



Türk Ortodonti Derneđi  
Turkish Orthodontic Society

# 17<sup>th</sup> TOS INTERNATIONAL VIRTUAL CONGRESS *Orthodontics in a Changing World*

Scientific Program

12-14 MARCH 2021

[www.TOD2021.org](http://www.TOD2021.org)



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# 17<sup>th</sup> INTERNATIONAL VIRTUAL CONGRESS

## Orthodontics in a Changing World

12-14 MARCH 2021

All hours at time shown on the programme are TRT Turkey time (GMT +3)

### Virtual Congress Program

March 12<sup>th</sup>, 2021 - Friday

9:00 – 9:30

Exhibition Area Tour

09:30 – 11:30

### OPENING SESSION

#### Oral Presentations

*Chair: Fulya Ozdemir*

- 09:30 OP-01/Artificial Intelligence in Evaluation of Skeletal Maturation with Hand-wrist Radiographs: Success Rate of The Deep Learning Algorithm  
*Hasan Camci, Farhad Salmanpour*
- 09:38 OP-02/Assesment of Quality of Information on Youtube Regarding Orthodontic Miniscrews  
*Tuqba Haliloğlu Ozkan*
- 09:46 OP-03/A New Compliance-free Approach in Maxillary Expansion Treatment: The Ni-ti Memory Leaf-expander  
*Bahar Ulug, Ayca Arman Ozcirpici*
- 09:54 OP-04/Evaluation of Orthodontic Awareness Among Primary and Secondary School Students: A Cross-sectional Epidemiological Study  
*Saadet Cinarsoy Cigerim, Turkan Sezen Erhamza, Jamil Bayzed, Gonul Dinc, Fatih Kazanci*
- 10:04 OP-05/Effects of Lingual Arch Application on The Dento-alveolar Structures in Facemask Treatment  
*Fatma Soybay, Aysegul Gulec*
- 10:12 OP-06/Evaluation of The Relationship Between State Anxiety and Treatment Needs in Patients Seeking Orthodontic Treatment  
*Zeynep Coban Buyukbayraktar, Cenk Doruk, Sumeyye Kara*
- 10:16 OP-07/Evaluation of Accessing Information About Orthodontics: A Cross-sectional Survey Study  
*Tugce Imamoglu, Suleyman Kutalmis Buyuk, Kevser Kurt Demirsoy*
- 10:24 OP-08/Three Dimensional Cephalometric Analysis and Three Dimensional Airway Evaluation Process Steps with CBCT  
*Ozum Dasdemir Ozkan*
- 10:32 OP-09/Are Youtube™ Videos Reliable As A Turkish Source of Information for Orthodontic Face Mask Treatment?  
*Mehmet Ali Yavan*
- 10:40 OP-10/The Effects of COVID-19 Pandemic on Orthodontic Treatment Process and Patient Emotion-behavior Patterns  
*Merve Berika Kadioğlu, Meliha Rubendiz*
- 10:48 OP-11/Anxiety and Treatment Request During The COVID-19 Pandemic in Patients Applying to The Orthodontics Clinic  
*Refika Topal*
- 10:56 OP-12/Laser-aided Enamel Conditioning: A Comparison of Microleakage Under Brackets Following Different Aging Procedures  
*Ufuk Ok, Berza Sen Yilmaz, Sabri Ilhan Ramoglu*
- 11:04 **Question & Answer**



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#### Opening Ceremony

12:00 **Ozlem Seckin, Ayse Tuba Altug**

12:30 – 14:00

#### SESSION 1

*Chair: Ozlem Seckin*

12:30 **Orthodontic and Periodontal Interaction in Adult Patients**

**Ahu Acar**

13:00 **Interdisciplinary Approaches in Orthodontics**

**Serhat Ozsoy**

13:30 **Question & Answer**

14:00 – 14:15

#### Exhibition Area Tour

14:15 – 15:00

#### SESSION 2

#### ORHAN OKYAY Award Nominee Oral Presentations

*Chair: Irfan Karadede*

14:15 **OP-13/Rate of Tooth Movement and Bone Biomarkers in Surgery First Patients**

**Bequm Guler, Gokmen Kurt, Dogan Dolanmaz, Eray Metin Guler, Ahmet Aydogdu**

14:25 **OP-14/Mesenchymal Stem Cell Injection in Treatment of Orthodontically-induced Dehiscence Defects**

**Nisa Gul Amuk, Gokmen Kurt, Erol Karsli, Servet Ozcan, Mustafa Burak Acar, Mehmet Amuk, Emin Serhat Arikan, Ayca Lekesizcan, Cem Abdulkadir Gurgan**

14:35 **OP-15/Preventive and Interceptive Orthodontic Treatment in Children with Cerebral Palsy**

