

3M Unitek
Partners in Orthodontic Education



The Ultimate Challenge in Orthodontics

4 - 5 July 2014
Cophorne Hotel
Hotels at Chelsea FC
London, England

3M Unitek

Aesthetics

The Ultimate Challenge in Orthodontics

The basis of the practice of orthodontics has changed as a result of the recognition that the facial soft tissues are the primary focus of orthodontic treatment. As a result focus on soft tissue analysis and dynamic capturing of the face has become pertinent in meeting patient's expectations and in treatment planning.

3D technologies and digital solutions provide new tools to meet these demands together with improved aesthetic appliances and techniques. Better understanding of the biological responses to orthodontic procedures and documentation of empirical data also helps us to meet patient expectations.

This course will review ways of enhancing the aesthetics of the face and creating the ultimate smile based on lectures by experienced orthodontists and scientists, combined with a multidisciplinary approach.

Welcome to Chelsea, London in July 4-5, 2014 and the opportunity for us to share new clinical and technical information.



Speakers



Dr. Marco Rosa, M.D., D.D.S., D. Orthod.

- Graduated as a Medical Doctor (1981).
- Postgraduate studies in Dentistry.
- Postgraduate studies in Orthodontics.
- President and Active Member of the Angle Society of Europe.
- European Board of Orthodontics Member.
- Italian Board of Orthodontics Member.
- Private practice, limited to Orthodontics, in Trento, Northern Italy.
- Teacher at Insubria University in Varese, Italy.
- His primary areas of interest are "Early Treatment: why and how to correct malocclusion without touching permanent teeth", "Missing Upper Lateral Incisors" and "Interdisciplinary Treatment".
- He is published and regularly lectures internationally about these topics.



Dr. Dan Grauer, D.D.S., Ph.D.

- Assistant Professor at the University of Southern California.
- Adjunct Professor at the University of North Carolina.
- Examiner for the American Board of Orthodontics.
- Associate Editor for the American Journal of Orthodontics and Dentofacial Orthopaedics.
- Private practice in Century City and Beverly Hills area in Los Angeles.
- Trained in Dentistry and Orthodontics both in Europe and in the U.S.
- Ph.D. degree in Oral Biology at the University of North Carolina.
- His research interests are applications of CBCT in Orthodontics and Orthognathic Surgery, outcomes assessment in lingual orthodontics and interdisciplinary treatment planning.



Dr. Renato Cocconi, M.D., M.S.

- Postgraduate Programme in Orthodontics at the Department of Orthodontics of the University of Milan where he obtained his Master Degree in 1993.
- He spent 2.5 years in the United States where he worked in L. F. Andrews' office in San Diego and attended the 2 years Roth Williams postgraduate course in Burlingame (CA) in 1991-1993.
- He has cooperated with Terry Tanaka at the USC facial pain.
- He has been clinical professor at the Department of Orthodontics of the University of Milan from 1993 to 2008.
- Responsible of the Roth Williams group in Italy and he has lectured to the main European and American Orthodontic Societies.
- Member of the EOS, AAO, SIDO and active member of the Angle Society of Europe.
- Private practice in Parma where he directs, with Prof. Raffaini, the "FACE Ortho Surgical Center".



Dr. Simon Littlewood, B.D.S., FDS (Orth), RCPS, M. Orth. RCS, M.D. Sc., FDSRCS

- Specialist in Orthodontics.
- Fellowship in Dental Surgery ad eundem (Royal College of Surgeons of England, 2000).
- Intercollegiate Specialty Fellowship in Orthodontics (2000).
- Membership in Orthodontics (Royal College of Surgeons of Edinburgh, 1998).
- Master of Dental Science (University of Leeds, 1998).
- Fellowship in Dental Surgery (Royal College of Physicians and Surgeons of Glasgow, 1995).
- Bachelor of Dental Surgery (University of Newcastle of Tyne, 1991).
- Consultant at St Luke's Hospital Bradford and the Leeds Dental Institute.
- Program Director of the University of Leeds Postgraduate program.
- Course Director of the UK's first Orthodontic Therapist Course and Chairman of the British Orthodontic Conference 2013-14.
- Member of the organising committee for the WFO Conference in London 2015.
- Member of: British Orthodontic Society, British Dental Association, World Federation of Orthodontists.
- Dr. Simon Littlewood's research interests are randomised controlled clinical trials and systematic reviews.
- Supervisor of postgraduate research MSc projects.
- Lead author on a Cochrane review into orthodontic retention.



Dr. José Chaqués Asensi, M.D., D.D.S., Ph.D.

