

**18th INTERNATIONAL
ORTHODONTIC
SYMPOSIUM**

IOS
P R A G U E

The Future in Orthodontics

NOV 29th – DEC 1st

PRAGUE 2018

Kaiserstein palace



www.ios-prague.com





Hubert Stiefenhofer
Company Founder,
Owner, General Manager

FOCUS ON THE CUSTOMER

and high-quality products as well as a fantastic team: These components are the formula of our success and the basis of 30 years of history of Ortho Organizers GmbH/WCO.

Successful since the beginning:

Established in 1988, Ortho Organizer/WCO is a premium provider offering to his customers the best of the world of orthodontic products. Even though this standard is very sophisticated you should expect nothing less of our services.

If you need any products, please get in contact with us.

Our product portfolio:

Aligner	Elastomerics	Laboratory Items
Bands	Extraorals	Tubes
Bonding	Tools	Dental Care
Brackets	Instruments	Pliers
Desinfection	Intraorals	Wires

30
Jahre



World Class Orthodontics®
Ortho Organizers® GmbH

Lauenbühlstraße 59 · D-88161 Lindenberg/Allgäu
Phone: +49 8381 89095-0 · Fax: 89095-30
E-Mail: info@w-c-o.de · Web: www.w-c-o.de

IOS
PRAGUE



Welcome to
**The Future in
Orthodontics**

DEAR COLLEAGUES!

AGAIN, IT IS MY PLEASURE, to invite you to attend the »18th International Orthodontic Symposium« (IOS), which will be held at its traditional date, the first of Advent November 29th – December 1st, 2018 in Prague.

Orthodontics and craniofacial orthopedics nowadays undergo rapid changes. Not only digital aids in diagnostics, planning and treatment improve our workflow, but also the relentless efforts research and innovation of truly devoted investigators and skilled clinicians expand the scope of our treatment options for the benefit of our patients.

This expanded scope of treatment options is reflected by the selection of our internationally distinguished presenters this year.

SO, WE INVITE YOU AGAIN AS THE PARTICIPANTS, coming from more than 30 nations, to experience this international orthodontic congress with its traditionally familiar atmosphere, where young orthodontists come together with the more advanced experts to share the knowledge and to network for ongoing international education.

We are looking forward to seeing you all again in Prague!

R. J. Radlanski

Prof. Dr. Dr. Ralf J. Radlanski Berlin / Germany
EAO & IOS President E-mail: ralfj.radlanski@charite.de

6th EAO ACADEMY

THURSDAY, NOVEMBER 29th 09:00 – 17:00



**EURASIAN
ASSOCIATION OF
ORTHODONTISTS**

*presents one
of the world famous
Lecturer Dr. Chris Chang
in Prague!*



Dr. Chris Chang

Hsinchu City / Taiwan

- ▶ **Open bite correction**
- ▶ **Impaction treatment with TADs**
- ▶ **Hot tips for enhancing efficiency**
- ▶ **Digital orthodontics**

▶ **Open bite correction**

Common anterior open bite corrections include extractions and a variety of appliances, such as high-pull headgear, bite blocks, and elastics. In more severe cases, orthognathic surgery is required to correct the skeletal malocclusion. While surgery proves to be a reliable treatment option, many patients reject it for the prohibitive cost, pain and long recovery time. Recently, TADs have allowed orthodontists to treat some of these patients without orthognathic surgery through intrusion of the posterior maxillary molars. They provide a treatment alternative for mild-to-moderate open bite cases without other skeletal contributing factors.

This lecture will demonstrate how to properly identify and eliminate the etiology of anterior open bite and effective strategies to close it with TADs and extractions.

▶ **Impaction treatment with TADs**

Temporary anchorage devices (TADs) have proven to be extremely reliable and effective in impaction treatment in various positions and many other skeletal malocclusions. Buccal shelf screws are particularly useful in the camouflage treatment of severe Class III treatment and lower anterior impaction, Ramus screws are ideal in uncovering lower deep horizontal impaction. IZC screws are recommended in the correction of Class II, upper anterior impaction and protrusion. Detailed bio-mechanics analysis and treatment protocols will be discussed in dealing with these challenging clinical scenarios.

▶ **Hot tips for enhancing efficiency**

This lecture aims to provide practical tips based on extensive clinical expertise to achieve excellent treatment results without wasted time and efforts by clinicians and patients. Common diagnostic and treatment planning errors as well as effective mechanic designs will be discussed to avoid unwanted tooth movement, reduce archwire changes and cut down treatment time.

▶ **Digital orthodontics**

Digital technology application in Orthodontics can be divided into the diagnosis and treatment aspects. Most clinicians have adopted it to various degrees, in the diagnostic process for example, the use of CBCT in determining the 3 dimensional location of an impaction. In terms of treatment, the latest trend is the adoption of digitally customized, fixed or removable appliances.

This lecture will focus on how to communicate effectively with technicians to produce customized orthodontic appliances. Recommended protocols for precise bonding will also be discussed in order to execute the digitally prescribed treatment plan with increased efficiency and decreased treatment duration.

www.eaomembers.org



[fb.com/
EAOMembers](https://fb.com/EAOMembers)



[instagram.com/
eaomembers](https://instagram.com/eaomembers)



FRIDAY, NOVEMBER 30th 09:15 – 10:45



Dr. Chris Chang

Hsinchu City / Taiwan

Tiziano-Baccetti-Memorial-Lecture

Asymmetry

Asymmetries, whether dental or skeletal, are among the most challenging problems in orthodontics. While surgery proves to be a reliable treatment option to correct skeletal asymmetries, TADs provides a minimally invasive alternative to achieve satisfactory camouflage treatment results.

This lecture aims to demonstrate how to use TADs to develop simplistic and yet effective mechanics in the non-surgical correction of asymmetries.

CURRICULUM VITAE

1. ABO-Certified Orthodontist
2. Publisher, International Journal of Digital Orthodontics
3. Member, Angle Society Midwest Component
4. Founder & President, Newton's A & Beethoven Orthodontic Center, Taiwan

Dr. Chris Chang received his PhD in bone physiology in 1994 and Certificate in Orthodontics from Indiana University - Purdue University Indianapolis in 1996. He is a Diplomate of American Board of Orthodontics(ABO) and member of the Angle Society-Midwest component. He has authored and co-authored numerous journal articles and books, and is internationally recognized for his expertise on simplified mechanics for interdisciplinary treatment. Besides teaching, he is the inventor of OrthoBoneScrew®.

