Little smiles deserve
Invisalign First
Welcome to the 95th Congress of the European Orthodontic Society (EOS), which will take place from the 17th to the 22nd of June 2019 in Nice, France.

The scientific programme is divided into four topics: genetics and orthodontics, occlusion - stability and the temporomandibular joint (TMJ), lingual orthodontics and free topics. Genetics is a field of research and progress for the future of orthodontics. Many unanswered questions will find their solutions in genetic research, including the question of growth potential and its prediction. Occlusion, stability and the TMJ are at the heart of our concerns. By giving the necessary time to these subjects and sharing the experience of prestigious keynote speakers, we will enrich ourselves with new data. Lingual orthodontics is a more clinical topic involving digital technology. Mastering these advances will result in immeasurable improvement whatever our practices may be. Free topics will be, as usual, the expression of the creative spirit and the most advanced research in our specialty.

The EOS provides information at the highest scientific level and this is reflected in the quality of the conferences. Not only through the Keynote Speakers, who are at the cutting edge of research, but also by the oral presentations selected rigorously and impartially from a huge number of abstracts. This approach is the key to a success that does not fade from year to year.

The French Riviera is one of the most charming places in the world. Its capital Nice is a city where you can stroll along the "Promenade des Anglais" on the sea front, or wander through the narrow streets of the old city. The open air market will charm you through the beauty of the flowers, the freshness of the vegetables and fish and also the accent of the local merchants. With the blue of Matisse, the flavour of the olive oil, the perfume of Grasse and the relaxing atmosphere you will experience delicious and unforgettable moments.

Welcome to the 95th EOS Congress in Nice

Olivier Sorel
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  - David Véronique (France)
  - Goudot Patrick (France)
  - Hajati Anna Kari (Sweden)
  - Jost-Brinkmann Paul-Georg (Germany)
  - Littlewood Simon J (UK)
  - Majourau-Bouriez Aurélie (France)
  - Rosa Marco (Italy)
  - Scuzzo Giuseppe (Italy)
  - Sugawara Junji (Japan)
  - Wilmes Benedict (Germany)

- Pre-congress Course
  - Sugawara Junji (Japan)
  - Absolute Anchorage in Orthodontics

- Postgraduate course
  - Scuzzo Giuseppe (Italy)
  - Evolution of the lingual straightwire technique

- Congress Organizer

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- European Orthodontic Society, Flat 20 49 Hallam Street, London W1W 6JN, UK
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### PROGRAMME AT A GLANCE

#### MONDAY, JUNE 17TH
- 08:00-18:00: EBO Examination
- 12:00-16:00: EFOSA Council Meeting
- 11:00-18:00: EPSOS Meeting

#### TUESDAY, JUNE 18TH
- 08:00-16:30: EBO Examination
- 08:30-15:15: Postgraduate Course
- 09:00-15:30: Pre Congress Course
- 09:00-15:30: EFOSA General Assembly
- 09:00-10:15: NEBOP Meeting
- 10:30-14:00: 14th European Orthodontic Teachers’ Forum
- 12:00-16:00: EFOSA Council Meeting
- 12:30-13:30: Lunch break
- 12:30-14:00: Lunch break
- 12:40-13:20: Symposia - ALIGN TECHNOLOGY BV
- 12:40-13:20: Symposia - PLANMECA
- 13:30-14:00: GENETICS AND ORTHODONTICS - CLEFT PALATE - Keynote lecture

#### WEDNESDAY, JUNE 19TH
- 09:00-09:45: Houston Oral Presentations
- 09:45-10:30: Sheldon Friel Memorial Lecture
- 10:30-11:00: Coffee break
- 11:00-11:30: GENETICS AND ORTHODONTICS - Keynote lecture
- 11:30-12:30: GENETICS AND ORTHODONTICS - Short Oral Presentations
- 12:30-13:30: Lunch break
- 12:40-13:20: Symposia - ALIGN TECHNOLOGY BV
- 12:40-13:20: Symposia - PLANMECA
- 13:30-14:00: GENETICS AND ORTHODONTICS - CLEFT PALATE - Keynote lecture

#### THURSDAY, JUNE 20TH
- 08:30-09:00: LINGUAL ORTHODONTICS - Keynote Lecture
- 09:00-10:05: LINGUAL ORTHODONTICS - Short Oral Presentations
- 10:05-10:35: LINGUAL ORTHODONTICS - Keynote Lecture
- 10:35-11:05: Coffee break
- 11:05-11:35: FREE TOPICS - Keynote lecture
- 11:35-12:30: FREE TOPICS - Short Oral Presentations
- 12:30-14:00: Lunch break
- 12:30-13:30: EJO Open Session
- 14:00-14:30: OCCLUSION - STABILITY - Keynote Lecture
- 14:30-15:30: OCCLUSION - STABILITY - Short Oral Presentations
- 15:30-16:00: OCCLUSION - STABILITY - Keynote Lecture
- 16:00-16:30: Coffee break
- 16:00-17:30: Poster Session

**Evening: President’s reception (p.33)**

#### Evenings
- **WEDNESDAY, JUNE 19TH**
  - 19:30-21:30 Get Together - Trade Exhibition
- **THURSDAY, JUNE 20TH**
  - 17:15-18:45 Symposia - RMO EUROPE