**Esra Tunalı, Seniz Karacay, Arda Tabancalı, Busra Seda Imamoglu, Ersin Yildirim, Turgay Arik**

14:45 **Question & Answer**

15:00 – 15:15

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#### SESSION 3

15:15 – 16:00

#### Oral Presentations

*Chair: Serkan Gorgulu*

- 15:15 OP-17/Comparison of Treatment Results of Labial vs. Lingual Orthodontic Treatment in Adult Patients with Deep Bite  
*Hande Pamukcu, Omur Polat Ozsoy*
- 15:23 OP-18/The Effect of Pretreatment Soft Tissue Thickness on Posttreatment Aesthetics After Orthognathic Surgery  
*Sinem Ince Binqol, Nilufer Irem Tuncer*
- 15:31 OP-19/The Effect of Upper Impacted Canine Tooth on The Maxillary Sinus Volume and Alveolar Pneumatization  
*Emine Kaygisiz, Merve Kurnaz, Gulsun Akay, Kahraman Gungor, Tuba Tortop*
- 15:39 OP-20/Treatment of Class III Malocclusion: Orthodontic Camouflage vs. Orthognathic Surgery?  
*Ezgi Kosen, Elif Dilara Seker, Ezgi Sunal Akturk*
- 15:47 **Question & Answer**

16:00 – 16:15

#### Exhibition Area Tour



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#### SESSION 4

16:15 – 17:45

#### Oral Presentations

*Chair: Cagla Sar*

- 16:15 OP-21/Comparison of Infra Zygomatic Crest (IZC) Mini Screws Made of Different Materials Under Different Intrusion Forces  
*Kubra Arslan Carpar, Turkan Sezen Erhamza*
- 16:23 OP-22/Comparison of The Accuracy of Different Intraoral Scanners on The Palatal Orthodontic Mini Screws  
*Hakan Yilmaz*
- 16:31 OP-23/Evaluation of Bone Characteristics in The Infrazygomatic Crest for Miniscrew Insertion  
*Aysenur Seir Bicki, Bengisu Akarsu Guven, Tulin Taner*
- 16:39 OP-24/Comparison of Mandibular Buccal Shelf Measurements in Class III Subjects with Different Vertical Growth Patterns  
*Gediz Aksoz, Hande Gorucu Coskuner, Ezgi Atik, Bengisu Akarsu Guven, Hakan El*
- 16:47 OP-25/Assesment of Joint Space Changes in Patients with Bone Anchored Protraction Facemask: A Retrospective Study  
*Nigar Mammadova, Burcin Akan*
- 16:55 OP-26/Evaluation of Three Distinct Intraoral Molar Distalization Methods Using Finite Element Method  
*Kifayet Burcu Ozdemir, Fundagul Bilgic Zortuk*
- 17:03 SS-27/Influence of facial type on the attractiveness of vertical canine position from the perspective of orthodontists and laypeople  
*Yasemin Bahar Acar, Ece Abuhan, Rudi Boyaciyen, Fulya Ozdemir*
- 17:11 OP-29/Assessment of The Effect of Skeletal Anchorage-supported Molar Intrusion on Rotation of The Mandible  
*Muhammed Hilmi Buyukcavus, Omer Faruk Sari*
- 17:19 OP-30/Assessment of The Relationship Between Fractal Analysis of Mandibular Bone and Orthodontic Treatment Duration  
*Emre Kose, Yazgi Ay Unuvar, Mustafa Uzun*
- 17:27 **Question & Answer**



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17:45 – 18:00

Exhibition Area Tour

18:00 – 19:30

#### SESSION 5

*Chair: Nazan Kucukkeles*

18:00 **Multidisciplinary Orthodontic Treatment of Adults with or without Skeletal Anchorage**

***Mochos Papadopoulos***

18:30 **Adult Orthodontics**

***Yildiz Ozturk Ortan***

19:00 **Question & Answer**

19:30 – 20:00

Exhibition Area Tour



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Exhibition Area Tour

10:00 – 11:30

### SESSION 6

#### Oral Presentations

*Chair: Burcu Balos Tuncer*

- 10:00 OP-31/Relationship of Temporomandibular Joint Diseases with Psychological Stress and Sleep Problems  
*Tuğçe Ozbek Caqlar, Zahir Altug, Ayşe Tuba Altug*
- 10:08 OP-32/Evaluation of The Effect of Occlusal Splint Before Orthodontic Treatment in Bruxism  
*Serpil Kosgin Bakka, Yasin Atakan Benkli*
- 10:16 OP-33/Evaluation of The Effect of Orthodontic Treatment on The Oral Health Related Quality of Life and Temporomandibular Disorder  
*Ahmet Karaman, Zeynep Sapan*
- 10:24 OP-34/Comparison of Structural Features of Temporomandibular Joints of Patients with Different Vertical Pattern  
*Humeyra Unsal, Elif Dilara Seker, Berza Yilmaz*
- 10:32 OP-35/Alterations in Pharyngeal Airway Dimensions After Mandible Positioning in Orthopedic Stable Position  
*Pelin Acar Ulutas, Seden Akan, Korkmaz Sayinsu*
- 10:40 OP-36/Evaluation of Condyle Position Using CBCT Images in Patients with Different Skeletal Structure  
*Yazgi Ay Unuvar, Emre Kose, Mehçure Nur Albayrak*
- 10:48 OP-37/Investigation of Application Areas and Effectiveness of Tele-dentistry in Orthodontics Practice  
*Emre Kayalar, Berkan Kucukkurt*
- 10:56 OP-38/The Effects of Lockdown Restrictions During COVID-19 Pandemic on The Adolescents Undergoing Orthodontic Treatment  
*Funda Gulay Kadioglu, Ayca Ustdal Guney, Oruc Yener Cam*
- 11:04 OP-39/Assesment of The Quality of The Internet Information About The Emergencies That Can Be Encountered During Orthodontic Treatment  
*Derya Dursun*
- 11:10 OP-40/Effect of COVID-19 and The Quarantine Period on The Anxiety Levels of Orthodontic Patients  
*Emre Cesur, Can Arslan, Ender Cesur*
- 11:18 **Question & Answer**