 E-mail: beethoven.tw@gmail.com

 **INSIGNIA**TM

Combining the efficiency of digital smile design and the precision of patient-specific appliances.

www.ormcoeurope.com

Ormco B.V. • Basicweg 20, 3821 BR Amersfoort, The Netherlands

☎ 00800 3032 3032 ✉ OrmcoEuropeCS@ormco.com



Ormco



Impressions of Prague

FRIDAY, NOVEMBER 30th 11:15 – 12:00



Prof. Dr. Michael Wolf
Aachen / Germany

**Permanent retention –
recent consideration &
innovative technologies**

Long term stability of the treatment results is an important issue in orthodontics. Since many years there is a high interest on the development of retention systems to increase the stability orthodontic treatment outcomes. Within the recent discussion of an increasing number of retainer associated post therapeutic changes in tooth position and the use of new digital technologies in the field of orthodontics, new strategies to maintain treatment outcomes have been developed.

The presentation gives a scientific overview on recent considerations in the field of orthodontic retention, its planning and thoughts to increase long term stability. A special focus is considered to the use of new CAD/CAM technologies and digital planning of lingual retainers.

CURRICULUM VITAE

Prof. Dr. Michael Wolf is Director and Chair at the Department of Orthodontics at the University of Aachen, Germany since 2018. He received his PhD and his Certificate in Orthodontics from the School of Dentistry of the University of Bonn, Germany. Prof. Wolf's scientific interest is on the regulation of tooth movement, stability and retention with special focus on periodontal immunology and tissue remodeling following tooth movement.

2010–2014 Prof. Wolf was an active member of the interdisciplinary clinical research unit KF0208 in Bonn (German Research Association, DFG). In 2015 Prof. Wolf was guest professor at the Institute of Craniofacial Research at the National Institute of Health (NICDR/NHI (USA)) and worked on a joint project investigating molecular parameters of orthodontic induced hard tissue remodeling and tooth movement. Since 2016 Prof. Wolf is president of the German Association of Digital Orthodontics and vice president of the German Association of Basic Research (AFG) in dentistry. In 2016 he became chair of the Department of Orthodontics, University of Jena.

Prof. Wolf has published numerous peer-reviewed scientific papers and hold national and international lectures. For his scientific work he received a total of 9 national/international known research awards. He is reviewer for several international journals and active member of the German Orthodontic Association (DGKFO), European Orthodontic Association (EOS), Basic Science Group of the German Dental Association (AFG-DGZMK) and International Association of Dentistry (IADR).

✉ E-mail: michwolf@ukaachen.de

**With special
offers, we are
eagerly waiting
to see you in
Prague.**

**www.teledenta.com
www.aqua-splint.com**

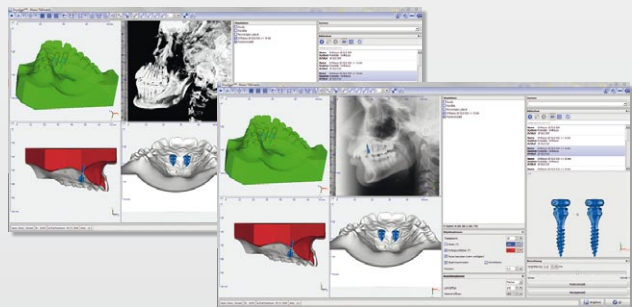
TADmatchTM powered by OnyxCeph^{3TM}



DIGITAL PLANNING FOR PALATAL SKELETAL ANCHORAGE

TADmatchTM module offers:

- Optimized position planning for orthodontic TADs
- Creation of insertion aids
- Insertion of the TADs and aligning of the device in one appointment



Planning is done in relation to virtual Models and additional 2D and 3D image templates.



Prof. Dr. Sebastian Paris
Berlin / Germany

Dental Caries – Facts and Fiction

Dental Caries is still one of the most prevalent diseases in the world and for sure the most important disease in dentistry. For many years it was considered as an infection, caused by pathogenic bacteria like *S. mutans*. Consequently, prevention and therapy mainly were focused on the eradication of bacteria.

However, within the last years a paradigm shift happened. Now caries is regarded as diet-driven and multifactorial influenced dynamic process. This paradigm shift has many implications for the prevention of treatment of the disease.

In the presentation various preventive and therapeutic measures will be discussed as well as the evidence regarding their efficacy.

CURRICULUM VITAE

- 1998–2003 Studies of Dentistry, Charité - Universitätsmedizin Berlin
- 2004–2008 Assistant Professor, Department of Operative Dentistry and Periodontology, Charité - Universitätsmedizin Berlin
- 2005 Doctorate Degree (Promotion)
- 2008–2013 Assistant Professor, Clinic for Operative Dentistry and Periodontology, University of Kiel
- 2012–2013 Associate Professor for Cariology and Preventive Dentistry
- 2011 PhD Thesis (Habilitation)
- since 2013 Full Professor and Head of the Department of Operative and Preventive Dentistry, Charité - Universitätsmedizin Berlin
- since 2016 Scientific Director, Center for Dental and Craniofacial Sciences, Charité - Universitätsmedizin Berlin

✉ E-mail: sebastian.paris@charite.de

PROMEDIA A. Ahnfeldt GmbH

Marienhütte 15 • 57080 Siegen, Germany

Phone: +49 271 - 31 460-0

info@promedia-med.de • www.promedia-med.de

www.orthodontie-shop.de

Impressions of Prague



There are many alginates...

... the difference is

Tetrachrom



Kaniedenta GmbH & Co. KG
Dentalmedizinische Erzeugnisse
Zum Haberland 36 · 32051 Herford
Telefon 0 52 21/34 55 0 · Fax 0 52 21/34 55 11
E-Mail: info@kaniedenta.de · www.kaniedenta.de



FRIDAY, NOVEMBER 30th 13:45 – 14:30



Dr. Amr Asker

Mansoura / Egypt

**Orthodontic role in
multidisciplinary dentistry**

Nowadays unrealistic esthetic expectations are challenge when dealing with adult patients. These patients wish to smile like the one of his (or her) favorite movie star. This requires a team approach in order to meet the patient's demands for better esthetics and to obtain long term occlusal stability of our results.