- Degree in Medicine (M.D.), University of Seville.
- Post-Graduate Degree in Stomatology (D.D.S.), University of Seville.
- Post-Graduate Degree and Master Degree in Orthodontics, Case Western Reserve University Cleveland (Ohio, USA).
- Ph.D. in Oral Sciences, University of Seville.
- Active Member of the Angle Society of Europe.
- European Board of Orthodontics Member.
- Spanish Board of Orthodontics Member.
- Associate Professor, University of Seville from 1995 to 2010.
- Active Member of the Spanish Society of Specialized Orthodontists (A.E.S.O.R.).
- AAO Active Member.
- "Moriyón" Award received by the Spanish Orthodontics Society.
- Member of the examining commission of E.B.O.
- Awarded by the European Federation of Orthodontics for the best clinical paper in 2011.



Dr. Dalia Latkauskiene, D.D.S.

- Graduate Degree at Kaunas University of Medicine (1999).
- Residency at Kaunas University of Medicine, Department of Orthodontics (2002).
- Since 2004 she is running a Ph.D. thesis ("Functional Herbst Appliance. Effects Treating Growing and Non-growing Individuals").
- Member of Lithuanian Orthodontic Society since 2002.
- Since 2006 she is actively working on orthodontic seminars for postgraduates.
- Private practice since 2002.
- Dr. Dalia Latkauskiene devotes most of her professional interest to Functional, Orthodontic Orthognathic treatment, and temporary anchorage devices in Orthodontics.



Dr. Simonas Grybauskas, D.D.S., M.D., Ph.D., MOS, RCSEd

- Graduate Degree at the Kaunas University of Medicine (2000).
- Training in oral surgery (2003) and maxillofacial surgery (2006) in Vilnius University.
- Ph.D. degree, Riga Stradins University (2009).
- Consultant in Oral and Maxillofacial Surgery at Vilnius University and Vilnius Implantology Center.
- Member of Lithuanian Association of Maxillofacial Surgery since 2002.
- Member of the Baltic Association of Maxillofacial and Plastic Surgery since 2003.
- Member of the European Association for Cranio-Maxillofacial Surgery since 2005.
- Acknowledgement as Member of Royal College of Surgeons of Edinburgh in 2005.
- During the last 5 years he has delivered 80 lectures in international conferences and meetings.
- Co-author of the first Lithuanian book of Oral and Maxillofacial Surgery. At present he devotes most of his interest to Orthognathic and Reconstructive Surgery, Maxillofacial Traumatology and Implantology.

Lectures Synopses

Priorities and guidelines for effective interdisciplinary treatment in the aesthetic zone

Part 1: healthy periodontium

Part 2: periodontal breakdown

Dr. Marco Rosa

Even if the introduction of the implants decreased the popularity of the orthodontic space-closure, a natural root could be, still today, a better alternative in the smile-area.

The lecture will show and discuss the crucial aspects of the orthodontic, periodontal and restorative interdisciplinary treatment in growing and adult patients with missing teeth in the aesthetic zone, with and without periodontal breakdown. Discussion of treatment priorities for the ideal final restorations, function and an overall well-balanced smile, as well as predictable long-term stability.

The role of orthodontics will be specifically focused, as a fundamental part of the overall treatment, from treatment plan to the possibility of providing some extra benefit:

1. Orthodontics is an excellent way to remodel and “regenerate” new alveolar bone and soft tissue in both cases with healthy periodontal conditions and in patients with extensive loss of periodontal support.
2. Orthodontics could be an alternative (or a support) to the surgical regenerative procedures (GTR - GBR).

The main points discussed are:

- Age-oriented diagnosis and treatment planning.
- Maxillary missing incisors: rationale, clinical guidelines and indications for optimal space closure.
- Interdisciplinary management of the roots with minimal periodontal support.
- Long term stability

Teaching Objectives

1. Outline the rationale and priorities for optimal “patient-oriented treatment plan”.
2. Describe the clinical details and correct timing for ortho, perio and restorative procedures.
3. Illustrate how to combine orthodontic, periodontal and restorative procedures in order to manage soft and hard tissues in case of severe periodontal breakdown.

New diagnostic and treatment planning tools to enhance aesthetic outcomes

Dr. Dan Grauer

With the increasing demand for orthodontic treatment among adult patients, new aesthetic approaches are gaining popularity. Treatment accuracy is enhanced by the use of customized appliances and treatment times are getting shorter without compromising the occlusal outcome. In this presentation a review of accuracy and appearance of orthodontic appliances will be reviewed. Objectives Part I.

- Learn the latest technological applications to enhance orthodontic diagnosis and treatment accuracy.
- Learn the reasons behind aesthetic appliance selection.
- Evaluate the accuracy / precision of customized lingual orthodontic appliances.

Periodontal and Prosthodontic challenges in Orthodontic patients

Dr. Dan Grauer

When a patient complains about smile appearance, is it because of the position of the teeth and gingiva? Or maybe it is the position of the lip? Correction of incisal exposure problems requires an interdisciplinary approach; this includes precise diagnosis, management, sequence, timing and communication among all members of the team and the patient. Vertical positioning of the upper incisor is paramount to achieving optimal aesthetic.