**Pocket Programme**

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FRIDAY, JUNE 21ST

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Auditorium Apollon

09:00-10:00 OCCLUSION - STABILITY - Short Oral Presentations
Auditorium Apollon

10:00-10:30 Coffee break
Les Muses

10:30-11:00 OCCLUSION - STABILITY - Keynote Lecture
Auditorium Apollon

11:00-11:20 OCCLUSION - STABILITY - Short Oral Presentations
Auditorium Apollon

11:20-11:30 Presentation of the EOS Congress 2020
Auditorium Apollon

11:30-12:00 Award Ceremony
Auditorium Apollon

12:00-13:00 Lunch break
Les Muses

12:10-12:50 Symposia - DW Lingual Systems GmbH
Auditorium Apollon

13:00-13:30 FREE TOPICS - Keynote lecture
Auditorium Apollon

13:30-14:30 FREE TOPICS - Short Oral Presentations
Auditorium Apollon

14:30-15:00 Coffee break
Les Muses

15:00-15:30 FREE TOPICS - Keynote lecture
Auditorium Apollon

15:30-17:00 FREE TOPICS - Short Oral Presentations
Auditorium Apollon

Evening: Gala Dinner Negresco (p.36)

SATURDAY, JUNE 22ND

EOS Golf Tournament
P.37

Congress Outing and Silver Mill Competition
P.38/39
SCIENTIFIC PROGRAMME

MONDAY 17th JUNE - SATURDAY 22nd JUNE 2019

Pocket Programme

12:40-13:20 SYMPOSIUM • PLANMECA - Rhodes 13
- 3D Your Orthodontics & Orthognathics: it’s the right time
  Emadiean Elfarra and Ahmad Alshadwi

GENETICS and ORTHODONTICS - CLEFT PALATE
  Moderators: Stefan Affolter, Jan Huggare, Fraser McDonald

13:30-14:00 KEYNOTE LECTURE - Auditorium Apollon

K02 • CLEFT LIP AND PALATE PATIENTS: HOW TO SIMPLIFY TREATMENT AND TO OPTIMIZE LONG TERM OUTCOMES?
  Aurélie Majoureau-Bouriez. Maxillo-Facial and Plastic Surgery Department, Necker Children University Hospital, Paris France

14:00-15:00 SHORT ORAL PRESENTATIONS - Auditorium Apollon

OP 06 • DENTAL AGENESIS IN COMPLETE UNILATERAL AND BILATERAL CLEFT LIP AND PALATE PATIENTS INSIDE AND OUTSIDE THE DEFECT AREA
  Giovanni Bruno, Alberto De Stefani, Antonio Gracco. University of Padua, Italy

OP 07 • ASSOCIATED CONGENITAL MALFORMATIONS AND SYNDROMES IN PATIENTS WITH CLEFT LIP AND/OR PALATE
  Elisabeth Reichardt1, Björn Theuerkauf2, Charlotte Opitz2, Theodosia Bartzela1. Departments of Orthodontics, Dentofacial Orthopedics and Pedodontics, Charité -Universitätsmedizin Berlin and Private Orthodontic Practices, 1Falkensee and 2Berlin, Germany

OP 08 • GENETIC STRATEGY IN MULTIDISCIPLINARY TREATMENT IN CLEFT LIP AND PALATE
  Maria Chernobrovkina, Alexey Silin. Department of General Dentistry, North-Western State Medical University n.a. I.I. Mechnikov, Saint-Petersburg, Russia

OP 09 • TREATMENT OF INFANTS WITH SYNDROMIC ROBIN SEQUENCE WITH THE TÜBINGEN PALATAL PLATE - A MINIMALLY INVASIVE TREATMENT OPTION
  Silvia Müller-Hagedorn1, Wolfgang Buchenau2, Joerg Arand2, Margit Bacher2, Christian Poets1. Departments of 1Orthodontics and 2Neonatology, Interdisciplinary Center for Craniofacial Malformations, University of Tübingen and 1BIP Orthodontic Practice, Tübingen, Germany

OP 10 • THREE-DIMENSIONAL SKELETAL AND AIRWAY CHANGES IN CLEFT PATIENTS WITH A CLASS III MALOCCLUSION TREATED WITH BONE ANCHORED MAXILLARY PROTRACTION: A 3.5 YEAR FOLLOW-UP
  Ralph Steegman1, Annemarijien Faye Klein Meulekamp1, Arjan Dieters1, Johan Jansma2, Yiijn Ren1. Departments of 1Orthodontics and 2Oral Maxillofacial Surgery, UMCG, Groningen, Netherlands

15:00-15:30 Coffee break in Exhibition Hall - Les Muses
  Sponsored by PLANMECA

FREE TOPICS
  Moderators: Maja Ovsenik, Pertti Perttiniemi, Albino Triaca

15:30-16:00 KEYNOTE LECTURE - Auditorium Apollon

K03 • SPLINTLESS ORTHOGNATHIC SURGERY
  Patrick Goudot. Maxillofacial Department, University Hospital, Pitié Salpêtrière, Paris, France

16:00-17:00 SHORT ORAL PRESENTATIONS - Auditorium Apollon

OP 11 • DO INFANT CLEFT DIMENSIONS AND TIMING OF HARD PALATE CLOSURE AFFECT PALATAL MORPHOLOGY IN UNILATERAL CLEFT LIP AND PALATE PATIENTS?
  Susanna Botticelli1, Annelise Kuseler2, Paolo M Cattaneo1, Maja Ovsenik3, Thomas Klit Pedersen4. 1Section of Orthodontics-Department of Dentistry, University of Aarhus, 2Cleft Lip and Palate Department, Institut for Kommunikation og Handicap, Aarhus C, Denmark, 3Department of Orthodontics and Dentofacial Orthopedics, University of Ljubljana, Slovenia and 4Department of Oral and Maxillofacial Surgery, Aarhus University Hospital, Denmark