Orthodontics combined with other dental specialties can produce an end result that supports long term periodontal health and ensures patient's satisfaction with his or her dentofacial esthetics. Orthodontic treatment can also set up the foundation for a future prosthodontic treatment in cases with periodontal, surgical or restorative dental requirements, making it easier for restorative dentist to achieve better esthetic & functional results especially in congenitally missing teeth. Orthodontics is also a valuable tool for other specialties to have at their disposal. This includes esthetics, but can also improve the health of the soft and hard tissues sometimes orthodontics helps periodontally compromised patients.

We're going to discuss and look at some cases that will highlight the importance of the orthodontist in interdisciplinary cooperation with other dental specialties.

CURRICULUM VITAE

Dr. Amr Asker received his BDS from the Faculty of Oral & Dental surgery at Mansoura University in 2006. In 2010 he finished his post graduate study in oral & maxillofacial surgery at Cairo University. Then he joined orthodontic department at Donau University (Austria) where he got his master degree in orthodontics and became a member of European Orthodontic Society. In 2011, he became a member of the International Association of Orthodontics-USA, in 2013 he became Damon certified, then international board eligible in orthodontics and implantology in 2015, which helped him a lot in orthodontic implant combination cases, an area of particular interest to him.

Dr. Asker specialized in management of impacted teeth & class III cases and microimplants and has received an award from the Egyptian Association of Implantologists for his lecture about Micro-implants in orthodontics.

Dr. Asker has given lectures in many conferences locally and internationally, such as FDI in Istanbul 2013, FDI India 2014, APDC 2014, AEEDC Dubai 2015 and EDSIC 2017. He founded the Asker Orthodontic center and institute for post graduate orthodontic education and is author of Asker orthodontic atlas.

 E-mail: amrasker@hotmail.com

FRIDAY, NOVEMBER 30th 14:30 – 15:15


Prof. Dr. Dr. Dirk Nolte
Munich / Germany

Eruption Disturbances: Treatment Implications from a Surgical View

The treatment of severe eruption disturbances of teeth represents a hard therapeutic challenge for the orthodontist. The reasons therefore are various, comprising mechanical induced retention (impaction), primary or secondary retention, and – as the most serious form of them all – primary failure of eruption (PFE). Early recognition is crucial to avoid hindered growth of soft and bone tissues in childhood and adolescence.

Orthodontic treatment often reaches its limits here since severe displacement or secondary retention of teeth needs undoubtedly surgical support. We report on orthodontic cases of tooth retention in which surgical therapy is indispensable. Among those we will report on severely retained canines and premolars not adjustable by orthodontic traction, impacted molars up to complex eruption disturbances of numerous teeth (PFE).

By use of the surgical techniques described such as surgical uprighting, corticotomy, autogenous tooth transplantation and/or segmental osteotomy, most of the eruption disturbances can be treated reliably. Therefore, the reported surgical armamentarium should be kept in mind and always be considered if the established techniques of surgical-orthodontic alignment after tooth exposure are going to fail.

CURRICULUM VITAE

Since 2005 Prof. Dr. Dr. Nolte established his Oral and Maxillofacial Surgery Practice, Munich, Germany, with focus on: implantology, orthodontic surgery, autogenous tooth transplantation, laser surgery, outpatient surgery, aesthetic plastic surgery. In 2005 he became Associate Professor of OMF Surgery, Ruhr-University Bochum, Germany, 2003 Deputy medical director at the Department of OMF and Plastic Surgery, Ruhr-University Bochum, Germany (Director: Prof. Dr. Dr. K.-D. Wolff) and acquisition of "plastic surgery" and in 2000 Senior physician and lecturer, Clinic of OMF Surgery, Ruhr-University Bochum, Germany. In 1999 Prof. Nolte habilitated in Experimental Surgery (PhD). 1997 he was Assistant physician in Clinic and Polyclinic of OMF Surgery, City Hospital, LMU Munich, Germany (Director: Prof. Dr. Dr. M. Ehrenfeld) after his Study in Dentistry, University of Munich, Germany, license as a dentist and promotion as Dr. med. dent. (DMD) 1991–1996. In 1990 he was a Research Fellow at the Department of Applied Mechanics and Engineering Sciences, University of San Diego, California, USA (Director: Prof. Dr. M. Intaglietta).

✉ E-mail: dirk.nolte@mkg-muc.com

FRIDAY, NOVEMBER 30th 15:45 – 16:45


Dr. Sinan Hamadeh
Hennef / Germany

To extract or not to extract

Over 100 years it has been a key question in planning Orthodontic treatment. The decision whether or not to extract is a crucial moment for every clinician especially in borderline cases. Opinions as to the indications of extraction have changed remarkably over the years. Today, modern orthodontic appliances and philosophies make this decision even more challenging and complicated.

This presentation will address the following:

1. History of Extraction/Non-Extraction treatment in Orthodontics
2. Literature review
3. Diagnoses and treatment planning using the McLaughlin dental VTO for accurate and predictable treatment outcome.
4. Space gaining in Non-Extraction treatment with emphasis on Skeletal anchorage
5. Cases studies

CURRICULUM VITAE

Sinan Hamadeh is member of The Edward H. Angle Society of Orthodontists (Southern California component). He received his specialist Degree in Orthodontics from the Chamber of Dentists in North Rhein Westphalia in Munster after a 3-year orthodontic training at the Witten/Herdecke University in 2008. Since then, he is in full time practice of Orthodontics in Hennef in Germany.

In addition, he completed the McLaughlin two-year postgraduate program in San Diego in the United States and is since then a co-lecturer in the same program.