Macro, mini and micro-aesthetic concepts should be incorporated into your routine systems in the office:

- Classification and diagnosis of excessive and deficient incisor display
- Sequence and timing of orthodontic and periodontic and prosthodontic interventions
- Recommendations and guidelines for optimal aesthetics.



Retention: an International Perspective, Evidence and Solutions

Dr. Simon Littlewood

Retention is arguably the most important and most controversial subject in orthodontics. The speaker will give an international perspective on this key topic, looking at best practice worldwide as well as discussing an evidence-based approach to provide us with solutions for reducing relapse in our patients. This lecture promises to be an entertaining journey that will provide delegates with a contemporary approach to reducing relapse through appropriate treatment planning, mechanics, retainers and adjunctive techniques.

The Face: a Goldmine for the Future of Orthodontics

Dr. Renato Cocconi

Orthodontics faces many challenges to match the needs of today's patients. This requires a reset: new perspectives, new means, new goals. In occlusion driven orthodontics the correction of the occlusion is the main parameter to define the success of a treatment. In face driven orthodontics the overjet correction should be achieved along with a facial improvement or at least avoiding facial decline. This new perspective defines when a patient can be treated with an orthodontic camouflage, with ortho - surgery or with limited treatment. New treatment options, addressing patient's main complaints can be offered in this golden age of orthodontics.

Aesthetic considerations in the development of the smile

Dr. José Chaqués Asensi

The actual conception of orthodontics involves the development of a nice occlusal result in a healthy biological environment, within a beautiful dentofacial complex. Therefore, the aesthetic considerations of the orthodontic outcome have become a major priority in diagnosis and treatment planning. Furthermore, the current aesthetic perspective involves not only the changes in the facial profile but, more importantly, the relationship between the teeth and the soft tissues, namely the gingival contour and the lips. Adequate balance and relationship among these factors is critically important to achieve an excellent clinical result and a beautiful smile. In this presentation, strategies about how to deal with these parameters from the clinical point of view will be presented, some "new concepts" will be analysed and critically evaluated and some recommendations on how to improve our overall dentofacial aesthetics in clinical orthodontics will be proposed.

Segmentation techniques in multidisciplinary approach for enhanced aesthetics

Dr. Dalia Latkauskiene and Dr. Simonas Grybauskas

Combined orthodontic-surgical approach is recognised as the best treatment option for adults with severe dentofacial deformities from both dental and skeletal perspectives. Cooperation between an orthodontist and a surgeon is obviously fundamental to achieve this task. Treatment is organized into five phases: planning, pre-surgical orthodontic setup, orthognathic surgery, post surgical orthodontics and retention. All of these steps are equally important to achieve the long-term success of combined treatment: improved and balanced facial aesthetics together with functional occlusion and well aligned dental arches. Preparation for the surgery is a coordinated process focused on clearly set objectives. The surgeon from the very beginning foresees anticipated changes in the dentoalveolar arches and sets the goals for the overjet, overbite and the shapes of dental arches. The dentition is planned to be set up in a way that it would not hinder the aesthetical repositioning of jaws. The orthodontist analyses the information and comes up with the orthodontic treatment strategy, then tunes it up together with the surgeon. Once the orthodontic treatment objectives are met, the patient is ready for surgery. Pre-surgical orthodontics unties the hands of the surgeon and enables surgical repositioning of jaws into the most aesthetically pleasing position that would otherwise be impossible. Post surgical orthodontics is of utmost importance to finish the case in a stable way. One of the ways to improve final aesthetic outcome and stability is segmentation of skeletal structures. Although most of the literature considers upper jaw segmentation in order to expand it in transversal plane and align the occlusal plane vertically, segmentation of the lower jaw in order to change the anatomy of the mandible is also a possibility to consider. The aim of the presentation is to deliver the orthodontic and surgical protocols for segmentation techniques in both jaws, orthodontic mechanics in three planes will be considered before and after orthognathic surgery, special attention will be paid to how to finalise the case both in surgical and orthodontic aspects and keep the result stable. Clinical cases will be presented in order to illustrate different orthodontic and surgical techniques and treatment outcomes.



Venue

Copthorne Hotel
Hotels at Chelsea FC
Stamford Bridge
Fulham Road
LONDON - SW6 1HS



Agenda

Friday, July 4, 2014 | From 09.00 to 17.15h.

Saturday, July 5, 2014 | From 09.00 to 17.00h.

A full agenda will be given on registration.

Registration

Course Fees: £420pp with an option to attend Evening Networking Event at an additional £60pp (Taxes included)

Register at www.cmmevents.net/3mchelsea

Please note that course fees do not include accommodation.

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