OP 12 • IS THERE A RELATIONSHIP BETWEEN NASAL CHANGES AND PATIENTS' PERCEPTION AFTER LE FORT I SURGERY?
  Azize Atkan, Ayca Arman Ozcirpici. Department of Orthodontics, Baskent University, Ankara, Turkey

OP 13 • RETROSPECTIVE INVESTIGATION OF ALAR BASE CINCH SUTURE EFFECTS ON LONG-TERM NASOLABIAL ANGLE CHANGES FOLLOWING MAXILLARY OSTEOTOMY
  Renna Mahsoub1, Farhad Naini1, Sameer Patel2, David Wertheim3, Helen...
**SCIENTIFIC PROGRAMME**

**Pocket Programme**

**MONDAY 17th JUNE - SATURDAY 22nd JUNE 2019**

**SCIENTIFIC PROGRAMME**

**09:00-10:05**  **SHORT ORAL PRESENTATIONS** - Auditorium Apollon

**OP 16**  **COMPARISON OF CLINICAL EFFECTS OF ORTHODONTIC TREATMENT USING LABIAL AND LINGUAL SELF-LIGATING BRACKETS**

Gulistan Yigidim Efeoglu¹, Ilknur Veli². ¹Oral and Dental Care, Izmir Katip Celebi University Ataturk Education and Research Hospital and ²Department of Orthodontics, Izmir Katip Celebi University, Izmir, Turkey

**OP 17**  **COMPARATIVE ASSESSMENT OF FULLY CUSTOMIZED LINGUAL APPLIANCES AND LABIAL BRACKET SYSTEMS: AN EXPERIMENTAL INVESTIGATION**

 Chrystalla Kyprianou¹, Athina Chatzigianni², Christoph Bourauel¹. ¹Department of Oral Technology, University of Bonn, Germany and ²Department of Orthodontics, Aristotle University of Thessaloniki, Greece

**OP 18**  **ASSESSMENT OF CLASS II CORRECTION BY MAXILLARY DISTALIZATION WITH CUSTOMIZED LINGUAL APPLIANCES USING CORTICAL ANCHORAGE DEVICES***

Dirk Wiechmann¹, Frauke Beyling², Elisabeth Klang². ¹Department of Orthodontics, Hannover Medical School and ²Private Practice, Bad Essen, Germany

**OP 19**  **UPPER INCISOR ROOT TORQUE DURING SPACE CLOSURE AND CLASS II CORRECTION IN CLASS II DIVISION 2 PATIENTS WITH GENERALIZED SPACING**

Ons Alouini¹, Rainer Schwestka-Polly¹, Michael Knösel², Monique Chouvin³. Departments of Orthodontics, Hannover Medical School, ²Hannover University Medical Center, Göttingen, Germany and ³Université de Montpellier, France

**OP 20**  **BREAKAGE RATE OF A FULLY CUSTOMIZED LINGUAL APPLIANCE: A RETROSPECTIVE STUDY**

Nour E. Tarraf. Department of Orthodontics, The University of Sydney, Surry Hills, Australia

**OP 21**  **PREFABRICATION OF FIXED LINGUAL RETAINERS BEFORE DEBONDING OF LINGUAL FIXED APPLIANCES USING DIGITAL IMPRESSIONS: AN IN VITRO STUDY**

Cihan Aydogan. Department of Orthodontics, Van Yuzuncu Yil University, Van, Turkey

**17:15-18:45**  SYMPOSIUM • RMO EUROPE - Auditorium Apollon

Expanding the limits with modern TAD appliances

Heinz Winsauer

**Evening : President’s reception** (p.33)

**THURSDAY 20th, JUNE 2019**

**LINGUAL ORTHODONTICS**

Moderators: François Guyomard, Rainer-Reginald Miethke

**08:30-09:00**  KEYNOTE LECTURE - Auditorium Apollon

**K04**  **THREE WAYS TO GO - FROM GOOD TO GREAT**

Giuseppe Scuzzo. Ferrara University, Italy and Complutense University, Madrid, Spain

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**Witherow¹**, ¹Maxillofacial Unit, St George’s Hospital, London, ²Dental Institute, King’s College London, and ³Faculty of Science, Engineering and Computing, Kingston University, Surrey, U.K.

**OP 14**  **CLOSED VERSUS OPEN SURGICAL EXPOSURE OF PALATALLY DISPLACED CANINES: ERUPTION TIME, COMPLICATIONS AND PATIENT PERCEPTIONS; A RANDOMIZED CONTROLLED TRIAL**

Margitha Björksved¹, Björn Svensson¹, Rune Lindsten², Anders Magnusson², Farhan Bazargani². ¹Department of Medical Science, University of Örebro, ²Department of Orthodontics, The Institute for Postgraduate Dental Education, Jönköping and ³Department of Orthodontics, Postgraduate Dental Education Center, Örebro, Sweden

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**OP 15**  **AESTHETIC OUTCOME OF AUTOTRANSPLANTATION OF PREMOLARS TO THE ANTERIOR MAXILLA**

Enya Kuppens¹, Marcel Linssen², Dick Barendregt², Liesbeth Temmerman¹, Guy De Pauw¹. ¹Department of Orthodontics, University Hospital Ghent, Belgium and ²Proclin Rotterdam, Netherlands
SCIENTIFIC PROGRAMME