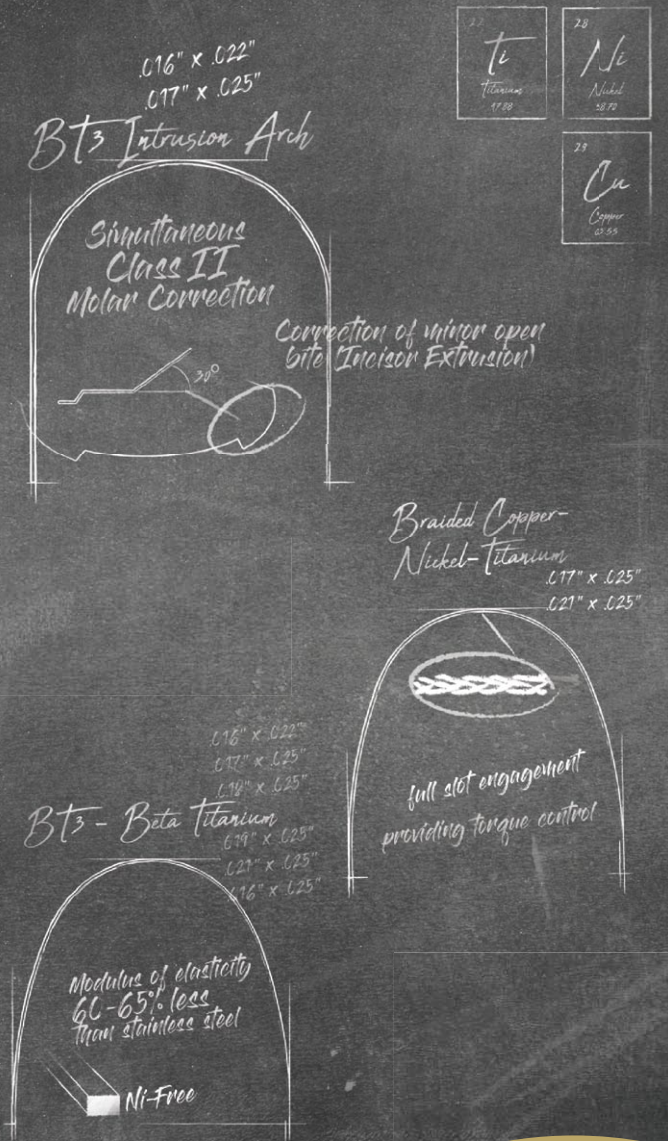
Sinan is currently on the master's program of lingual Orthodontics at the University of Basel (Master of Advanced Studies in Lingual Orthodontics, MASLO) and lectures worldwide on treatment mechanics and Lingual Orthodontics.

✉ E-mail: sinan.hamadeh@gmail.com

Meet you 20:00
at the hot Get-together-Party
at the »Kotkovna Celnice« **NEW!**

Nanda Archwires

Science does matter!



18th INTERNATIONAL
ORTHODONTIC
SYMPOSIUM

IOS
PRAGUE

SATURDAY, DECEMBER 1st 09:00 – 9:30



Prof. Dr. Myroslava Drohomyretska Kiev / Ukraine

Dental Body Synergy (DBS) – The concept of diagnostic and treatment of craniomandibular disorders

Dental Body Synergy (DBS) means strong correlation between postural muscular balance and stomatognathic functional system of the human body. Authentic prevailing in symptoms of musculoskeletal disorders in patients with skeletal forms of malocclusions have been found. Postural disturbance is almost always related to morphologic changes of occlusion. Reverse correlation detects influence of present occlusal pathology on functional status of musculoskeletal system. This was the reason for the creation of the concept of diagnosis and treatment of craniomandibular disorders, which made it possible to talk about an occlusive medicine. So interdisciplinary approach of specialists is required and simultaneous treatment.

Body balance and functional postural condition of the head should be considered during planning and treatment of patients with occlusal and TMJ pathologies. Prosthetic reconstructions accomplished according to optimal occlusal parameters but regardless posturometric parameters can lead to development of significant functional, morphological and aesthetic disorders in human body.

CURRICULUM VITAE

- Chief orthodontist of the Ministry of Healthcare in Ukraine and Chief of the Orthodontic Department of P.L.Shupik National Medical Academy of post-graduate education
- President of Association of Ukrainian Orthodontists and of the Academy of Continuous Education of Orthodontists
- Editor of "World of Orthodontics" Magazine
- Member of European Orthodontic Society (EOS) and World Federation of Orthodontists (WFO)
- Holder of diploma "For valuable contribution into development of medical sphere of Ukraine and improvement of health condition of Ukrainian population"
- Rewarded with the Orders of Princess Olga I, II and III degrees
- Holder of title "Woman of Third Millennium"

✉ E-mail: dr.myroslava@gmail.com

The Vltava / Moldau river Prague (Photo: Ortwin Bato)



THURSDAY, NOVEMBER 29th EAO-ACADEMY

- 08:30 Registration
- 09:00 **Dr. Chris Chang** Hsinchu City / Taiwan
Open bite correction
- 10:45 Coffee break (30 minutes)
- 11:15 **Impaction treatment with TADs**
- 12:45 Lunch (60 minutes)
- 13:15 **Hot tips for enhancing efficiency**
- 15:15 Coffee break (30 minutes)
- 15:45 **Digital orthodontics**
- 17:00 Summary (15 minutes)

FRIDAY, NOVEMBER 30th SYMPOSIUM

- 08:30 Registration
- 09:00 Welcome · **Prof. Dr. Dr. Ralf J. Radlanski / Dr. Jan V. Raiman**
- 09:15 **Tiziano-Baccetti-Memorial-Lecture**
Dr. Chris Chang Hsinchu City / Taiwan
Asymmetry
- 10:45 Coffee break (30 minutes)
- 11:15 **Prof. Dr. Michael Wolf** Aachen / Germany
Permanent retention – recent consideration & innovative technologies
- 12:00 **Prof. Dr. Sebastian Paris** Berlin / Germany
Dental Caries – Facts and Fiction
- 12:45 Lunch (60 minutes)
- 13:45 **Dr. Amr Asker** Mansoura / Egypt
Orthodontic role in multidisciplinary dentistry
- 14:30 **Prof. Dr. Dirk Nolte** Munich / Germany
Eruption Disturbances: Treatment Implications from a Surgical View
- 15:15 Coffee break (30 minutes)
- 15:45 **Dr. Sinan Hamadeh** Hennef / Germany
To extract or not to extract
- 16:45 Summary (15 minutes)

