adult patients, a class-II-malocclusion is concomitant with a forced bite in a posterior position of the mandible. In this presentation some typical adult patients with a posterior forced bite and their treatment will be presented and discussed.

E-mail: ralfj.radlanski@charite.de
Friday, 28th November 2008

09:00 – 09:10 a.m. registration

09:10 – 09:30 a.m. **Herbert R. Schnurr**
Early class-II-treatment with interceptive devices

09:30 – 10:00 a.m. **Axel Berens**
Treatment of transverse problems with an interdisciplinary approach

10:00 – 10:30 a.m. coffee break

10:30 – 12:00 p.m. **Dirk Wiechmann**
Modern class-II-correction in lingual orthodontics

12:00 – 12:15 p.m. discussion

12:15 – 2:00 p.m. lunch

2:00 – 2:45 p.m. **Aladin Sabbagh**
Modern techniques of bite correction in non-compliance cases **Part I**

2:45 – 3:15 p.m. coffee break

3:15 – 4:00 p.m. **Aladin Sabbagh**
Modern techniques of bite correction in non-compliance cases **Part II**

4:00 p.m. discussion

7:30 p.m. **“Get-together”-Party**
Enjoy the Evening!
Saturday, 29th November 2008

09:00 – 09:30 a.m.  **Petra Hofmanová**  
CBCT and 3-D imaging–future of our daily practice

09:30 – 09:45 a.m.  discussion

09:45 – 10:30 a.m.  **Ralf J. Radlanski**  
Posterior forced bite in adult patients with class-II-malocclusion

10:30 – 10:45 a.m.  discussion

10:45 – 11:15 a.m.  coffee break

11:15 – 12:00 p.m.  **Rainer R. Miethke**  
Is the Invisalign-System indicated in patients with a class-II-malocclusion?

12:00 – 12:15 p.m.  discussion

12:15 – 2:00 p.m.  lunch

2:00 – 2:30 p.m.  **Silvia Silli**  
Preoperative and postoperative orthodontic treatment modalities in an interdisciplinary teamwork

2:30 – 2:40 p.m.  discussion

2:40 – 3:00 a.m.  coffee break

3:00 – 4:30 p.m.  **Ingeborg M. Watzke**  
Orthognathic surgery. Key elements of orthodontic treatment

4:30 – 4:45 p.m.  discussion

4:45 p.m.  summary
Is the Invisalign-System indicated in patients with a class-II-malocclusion?

This question is of great importance for orthodontists and dentists who might like to refer a respective patient to an Invisalign certified specialist, because they are the first to inform the patient about possible results of the intended therapy. But it is also reasonable to know, what kind of occlusion those patients present who are interested in this novel treatment modality. Therefore, results of a study investigating this relevant aspect will be discussed. Further, it seems adequate to argue how necessary it is to correct an abnormal occlusion in adult patients. The prerequisites for a respective correction needed to be clarified, also finally, many patient examples will be given to illustrate the existing possibilities complemented with hints how to increase the aligner performance in patients with a class-II-malocclusion.

E-mail: rainer-r.miethke@charite.de
Private Practice in Vienna, Austria. Regular Lecturer at the University of Vienna. Development of the Orthorobot System for virtual setup, bracket positioning and bending of individualized archwires with robot technology.

Preoperative and postoperative orthodontic treatment modalities in an interdisciplinary teamwork
In this presentation DDr. Silvia Silli will speak about the secret ingredients of the successful teamwork with Prof. Dr. Ingeborg Watzke, for more than 12 years the surgeon for all patients in her practise who need orthognathic surgery. The following topics will be covered:

Who is the boss–the orthodontist or the surgeon?
The role of sympathy and confidence in teamwork
Key elements of orthodontic treatment planning in case of orthognathic surgery
Key elements for successful treatment outcome
Problems and pitfalls–communication is the key

E-mail: silvia@silli.com
Saturday, 29th November, 3:00 p.m.
Prof. Dr. Ingeborg M. Watzke (Vienna)


Orthognathic surgery. Key elements of orthodontic treatment
In this lecture the following topics will be covered:
Important anatomical landmarks on x-ray for tracing and planning
Key elements of surgical treatment planning
Skeletal malformations. Surgical relevant aspects of classification
Surgical correction of skeletal malformation
Preoperative and postoperative orthodontic treatment modalities for orthognathic surgery. Basic requirements, specific problems and frequent pitfalls
Acute complications and long-term outcome of orthognathic surgery
Several cases will be presented and discussed. In a workshop, each participant will do the planning for two patients.

E-mail: ingeborg.watzke@wienkav.at
6th INTERNATIONAL ORTHODONTICS SYMPOSIUM 2008 will take part in the NOSTICKY Palace in the Street “Maltezske Namesti 1/471”. This Palace is located in the front of the Maltezske Square. It was established in 1623, in Krystof from Nostic’s times, connecting two buildings. More houses and a garden part were connected during 1658–1660. It was Rococo and Classicist rebuilt in the 18th century and even further, yet petite, modifications were performed in the first half of the 19th century. Seat of Culture Department of the Czech Republik and one part is used for cultural purposes.

Public Transport

Metro:
LINE A (Green) Station Malostranska

Tram:
No. 12, 22, 23
Friday, 28th November, 7:30 p.m.
“Get-together”-Party in a historic pub

As it is tradition, we would like to invite you to enjoy not only the scientific program but 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 and enjoy the delicious Prague cuisine and the famous Czech beer specialties. You will have the chance to meet the speakers personally and meet old friends and get to know new ones. 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 and this evening event a real highlight of your days in Prague!
**President:** Prof. Dr. Ralf J. Radlanski (Berlin, Germany)

**Scientific board:**
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Our special thanks are for Ortwin Bato for his pictures of Prague!

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All payments can be made till 10th November 2008! Later payment only can be made at the congress reception.

**Cancellations**

Any changes or cancellations have to be addressed to the Symposium Secretariat. Cancellation of registration will be accepted until 20th October 2008. Refund will be 70% of registration fee. After this date refund will not be possible anymore. The registration can be taken across by any other person.

**Access to Prague**

Thanks to its favourable location in the "Heart of Europe" Prague is an ideal destination to hold meetings, conventions and congresses. In the past, the city became a crossroad for European travellers and a gateway to central and eastern Europe.

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Prof. Vincent G. Kokich

Last lecture in Central Europe —
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Experiences and Visions
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Experience Vincent G. Kokich! He is one of the leading speakers if it comes to orthodontics. With his magnificent experience and unique speaking approach you do not only learn new techniques. You will consider new points of view and are able to maintain even much better results with your patients. And you will be taken by his excellent but easy going way of lecturing.

Get a deep insight in the state of the art treatment!

Vincent G. Kokich is a Professor in the Department of Orthodontics at the University of Washington in Seattle. He also maintains a private orthodontic practice in Tacoma, Washington. He has published 18 book chapters and many scientific articles and reviews. He has given over 650 presentations throughout Europe, North and South America, Africa, Australia, and Asia. He was awarded the Sicher Research Award by the American Association of Orthodontists, and has also received the AAED Presidents Award for Teaching Excellence (2004).

Do not miss this chance!