MONDAY 17TH JUNE - SATURDAY 22ND JUNE 2019

10:05-10:35  KEYNOTE LECTURE - Auditorium Apollon

K05  LINGUAL ORTHODONTICS AND THREE-DIMENSIONAL IMAGING
Anna Kari Hajati. Ortodonti Akademin, Stockholm, Sweden

10:45-11:05  Coffee break in Exhibition Hall - Les Muses

FREE TOPICS
Moderators: Vaska Vandevska-Radunovic, Yves Bolender, Timo Peltomäki

11:05-11:35  KEYNOTE LECTURE - Auditorium Apollon

K06  FACTS AND FICTION ABOUT ORAL HYGIENE
Paul-Georg Jost-Brinkmann, Department of Orthodontics, Dentofacial Orthopedics and Pedodontics, Charité - Universitätsmedizin Berlin

11:35-12:30  SHORT ORAL PRESENTATIONS - Auditorium Apollon

OP 22  COMPUTER-AIDED INDIRECT BONDING VERSUS DIRECT BONDING: COMPARISON OF BONDING TIME, IMMEDIATE FAILURES AND COST-MINIMIZATION ANALYSIS
Izabela Czolgosz1, Marie Cornelis2, Paolo Cattaneo1. 1Private Practice, Torun, Poland and 2Orthodontic Section, Aarhus University, Denmark

OP 23  EVALUATING THE CLINICAL ACCURACY OF A CUSTOMIZED LABIAL PRESCRIPTION WIRE AND BRACKET SYSTEM: A RETROSPECTIVE STUDY
Kenneth Lim1, Hashmat Popat2, David Manton2, Jonathan Mangum1, Paul Schneider1. 1Departments of Orthodontics and 2Paediatrics, University of Melbourne, Australia

OP 24  OPTIMIZED PERIODONTAL REGENERATION FOR ORTHODONTIC MOVEMENT MAY YIELD REGENERATED BONE FOR ORTHODONTIC DEVELOPMENT
Junichi Watahiki. Nihombashi Adult Orthodontic Center, Aqua Nihombashi Dental Clinic, Tokyo, Japan

OP 25  DIAGNOSIS AND PLANNING OF ORTHODONTIC TREATMENT IN PATIENTS WITH DIFFERENT GINGIVAL BIOTYPES AND MALOCCLUSIONS
Anastasia Karpanova1, Olga Arsenina1, Alexander Grudyanov2, Andrey Nadtochiy3, Anna Popova1. Departments of 1Orthodontics, 2Periodontology and 3Radiodiagnostics, Central Research Institute of Dental and Maxillofacial Surgery, Moscow, Russia

OP 26  HERBST-MULTIBRACKET TREATMENT: DOES THE AMOUNT OF LOWER INCISOR POSITION CHANGE CORRELATE WITH THE DEVELOPMENT OF LABIAL GINGIVAL RECESSIONS?
Sonja Suedwasser, Niko Bock, Sophia Baier, Julia Jost, Sabine Ruf. Department of Orthodontics at Justus-Liebig-University Giessen, Germany

12:30-14:00  Lunch Break in Exhibition Hall - Les Muses

EJO OPEN SESSION - Auditorium Apollon

12:30-13:30  DIGITAL ORTHODONTICS FRIEND OR FOE?
Moderator: Dirk Bister
• Clinical perspectives, Björn Ludwig
• Clinical and technical developments, Dirk Wiechmann

OCCLUSION - STABILITY
Moderators: Thierry De Coster, Urban Hägg, Allan Thom

14:00-14:30  KEYNOTE LECTURE - Auditorium Apollon

K07  SPACE CLOSURE IN PATIENTS WITH MISSING UPPER INCISORS: HOW TO CORRECT THE OCCLUSION FOR LONG-TERM HEALTH
Marco Rosa. Private orthodontic practice, Trento and Insubria University, Varese, Italy

14:30-15:30  SHORT ORAL PRESENTATIONS - Auditorium Apollon

OP 27  EVALUATION OF OCCLUSAL CHANGES WITHIN ORTHODONTIC TREATMENT
Sanaz Sadry1, Serdar Görzler2. Departments of 1Orthodontics and 2Prosthetics, Istanbul Aydin University, Istanbul, Turkey

OP 28  OCCLUSAL CONTACT AREA CHANGES WITH DIFFERENT RETENTION PROTOCOLS: ONE-YEAR FOLLOW-UP
Burçak Kara1, Berza Yılmaz2. 1Private practice, Istanbul and 2Department of Orthodontics, Bezmialem Vakif University, Istanbul, Turkey

Pocket Programme
SCIENTIFIC PROGRAMME
**MONDAY 17th JUNE - SATURDAY 22nd JUNE 2019**

### SCIENTIFIC PROGRAMME

**OP 29**  • PREDICTIVE FACTORS FOR LONG-TERM (>15 YEARS) STABILITY AFTER CLASS II TREATMENT  
Niko Bock, Sabine Ruf. Department of Orthodontics, University of Giessen, Germany

**OP 30**  • LONG-TERM SAGITTAL STABILITY OF THE SURGERY FIRST APPROACH FOR MANDIBULAR PROGNATHISM: A 5-YEAR FOLLOW-UP  
Peter Tran¹, Junji Sugawara², Hiroshi Nagasaka², Paul Schneider¹. ¹University of Melbourne, Australia and ²SAS Orthodontic Center, Ichiban-Cho Dental Clinic, Sendai, Japan