20:00 **Get-together-Party**
In the Historic Bohemian beer pub »Kolkovna Celnice«

IOS SATURDAY, DECEMBER 1st SYMPOSIUM

- 09:00 **Prof. Dr. Myroslava Drohomyska**
Kiev / Ukraine
Dental Body Synergy (DBS) – The concept of diagnostic and treatment of craniomandibular disorders
- 09:30 **Dr. Veronika Ganchuk** Kiev / Ukraine
Comparison of positioning accuracy of brackets by the method of direct bonding and digital indirect bonding
- 09:45 **Dr. Dr. Wolfgang Kater** Bad Homburg / Germany
Early Surgery – Orthognathic Surgery before the end of Skeletal Growth
- 10:30 Coffee break (30 minutes)
- 11:00 **Dr. Mauricio González Balut** Mexico City / Mexico
Orthodontic treatment for compromised patients with periodontal problems
- 12:30 Lunch (60 minutes)
- 13:30 **Prof. Dr. Aladin Sabbagh** Erlagen / Germany
Trouble shooting in the modern orthodontic
- 15:00 Coffee break (30 minutes)
- 15:30 **Dipl.-Ing. Mag. Christan Url** Vienna / Austria
From simulation to appliance: Software and 3D-printing for in-house aligner creation
- 17:00 Summary (15 minutes)

Meet the international experts at the cutting edge of orthodontics

Prof. Asbjørn Hasund at IOS Prague

Congress Impressions

«Easy Align»

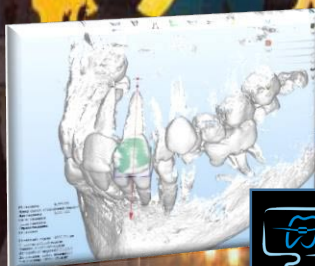
16-th anniversary

«Easy Align» - only the result is visible!



Indirect Digital Bonding System

«Easy Brace»



✓ **Accuracy** ✓ **Speed** ✓ **Comfortable**

SATURDAY, DECEMBER 1st 09:30 – 09:45



Dr. Veronika Ganchuk
Kiev / Ukraine

**Comparison of positioning
accuracy of brackets by the
method of direct bonding
and digital indirect bonding**

Aim of the study was to prove the accuracy of bracket fixation by the method of indirect digital bonding by using the software "OrthoSystem". Twenty cases were compared by determining the deviation of the actual axis of the tooth from a certain classical method.

In all cases with direct fixation, errors were made in determining the axes.

The method of indirect bonding seemed to be more accurate than the classical one.

CURRICULUM VITAE

Orthodontist in "Kravchenko Medical Center". Member of the European Aligners Society, member of the European Union of Young Orthodontists EPSO, member of the AOU-young section, member of the European Association of Orthodontists, member of the EuroAsian Association of Orthodontists, official representative of the Congress of IOS Prague in Ukraine, leading columnist of the journal "Modern Orthodontics", lecturer of the master-class on "Easy Align" system, lecturer of the master-class "AudaxCeph - program for cephalometric analysis", lecturer of master-classes on the use of digital technologies in orthodontics, Speaker at the Congress of the Eurasian Association of Orthodontists on the topic "Digital Bonding".

✉ E-mail: nika@promed.ua

Impressions of Prague



The entire world of Aligner therapy

Subscribe
now!



JOURNAL OF ALIGNER ORTHODONTICS

Editor-in-Chief: Dr. med. dent. Werner Schupp
4 issues per year €98
Student rate €58

JOURNAL
OF ALIGNER ORTHODONTICS

Official publication of:
The European Aligner Society EAS
The Nordic Society for Aligner Orthodontics SIOPA
The German Association for Aligner Orthodontics DGAO
The Japan Academy of Aligner Orthodontics JAAO
The Moroccan Society for Aligner Orthodontics SMOA
The Swiss Society for Aligner Orthodontics SSAO
The Taiwan Association of Aligner Orthodontics TAAO

Editor-in-Chief
Werner Schupp

QUINTESSENCE PUBLISHING



The Journal of Aligner Orthodontics publishes clinically relevant articles in the field of Aligner Orthodontics. The journal is peer reviewed and claims to be the reference journal for Aligner Orthodontics, showing the whole potential of the field. The journal aims to provide in-depth knowledge to orthodontists and people interested in orthodontics, from beginners to the most advanced practitioners. Articles deal with basic procedures, case reports about special situations, multidisciplinary treatment including aligner procedures, and original studies (clinical studies, studies on materials and devices, literature reviews). Auxiliary procedures such as scanning and 3D printing are also covered. In addition, the journal contains editorials, expert discussions, tips and tricks, learning from mistakes, summaries of publications from other journals, book reviews, and news from the industry.

Your benefits as a subscriber:

- Access to peer-reviewed, clinically relevant articles providing in-depth knowledge
- Free delivery four times a year
- Free online access to ALL issues with research options:
jao.quintessenz.de



- Free access to the Quintessence Journals App:



SATURDAY, DECEMBER 1st 09:45 – 10:30



Dr. Dr. Wolfgang Kater

Bad Homburg / Germany

Early Surgery – Orthognathic Surgery before the end of Skeletal Growth

In orthognathic surgery, it has been a paradigm to correct malpositions of the jaw(s) when the skeletal growth has finished – starting at the age of 16 for female patients and at the age of 18 for male patients. 20 years ago we started to operate on adolescent patients, who suffered from facial malformations with severe functional disorders or psycho-social impairments caused by aesthetic stigmata. Encouraged by an amazing healing acceleration in growing patients we changed our philosophy, completely – due to Carl Gugino's recommendation: "The earlier the treatment begins, the more the face aligns with our standards. The later the treatment begins, the more the standards have to align with the face."

In a follow-up study of more than 5000 orthognathic operations (mono- and bimaxillary) in our clinic, 13% of patients had not yet finished skeletal growth. In our experience, the hazard of relapse – that is, the necessity of further surgical intervention – is far lower than expected. On the contrary, the functional, aesthetic and psycho-social benefits justify "Early Surgery" not only in severe cases.

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/Main), 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.

✉ E-mail: Kater@t-online.de

The Charles Bridge Prague (Photo: Ortwin Bato)



SATURDAY, DECEMBER 1st 11:00 – 12:30



Dr. Mauricio González Balut
Mexico City / Mexico

**Orthodontic treatment
for compromised patients
with periodontal problems**

Compromised periodontal patients that require orthodontic treatment are one of the most challenging to treat due to the limited dental movements that can be accomplished as well as the severe bone loss. Not long time ago there was the misunderstanding that patients with periodontal disease will be more damaged by the orthodontic treatment than benefited from it.

Now a days evidence based studies have demonstrated that the prognosis and treatment success for this kind of patients will be more stable and with much better post-treatment control.

CURRICULUM VITAE

Dr. Balut became Doctor in Dental Surgery at the Intercontinental University, Mexico City 1990–1994, Master of Science in Orthodontics at Loma Linda University 1996–1998 and passed the Facial and Reconstruction Course: "Orthodontics and Orthognathic Surgery, Concepts in Excellence" with Dr. William Arnett, Santa Barbara California 1997. He is a Member of the International College of Dentists (2007), Fellow Member of the American College of Dentists (2015) of the International Academy for Dental and Facial Aesthetics and Board Certified by the Mexican Board of Orthodontists, Secretary of Public Education, Dirección General de Profesione in March 2009.

Dr. Balut is the creator and Developer of the "Pro-Torque" and ABP, "Aesthetic Borderline Prescription" brackets manufactured by American Orthodontics and of the Orthodontic Mini-Implant, Temporary Anchorage Device, OMG from Zircon Prior Implants of Ukraine.

He is editor and revisor of several national and international journals and publications and member of more than ten orthodontic Associations. He is a well known national and international Speaker and Invited Professor.

Dr. Balut was President of the Mexican Association of Orthodontics for the period 2015–2017, President of the Mexico City Association of Orthodontists and Dento Facial Orthopaedics, 2013–2015, Member of the Advisory Board of the Mexican Board of Orthodontists 2009. And he was Chairman of the Scientific Committee of the Mexican Association of Orthodontics 2000–2008.

✉ E-mail: mgbalut@hotmail.com



**Best Prices at
Ortho Rebels Online Shop!**

Atua Mini
Bracket



Stainless Steel
and NiTi
Wires from

9,- €
Set of 20

2,65 €
Set of 10

ProMim
SL Bracket



Copper NiTi
Wires from

89,- €
Set of 20

12,50 €
Set of 10

All Prices exclusive VAT.

www.ortho-rebels.de



Impressions of Prague

18th IOS-Symposium 2018

PRAGUE - PRANA 1

25

SATURDAY, DECEMBER 1st 13:30 – 15:00**Prof. Dr. Aladin Sabbagh**

Erlangen / Germany

**Trouble shooting in the
modern orthodontic**

A lot of progress has been achieved recently in the modern orthodontics which can help to improve and simplify the treatment especially in complicated cases, such as solving anchorage problems with the application of TADs and SUS², solution's for noncompliance patients, overcoming of treatment-obstacles in aesthetic aspects with the help of various aligners and lingual systems, avoiding of surgery in adult cases, and management of multiple aplasia, premature molars-loss and teeth Retention /ankyloses, as well as recommendations to avoid / minimize root resorption and relapse.

This lecture is to demonstrate new and approved methods of modern orthodontics and to show its possibilities and limits. Special focus is put on the teamwork of different disciplines like parodontology, prosthetic, and dysgnathic surgery and on the consideration of the TMJ.

CURRICULUM VITAE

- 1989 Postgraduate certificate in "oral surgery", Dept. of Oral and Maxillofacial Surgery/Syr.
- 1993 Postgraduate education in "orthodontics", University of Kiel / Nuremberg / Munich.
- 1993 Establishment of orthodontic practice, Erlangen (Germany).
- 1996 EU/USA patent for the "SUS² / Sabbagh Universal Spring"
- 2002 EU/USA patent for the "Aqua Splint®"
- 2005 Chairman of the German association of orthodontic in M. Franconia / Bavaria.
- 2016 Establishment of the second orthodontic practice in Nuremberg / Germany.

Honor Professor, and various awards for international outstanding merits. Member of the editorial board of Quintessenz publishing, and the scientific board of IOS & AEO in Prague. Lecturer at the European academy of dental education in Nuremberg, and several national & international universities. Consultant and referent for Dentaforum, 3M Unitek, & Teledenta. Authorized medical court expert (court of Nuremberg / Fuerth). Referee of the National Association of Statutory dental health Insurance. Top orthodontist award (Focus Magazine, Germany 2012–2017).

Since 1991 various publications, 750+ seminars and lectures worldwide about: Temporomandibular disorders (TMD), the "AquaSplint-Concept", Noncompliance orthodontic, SUS², Herbst appliance, & TADs, Adult orthodontics / trouble shooting.

✉ E-mail: info@sabbagh64.com

In-Ovation® X

Selbstligierende Brackets von GAC

Höhere Standards, Mehr Möglichkeiten

- Integrierter Clipkanal reduziert Zahnsteinablagerungen
- Einfaches Öffnen ohne spezielles Instrument
- Insgesamt niedrigeres Profil
- Reduzierte Krümmung verbessert die Clipstabilität und sichert die Bogenführung

www.inovationx.com

Deutschland | +49 (0)89 540 269 – 0
Österreich | +43 (0)1 600 49 30 – 303
Schweiz | +49 (0) 89 540 269 – 303

 **Dentsply
Sirona**
Orthodontics

SATURDAY, DECEMBER 1st 15:30 – 17:00

DIGITAL LABORATORY

VIRTUAL SET-UP

VIRTUAL APPLIANCE DESIGN

ONYXCEPH³™ SOFTWARE-SUPPORT

SOFTWARE COURSES

**OnyxCeph³™
courses
in Vienna
2019**



Dipl.-Ing. Mag. Christan Url
Vienna / Austria

**From simulation to appliance:
Software and 3D-printing for
in-house aligner creation**

The orthodontic workflow from diagnostic analysis to end of treatment and even retention phase has received more and more digital support in the last years through 3D imaging, 3D surface scanning and respective software solutions. More recently 3D printing has opened new possibilities towards creation of therapeutic appliances based on virtual 3D treatment planning.