**OP 31**  • DEVELOPMENT AND VALIDATION OF A PREDICTION MODEL FOR LONG-TERM STABILITY OF EARLY TREATMENT OF CLASS III MALOCCLUSION  
Bernardo Souki¹, Paola Cozza², Lorenzo Franchi³. ¹Pontifical Catholic University of Minas Gerais, Belo Horizonte, Brazil, ²University of Rome Tor Vergata, Italy and ³University of Florence, Italy

**OP 32**  • FACIAL ASYMMETRY IN JUVENILE IDIOPATHIC ARTHRITIS PATIENTS: DIAGNOSTIC VALUE OF CLINICAL ASSESSMENT AND THREE-DIMENSIONAL PHOTOGRAPHY  
Joëlle M Bernini, Spyridon N Papageorgiou, Martina Eichenberger, Theodore Eliades, Raphael Patcas. Clinic of Orthodontics and Pediatric Dentistry, Center of Dental Medicine, University of Zurich, Switzerland

15:30-16:00  • KEYNOTE LECTURE - Auditorium Apollon  
**K08**  • LONG-TERM STABILITY FOLLOWING THE SURGERY FIRST APPROACH IN CLASS III PATIENTS  
Junji Sugawara. Department of Interdisciplinary Dentofacial Therapy, Sendai Aoba Clinic, Sendai, Japan

16:00-16:30  • COFFEE BREAK IN EXHIBITION HALL - LES MUSES  
Sponsored by 3SHAPE

16:00-17:30  • POSTER SESSION - Agora 2&3  
Evening : Disco (p.36)

**FRIDAY 21st, JUNE 2019**

### OCCLUSION - STABILITY

Moderators: Armelle Manière, Athanasios Athanasiou, Georges Rozencweig

**08:30-09:00**  • KEYNOTE LECTURE - Auditorium Apollon  
**K09**  • SURGICAL MANAGEMENT OF TEMPOROMANDIBULAR JOINT DISORDERS WHEN TRADITIONAL CONSERVATIVE MANAGEMENT FAILS  
Esben Aagaard. Private Hospital, Copenhagen Denmark.

**09:00-10:00**  • SHORT ORAL PRESENTATIONS - Auditorium Apollon  
**OP 33**  • THE STABILITY OF SURGICALLY ASSISTED RAPID MAXILLARY EXPANSION: A SYSTEMATIC REVIEW  
Nikhil Gogna, Ama Johal, Pratik Sharma. Department of Orthodontics, QMUL, Royal London Dental Hospital, U.K.

**OP 34**  • PREVALENCE OF AN ELONGATED STYLOID PROCESS AND EAGLE’S SYNDROME FOR THE DIFFERENTIAL DIAGNOSIS OF TEMPOROMANDIBULAR DISORDERS  
Alberto De Stefani, Giovanni Bruno, Antonio Gracco. University of Padua, Italy

**OP 35**  • EVALUATION OF THE RELATIONSHIP BETWEEN TEMPOROMANDIBULAR JOINT DYSFUNCTION AND ORAL HEALTH PROFILE IN ORTHODONTIC PATIENTS WITH DENTAL MALOCCLUSIONS  
Ahmet Karaman¹, Suleyman Kutalmı Buyuk². Departments of Orthodontics, ¹Istanbul Aydin University, Istanbul and ²Ordu University Faculty of Dentistry, Turkey

**OP 36**  • IMPACT OF POST-ORTHODONTIC DENTAL OCCLUSION ON MASTICATORY PERFORMANCE  
Jocelyne Shim, Eszter Somogyi-Ganss, Angelos Metaxas, Iacopo Cioffi. University of Toronto, Faculty of Dentistry, Canada

10:00-10:30  • COFFEE BREAK IN EXHIBITION HALL - LES MUSES  
Sponsored by E.M.S. Electro Medical Systems
10:30-11:00  KEYNOTE LECTURE  - Auditorium Apollon

K10  • RETENTION: EVIDENCE-BASED FACTORS AFFECTING SUCCESS
Simon Littlewood. St Luke’s Hospital, Bradford, UK

11:00-11:20  SHORT ORAL PRESENTATIONS  - Auditorium Apollon

OP 37  • STABILITY OF LOWER INCISOR POSITION FOLLOWING TWO PHASE NON-EXTRACTION TREATMENT
William Wiltshire, Matthew Kotyk. Department of Orthodontics, University of Manitoba, Winnipeg, Canada

OP 38  • UNEXPECTED TOOTH MOVEMENT DESPITE BONDED RETAINERS: PREVALENCE AND MOVEMENT PATTERNS
Katharina Klaus1, Faidra Xirouchaki2, Sabine Ruf1. 1Department of Orthodontics, Justus-Liebig-University Giessen, Germany and 2Private Orthodontic Practice, Crete, Greece

11:20-11:30  PRESENTATION OF THE EOS CONGRESS 2020  - Auditorium Apollon

11:30-12:00  AWARD CEREMONY  - Auditorium Apollon

12:00-13:00  Lunch Break in Exhibition Hall - Les Muses

12:10-12:50  SYMPOSIUM  • DW Lingual Systems GmbH  - Auditorium Apollon
• WIN-Smart: Bodily tooth movements with esthetic appliances
Dirk Wiechmann

FREE TOPICS
Moderators: Damien Brezulier, Ravindra Nanda, Jean-David Sebaoun

13:00-13:30  KEYNOTE LECTURE  - Auditorium Apollon

K11  • THE JURY IS BACK AND WE HAVE A VERDICT: ACCELERATED TOOTH MOVEMENT IS ON TRIAL!
Ali Darendeliller. Discipline of Orthodontics, University of Sydney, Australia

13:30-14:30  SHORT ORAL PRESENTATIONS  - Auditorium Apollon

OP 39  • COMPARISON OF MANDIBULAR GROWTH VELOCITY AT DIFFERENT CERVICAL VERTEBRAL MATURATION STAGES
Sara Hosni1, Girvan Burnside2, Simon Watkinson2, Jayne Harrison1. 1The University of Liverpool and 2Blackburn Hospital, U.K.