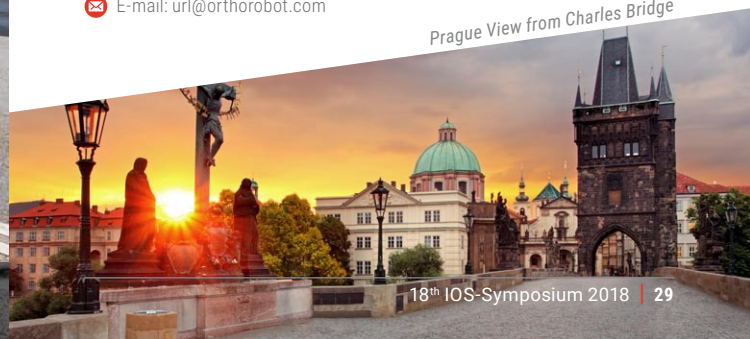
In this presentation we will explore new ways of planning and manufacturing multi-step aligner treatments with dedicated software and 3D printing solutions in-office without the need of external service providers. The modest investment needed to get started in this technology makes it attractive to any orthodontic practice or laboratory.

CURRICULUM VITAE

- ▶ Study of Computer Science (University of Vienna)
- ▶ Study of Software Engineering (Vienna University of Technology)
- ▶ Since 1999 working in the field of medical technology with specialization in robot technology and 3D virtualization in orthodontics
- ▶ Development engineer at specialized orthodontic laboratory for robot based, indirect bracket positioning and wire bending based on virtual 3D treatment planning (production process of Orthorobot Medical Technology laboratory, Vienna)
- ▶ Over 15 years of experience in using and teaching the software OnyxCeph³, numerous international articles and presentations on the software
- ▶ Since 2014 lecturer at the School of Dental Science - Trinity College Dublin, Ireland

 E-mail: url@orthorobot.com

Prague View from Charles Bridge





EURASIAN ASSOCIATION OF ORTHODONTISTS



“ We shall unite colleagues in EurAsia without any geopolitical or cultural borders, sharing the knowledge and experience, and supporting each other in respect and appreciation. ”

BOARD OF FOUNDING MEMBERS

BECOME A MEMBER



Free
membership

COUNTRY REPRESENTATIVES

IOS
PRAGUE

- ARMENIA** Yerevan
Dr. Hayk Sargsyan
hayk.sarkisyan@yahoo.com
- AUSTRALIA** Claremont
Dr. Sivabalan Vasudavan
drshivabalan@icloud.com
- AUSTRIA** Vienna
DDr. Silvia M. Silli silvia@silli.com
- BELGIUM** Eupen
Dr. Lothar Schoonbroodt
info@kfo-schoonbroodt.de
- CHINA** Beijing
Prof. Dr. Dongliang Zhang
zhangdongliang@hotmail.com
- CZECHIA** Prague
MUDr. René Foltán, PhD., FEBOMFS foltan@i-dent.cz
MUDr. Olga Kolesova
olga.kolesova@seznam.cz
- EGYPT** Mansoura
Dr. Amr Asker
amrasker@hotmail.com
- FINLAND** Helsinki
Liisa Autio liisa.autio@kolumbus.fi
- GEORGIA** Tbilisi
Dr. Lali Kochlashvili DDS
kochlashvili@yahoo.com
Prof. Dr. Tina Mikadze Ph.D.
tina.mikadze@yahoo.com
- GERMANY** Erlangen
Prof. Dr. Aladin Sabbagh
info@sabbagh64.com
- GREECE** Samos
Emmanouil Mavrikis
emavrikis@gmail.com
Thessaloniki
Prof. Dr. Moschos A. Papadopoulos
mikepap@dent.auth.gr
- HUNGARY** Budapest
Dr. Dr. Peter Borbély
kurzus@fogszabalyozo.hu
- IRAQ** Erbil
Dr. Brwa Mahdi Khoshnaw
dr.brwa@yahoo.com
- ISRAEL** Jerusalem
Prof. Dr. Nezar Watted
nezar.watted@gmx.net
- INDIA** Noida
Prof. Dr. Anmol Kalha
anmolkalha@hotmail.com
- ITALY** Naples
Paolo Manzo DDS, MSc Orthod., Ph.D paolo.manzo@gmail.com
- KAZAKHSTAN** Almaty
Dr. Nurislam Negametzyanov
denta73@mail.ru
- KOSOVO** Prishtinë
Dr. Jeta Kiseri-Kubati
jeta@kubati.net
- KYRGYZSTAN** Bishkek
Dr. Ilshat Yuldashev
dentalkg@gmail.com
- MEXICO** Mexcio City
Dr. Mauricio González Balut, D.D.S., M.S.
mgbalut@hotmail.com
- NETHERLANDS** Almere
Dr. Matin Salehi
info@doctormatin.com
- NORWAY** Bergen
Dr. Dorina Sula Thelen
dorina.sula.thelen@hfk.no
- POLAND** Szczecin
Dr. Izabella Doniec-Zawidzka
izabella@fabrykausmiechu.com
- QATAR** Doha
Prof. em. Dr. Rainer-Reginald Miethke rainer-r.miethke@charite.de
Eng. Samer Shamsi Basha
samer@sharq.qa
- ROMANIA** Bucharest
Dr. Lidia Boboc
orthodonticsmile@yahoo.com
Timisoara
Dr. Madalina Salehi
office@doctormatin.com
- RUSSIA** Moscow
MUDr. Olga Kolesova
olga.kolesova@seznam.cz
Prof. Dr. Olga Arsenina
arsenina@mail.ru
- SWEDEN** Stockholm
Dr. Johan Karsten
johan.karsten@swipnet.se
- SWITZERLAND** Allschwil
Dr. Susanne Codoni
susanne.codoni@scodoni.ch
- UKRAINE** Kiev
Oleg Suzdal'tsev oleg@promed.ua
Dr. Veronika Ganchuk
nika@promed.ua
- UNITED KINGDOM** London
Dr. Amir Moradi
amir_moradi@hotmail.com
- UNITED ARAB EMIRATES** Dubai
Prof. Dr. Ramesh Sabhlok
sabhlok@emirates.net.ae
- USA** OH, Cleveland
Prof. Dr. D.M.D., M.S.D. Sebastian Baumgärtel
Dr.B@us-ortho.com

GET-TOGETHER-PARTY

FRIDAY, NOVEMBER 30th, 20:00

**Historic Bohemian beer pub
»Kolkovna Celnice«**
V Celnici 1031, Prague 1



NEW!