Louise Miltenburg Caspersen1, Liselotte Sonnesen. 1Postgraduate Education in Orthodontics, Department of Odontology, Faculty of Health and Medical Sciences, University of Copenhagen, Denmark

14:30-15:00  Coffee break in exhibition hall sponsored by E.M.S Electro Medical Systems

FREE TOPICS
Moderators: Michel Le Gall, Mikis Papadopoulos, Dirk Wiechmann

15:00-15:30  KEYNOTE LECTURE  - Auditorium Apollon

K12  • MANAGEMENT OF SAGITTAL, TRANSVERSAL AND VERTICAL ASYMMETRIES USING TEMPORARY ANCHORAGE DEVICES (TADs)
Benedic Wilmes. Department of Orthodontics, University of Düsseldorf, Germany (TADs)
**SPARTAN**

**Pocket Programme**

**MONDAY 17th JUNE - SATURDAY 22nd JUNE 2019**

**SCIENTIFIC PROGRAMME**

**15:30-17:00**  
**SHORT ORAL PRESENTATIONS** - Auditorium Apollon

**OP 44** • THE EFFECT OF THREE DIFFERENT RAPID MAXILLARY EXPANDERS ON THE UPPER AIRWAY. A CONE BEAM COMPUTED TOMOGRAPHY, RANDOMISED CONTROLLED TRIAL

Gordon Cheung, Oyku Dalcı, Simone Mustac, M Ali Darendeliler, Alexandra Papadopoulou. Department of Orthodontics, The University of Sydney, Surry Hills, Australia

**OP 45** • EFFECTS ON MIDPALATAL SUTURE AND NASAL AIRFLOW USING TOOTH-BORNE AND TOOTH-BONE-BORNE RME APPLIANCES: A RANDOMISED CONTROLLED TRIAL

Farhan Bazargani¹, Henrik Lund², Anders Magnuson³, Björn Ludwig⁴. ¹Department of Orthodontics, Postgraduate Dental Education Center, Örebro, Sweden, ²Department of Oral & Maxillofacial Radiology, Sahlgrenska Academy, University of Gothenburg, Sweden, ³Clinical Epidemiology and Biostatistics Unit, Orebro University Hospital, Sweden and ⁴Private Orthodontic Office, Traben-Trarbach, Germany

**OP 46** • CLASS II MALOCCLUSION TREATMENT: BONE ANCHORED VERSUS. NORMAL INTERMAXILLARY ELASTIC USE

Aylin Pasaoglu Bozkurt. Department of Orthodontics, Beykent University, Istanbul, Turkey

**OP 47** • IN VIVO FAILURE OF TEMPORARY ANCHORAGE DEVICES COATED WITH HYDROXYAPATITE-CHOLECALCIFEROL VERSUS HYDROXYAPATITE ONLY: A SPLIT MOUTH RANDOMIZED CONTROL TRIAL

Owais Khalid Durrani. Department of Orthodontics, Riphah International University, Islamabad, Pakistan

**OP 48** • DO ORTHODONTIC POSTGRADUATE STUDENTS KNOW EVIDENCE-BASED RESEARCH METHODOLOGY AND HOW DO THEY COMPARE WITH OTHER SPECIALTIES? AN INTERNATIONAL SURVEY

Spyridon N Papageorgiou¹, Despina Koletsi², Raphael Patcas³, Leslie A Will³, Theodore Eliades¹. ¹Clinic of Orthodontics and Pediatric Dentistry, Center of Dental Medicine, University of Zurich, Switzerland, ²Department of Orthodontics, School of Dentistry, National and Kapodistrian University of Athens, Greece and

**EOS Business Meeting**

**Evening : Gala Diner Negresco** (p.36)

**SATURDAY 22nd, JUNE 2019**

- EOS Golf Tournament supported by [OrthoCaps](#)
- Congress Outing and Silver Mill Competition P.37/38/39
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SYMPOSIA

WEDNESDAY 19th, JUNE 2019

12:40-13:20 SYMPOSIUM • ALIGN TECHNOLOGY BV - Rhodes 9
• Invisalign Innovations for Growing Patients - Introducing cases treated with the use of Mandibular Advancement features and Invisalign First Option
  Susana Palma
  [Lunch boxes provided by Align Technology BV]

12:40-13:20 SYMPOSIUM • PLANMECA - Rhodes 13
• 3D Your Orthodontics & Orthognathics: it’s the right time
  Emadidean Elfarra and Ahmad Alshadwi

17:15-18:45 SYMPOSIUM • RMO EUROPE - Auditorium Apollon
Expanding the limits with modern TAD appliances
  Heinz Winsauer

FRIDAY 21st, JUNE 2019

12:10-12:50 SYMPOSIUM • DW Lingual Systems GmbH - Auditorium Apollon
• WIN-Smart: Bodily tooth movements with esthetic appliances
  Dirk Wiechmann

POSTER INFORMATION

Poster session
Wednesday 19th 16:00-17:30

Poster set-up
Posters can be set up from 14:00 on Tuesday 18th June. Velcro coins will be supplied from the help desk in the poster areas. The poster areas will be open to delegates from Wednesday 19th June at 07:30

Poster take-down
All posters should be taken down after the last coffee break on Friday 21st June between 15:00 and 17:00. All posters still in place after 17:00 will be disposed of.

Certificate
A certificate will be emailed to all poster presenters who displayed their posters during the Congress. Please note that certificates will not be provided for co-authors.

Poster layout

| Agora 3: Houston Posters (HP 01 \rightarrow HP 04) | Scientific Posters (SP 001 \rightarrow SP 308) |
| Agora 2: Scientific Posters (SP 309 \rightarrow SP 404) | Clinical Posters (CP 01 \rightarrow CP 99) |
Opening Ceremony and Welcome Reception  
**Tuesday 18th June 2019, 18:00-21:30**

**Included in the Congress Registration and Accompanying Person ticket.** Welcome to the Opening Ceremony of the Congress at the Acropolis “Auditorium Apollon” immediately after, the opening of the Trade Exhibition.

**Venue**

Designed by architects Buzzi, Bernasconi, and Baptiste, **NICE ACROPOLIS Convention Center** opened its doors in 1984 and was inaugurated in May 1985 when the prestigious Apollo auditorium was completed. Its layout was carefully designed: gardens, fountains, and numerous works of art are on exhibit outside the building.

The Welcome Reception, following the Opening Ceremony, will also be hosted at the Acropolis Convention Center.

**Dress code:** Smart Casual

---

President’s Reception  
**Wednesday 19th June 2019, 19:00-01:00**

Truly a maze of greenery that has become popular for its cool undergrowth and surprising waterfall, this wonderful place for strolling offers a wonderful viewpoint over Baie des Anges, Old Nice and the Port.

A breathtaking view, Sea of sight and the sunrise as only panorama that’s the experience you will live. For the EOS congress, the city of Nice exceptionally opens the door to welcome you in the “Parc de la colline du Chateau”.

**Included in the Congress Registration and Accompanying Person ticket.**

**Venue:** Parc de la colline du Château  
Rue des Ponchettes - Rue de Foresta  
Montée Montfort - 06300 NICE

**Access & Shuttle information:** please take a look on our website or come to our information desk at the venue.

**Dress code:** Smart Casual [high heels are not recommended]

The reception will take place in the garden.
Accompanying Person’s Half Day Tour

**Wednesday 19th at 09:30-13:00**
and **Thursday 20th at 14:00-17:30**

Eze & Monaco (parfumerie Fragonard - jardin exotique)

Scenic tour on the middle corniche road along the sea. Guided visit to this medieval village atop a rocky spur overlooking the Mediterranean, ranked among the most beautiful villages in France. Guided tour of its exotic garden which houses the ruins of its castle. Guided visit of the famous perfumery Fragonard. Scenic tour until Monaco - historic city on “the rock”, guided visit to the old town, the cathedral, the Palace Square.

**Wednesday 19th at 14:00-17:30**

Ephrussi de Rothschild’s Villa & St Jean Cap Ferrat

Scenic tour on the lower corniche road along the sea. Guided visit of the Ephrussi de Rothschild’s Villa and its 9 marvellous gardens. Discover the splendor to the

French garden, the lush vegetation of the Spanish and Florentine garden, rare plants and archaeological remains in the exotic garden. Scenic tour of St Jean Cap Ferrat.

**Thursday 20th at 09:30-13:00**

Nice – City of Art:
Matisse Museum - Chagall Museum & panoramic tour of Nice

Panoramic tour of Nice and of Cimiez hill, the roman cradle of the city, followed by a guided tour of the Matisse Museum, housed in a seventeenth-century Genoese house with famous and unpublished works. Then, a guided tour of the National Museum Chagall where the works are presented following the five creative periods of the artist.

*Included in the Accompanying Person ticket ONLY if the slot is selected during the registration process. Book a slot now to avoid disappointment as availability is limited!*

*Delegates can purchase additional tickets at 66€ incl. VAT during the registration process, or by logging into the Attendee Account. Subject to availability.*
EOS Golf Tournament at Royal Mougins Golf Resort sponsored by orthocaps®
Saturday 22nd June 2019, 7:15-18:00

Ticketed event: 120€ incl. VAT. A visit to the castle is included. Please purchase your ticket during the registration process, or by logging into your Attendee Account. Subject to availability.

The Programme

7:00 : Transfert from the Acropolis to the Royal Mougins Golf Resort
7:00 to 13:00 : golf tournament “shot gun”
13:15 : Transfert to Saint Paul de Vence
14:15 to 16:00 : Lunch at the restaurant “Le Tilleul”

Gala Dinner
Friday 21st June 2019, 19:30-00:00

Ticketed event: 250€ incl. VAT. Please purchase your ticket during the registration process, or by logging into your Attendee Account. Subject to availability.

The unexpected palace
100 years... the Negresco has been overlooking one of the French Riviera’s most beautiful bays for a century. This large white vessel moored at the Baie des Anges has become a legend. A legend of a very French art of living forged year after year. Unique and timeless, the Negresco is above all a place where everything is possible, flamboyance served on a tray. The unique rooms are equipped with exceptional authentic furniture and works of art from Louis XIII period to today. Facing the Mediterranean Sea on the famous Promenade des Anglais, the hotel is a few minutes’ walk away from Nice old town

Dress code: Business attire

Dress code:

Disco
Thursday 20th June 2019, 21:30-01:00

Included in the Postgraduate Student registration. Delegates who are not Postgraduate Students can purchase a ticket at 60€ incl. VAT during the registration process, or by logging into the Attendee Account. Subject to availability.