Metro: Line B (yellow) • Station Náměstí Republiky

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.



After the conference at 20:00
in the »Kolkovna Celnice«



*Be happy
with Bohemian
Cuisine and Music!*

www.svejkmusic.wz.cz
www.kolkovna.cz

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!

SYMPOSIUM VENUE

Kaiserstejnský Palác
Malostranské náměstí 37, Prague 1

Metro: Line A (green) • Station Malostranska (7min or Tram)

Tram: No. 12, 22, 23 • Station Malostranské náměstí

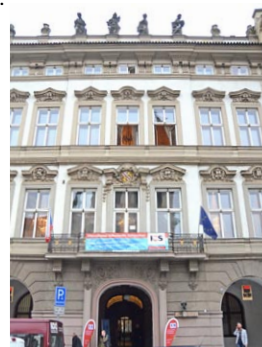


The »18th International Orthodontic Symposium 2018« will take place in the Kaiserstein palace. The address of the palace is Malostranské náměstí 37, Prague 1.

**An ideal place for
meetings from the
times of High Baroque**

For more than three centuries, we have had many satisfied and famous guests. The Kaiserstein palace received 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. In 1866, Václav Petzold, a hotel-owner, bought the palace and opened an exclusive restaurant. For the next hundred years it was called »U Petzoldů«. The famous opera singer Emmy Destinn, a partner of Enrico Caruso, rented an apartment there (1904-1908).

In 1981 the palace has been registered as a UNESCO heritage site. In 1997 restitution procedures were completed and the palace was returned to its original owners.



www.kaiserstejnsky-palac.cz

We recommend the following **Apps** for more information about Prague:



Congress Impressions

18th INTERNATIONAL ORTHODONTIC SYMPOSIUM

IOS
P R A G U E



EAO & IOS PRESIDENT

Prof. Dr. Dr. Ralf J. Radlanski
Berlin / Germany

✉ E-mail: ralfj.radlanski@charite.de



HONORARY PRESIDENT

Prof. Dr. Rainer-Reginald Miethke
Berlin / Germany

✉ E-mail: rainer-r.miethke@charite.de



EAO VICE PRESIDENT IOS MEDIATING

Dr. Jan V. Raiman
Hanover / Germany

✉ E-mail: org@raiman.de

ORGANISER

EAO / IOS Hannover · Sutelstr. 2 · 30659 Hannover · GERMANY
tel +49 (0)511 53316 9-3 · fax +49 (0)511 53316 9-5

www.ios-prague.com info@ios-prague.com

[fb.com/IOSPrague](https://www.facebook.com/IOSPrague) [instagram.com/IOS.Prague](https://www.instagram.com/IOS.Prague)

OUR EVENT EMERGENCY SERVICE FOR YOU

You've got lost in Prague? You have an urgent question?



Whatever else, call: **+420 777 606 457**

We will
help you!



Ulrich
Reckziegel



Heiko
Sommer



Marko
Krentz



Salma
Ost

CONFERENCE REGISTRATION

IOS
P R A G U E

REGISTER NOW! fax +49 (0)511 533169-5

Or online **www.ios-prague.com** · info@ios-prague.com

THURSDAY, 29th NOVEMBER, 2018

6th EAO-Academy with Dr. Chris Chang

Education points: 0,6 CEU / 8 points in accordance with the DGZMK

A

EAO-Member*: 355,- € plus VAT

Non EAO-Member: 395,- € plus VAT

Postgraduate**: 235,- € plus VAT

The fee includes lunch and coffee breaks.

FRIDAY, 30th NOV. – SATURDAY, DECEMBER 1st 2018

18th International Orthodontic Symposium

Education points: 1,2 CEU / 12 points in accordance with the DGZMK

B

EAO-Member*: 465,- € plus VAT

Non EAO-Member: 525,- € plus VAT

Postgraduate**: 325,- € plus VAT

The fee includes lunch, coffee breaks and Get-together-Party
with traditional bohemian cuisine, czech beer and music.

accompanying persons for the **Get-together-Party**:
35,- € plus VAT / Person

All prices plus 21 % value added tax (VAT).

* Become a EAO-Member: www.eaomembers.org

** In order to benefit from the special fee, a submission of your status
confirmation (approval letter signed by the Head of Department or copy
of status ID) must be sent after Online registration.



Conference language is English.

Simultaneous translation into Russian.

Title
Name, Surname

Practice name /
Company

Street and no.

ZIP and City

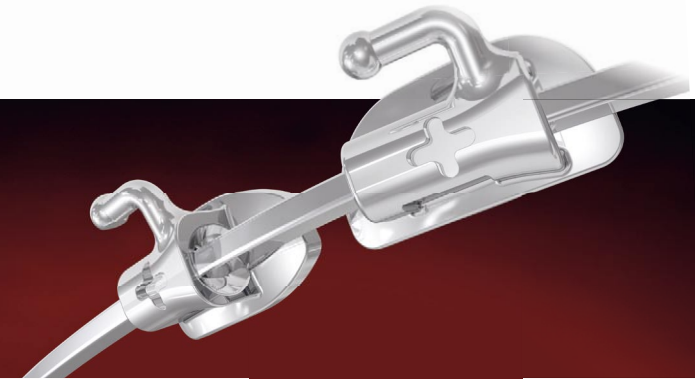
Country

Phone

E-mail

X

Date, Signature



The advantage is in the detail.



- Genuine one-piece buccal tube for high biocompatibility.
- 3D base with laser-structured pad for perfect fit and excellent retention, incl. laser marking + (upper jaw) / - (lower jaw).
- Pliable ball-end hook for versatility and customization of treatment.
- Single or double rectangular, convertible or non-convertible, for the bonding or for the banding technique.
- New: Triple combination, convertible, for the banding technique.