Venue
This trendy nightclub the High Club attracts the “golden boys” High Club hosts some of the most celebrated international DJ’s each weekend. This is the place where you can dance to hip music and party until six in the morning.

Dress code: Smart Casual

EOS Golf Tournament will take place on the beautiful Royal Mougins Golf Resort course. If the French Riviera is the soul of Royal Mougins Golf Resort, then golf is its heart. Winding between wooded vales, rivers, and lakes, the 18-hole championship golf course was founded in 1993 and has become a benchmark for golf resorts all over Europe. A reputation due not only to the quality of its technically challenging course but also to the unspoilt nature of the surroundings and the complete range of high-end amenities provided.

Dress code: Regular golf attire.

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Friday 21st June 2019, 19:30-00:00

Ticketed event: 250€ incl. VAT. Please purchase your ticket during the registration process, or by logging into your Attendee Account. Subject to availability.

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Dress code: Regular golf attire.
to receive, acquire, restore, preserve and exhibit artworks to the public and give artists the opportunity to meet and work together. Today, Adrien Maeght chairs the Board of Directors of the Foundation that brings together personalities, representatives of state and national museums and members of the Maeght family.

- Saint Paul de Vence is a charming hilltop fortified village in Provence, filled with art galleries, boutiques and sidewalk cafes. A walk through its winding streets reveals elegant fountains, vine-covered stone walls and statues tucked into the walls. There are breathtaking views of mountains and the Mediterranean sea, sparkling in the background. Even the cobblestones have beauty; they’re shaped like flowers.

- What is Petanque (pronounced Pay-tonk) / Boules (pronounced Boolz) anyway? Petanque is also known around the world as Boules. It is an exciting game that was first played in France around 1907 and is quickly becoming very popular. It can be played outdoors by everyone no matter what their age or athletic ability. All that’s needed is a friend or two, an open space, the Playaboule petanque / boules game set, and the ability to aim and throw a ball. We can help you with the petanque equipment: it consists of a small ball called a jack, six or 8 larger metal balls called boules, a measure, and a carrying case.

**Dress code:** Comfortable shoes and clothes

**Transfers by executive coach from and to Acropolis:** pick-up at 09:00 for departure at 09:15; drop-off at 16:30.

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**Congress Outing and Silver Mill Competition**

**Saturday 22nd June 2019, 09:00-16:00**

**Ticketed event: 120€ incl. VAT. A visit to the castle is included.** Please purchase your ticket during the registration process, or by logging into your Attendee Account. Subject to availability.

**The Programme : live the unexpected Provence in Saint Paul de Vence**

- 10:00 to 11:30 : visit to the Maeght Fondation
- 11:30 to 13:00 : visit to the historical village
- 13:00 to 14:30 : Petanque competition at the “Café de la Place”
- 14:30 to 16:00 : Lunch at the restaurant “Le Tilleul”

**Venues**

- Fondation Maeght, Inaugurated on 28 July 1964 by André Malraux, the Foundation was born from the friendship of Aimé Maeght, art dealer and gallery owner in Paris, with the great names of modern art including Joan Miró, Alexander Calder, Fernand Leger, Georges Braque, Alberto Giacometti, Marc Chagall and Eduardo Chillida. A recognized public service, it is intended...
Badges
A name badge will be provided on-site with your registration materials. Name badges must be worn and visible at all times during the Congress and networking events.

Certificate of Attendance
A Certificate of Attendance will be sent out by e-mail two weeks after the congress.

Congress Language
English is the official Congress language.

Congress Materials
Congress Materials should be collected on-site in the welcome area during opening hours.

Congress Venue
Palais des congrès Nice Acropolis
1 Esplanade John Fitzgerald Kenned
06000 Nice

Disclaimer/Liability
EOS and Eventime, as the congress organizer, accept no liability for the act of any supplier to this meeting, nor liability for personal injury, the safety of any attendee whilst in transit to and from this event, any loss or damage, or delays in transport by air, sea, rail, road, weather, in case of strikes, sickness, war or other causes.

Exhibition Opening Hours

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<th>Day</th>
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<tbody>
<tr>
<td>Tuesday 18th June</td>
<td>19:30-21:30</td>
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<td>Wednesday 19th June</td>
<td>7:30-17:00</td>
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</tr>
</tbody>
</table>
Pocket Programme
MONDAY 17th JUNE - SATURDAY 22nd JUNE 2019

CONGRESS INFORMATION

■ Food and Drink
Complimentary coffee will be available during the mid-morning and mid-afternoon breaks in the exhibition hall (Les Muses). No lunch is provided, however there will be food available to purchases on the Muses terraces next to the exhibition Hall. Come and discover Nice typical food.

■ Mobile Phones
Delegates are kindly requested to turn off their mobile phones when attending scientific and educational sessions, as well as during poster viewings.

■ Photos
By attending this event and/or associated events as part of the EOS congress, you consent to being filmed and/or photographed.

■ Programme
The most up-to-date programme can be found on the congress website www.eos2019.com

■ Preview room for speakers
Please note, you will not be able to play your presentation directly from your laptop and you must visit the Speaker Preview Room (Foyer Hermes) in advance of your session.

■ Networking events
For all question regarding the networking events please come and visit us at the information desk in the Lobby.

■ Luggage
For safety reasons no luggage is allowed in the venue. No deposit in the cloakroom.

■ Cloakroom
The cloakroom is located in the venue’s entrance during the congress registration opening hours.
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