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11:30 – 12:00

Exhibition Area Tour

12:00 – 13:30

#### SESSION 7

Chair: Nejat Erverdi

12:00 **Keys to Pre-Aligner Treatment for Challenging Cases**

**Chris Chang**



13:15 **Question & Answer**

13:30 – 13:45

Exhibition Area Tour

13:45 – 14:30

#### SESSION 8

**AYHAN ENACAR Award Nominee Case Presentations**

Chair: Bulent Baydas

13:45 **OP-41/Combined Condylectomy and Orthodontic Treatment Approach for Unilateral Condylar Hyperplasia**

**Osman Oktem Akturk, Ezgi Sunal Akturk, Nurettin Diker, Alper Alkan**

13:55 **OP-42/Maxillary Protraction with A Hybrid Keles Keyless Expander®: 3D Design and Construction**

**Emre Kayalar, Elif Eren, Ahmet Keles**

14:05 **OP-43/Dento-Facial Changes in the Non-surgical Treatment of the Heavy Skeletal Class III Individual**

**Merve Berika Kadioglu, Berrak Cakmak, Meliha Rubendiz**

14:15 **Question & Answer**

14:30 – 14:45

Exhibition Area Tour

14:45 – 16:15

#### SESSION 9

Chair: Derya Germec Cakan

14:45 **Treatment Responses to Functional Appliance Therapy in Cleft Patients , Are All Factors Accounted for ?**

**Tradib Jayapal**

15:15 **Biomechanics for Root Movement and Occlusal Reconstruction - Theory and Reality**

**Kee-Joon Lee**

15:45 **Question & Answer**





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Exhibition Area Tour

16:30 – 18:00

### SESSION 10

Oral Presentations

*Chair: Furkan Dindaroglu*

- 16:30 OP-44/Candidate Gene Research By Exome Sequencing in Familial Dental Transposition Cases  
*Abdurrahman Balaban, Gokmen Kurt, Gozde Yesil*
- 16:38 OP-45/Correlation of Dental Anomalies with Orofacial Cleft Type and Gender  
*Petros Papaefthymiou, Margarita Agrafioti, Hanife Nuray Yilmaz*
- 16:46 OP-46/Evaluation of The Effect of Birth Method on Facial Morphology and Mandibular Asymmetry  
*Ibrahim Emir Mertoglu, Elif Dilara Seker*
- 16:54 OP-47/Is There A Relation Between The Congenital Teeth Deficiency and The Skeletal Malocclusions?
- 17:02 *Kubra Yildiz, Serkan Gorgulu, Gokhan Serhat Duran, Kubra Gulnur Topsakal*  
OP-48/Effect of Methylphenidat with Different Doses on New Bone Formation in Mid Palatal Suture After Rapid Maxillary Expansion in Rats  
*Saffet Dursun, Turkan Sezen Erhamza, Mustafa Ercument Onder, Selma Erdogan Duzcu*
- 17:10 OP-49/Evaluation of The Relationship Between Midpalatal Suture Maturation and Chronologic Age with Cone-beam Computerized Tomography Via Fractal Analysis in Turkish Population
- 17:18 *Gulcan Kocal, Koray Halicioglu*  
OP-50/Changes in The Smile Line After Rapid Maxiller Expansion  
*Mehmet Kiziloglu, Sanaz Sadry*
- 17:26 OP-51/The Influence of Activator-cervical Headgear Treatment on Trabecular Bone Structures of The Mandible: A Fractal Analysis Study  
*Demet Kaya, Merve Gonca*
- 17:34 OP-52/Determination of Treatment Plan of Class II Malocclusions By Artificial Intelligence: Removable Or Fixed Functional Appliance?  
*Farhad Salmanpour, Seyda Canbaz Cevik, Hasan Camci*
- 17:42 OP-53/The Comparison of A and B Points Reliability Between Conventional, Hemifacial and Midfacial Lateral Cephalograms Obtained From CBCT  
*Seden Akan Bayhan, Berkehan Tuncel, Toros Alcan*
- 17:50 **Question & Answer**



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Exhibition Area Tour

18:15 – 19:45

#### SESSION 11

*Chair: Ufuk Toygar Memikoglu*

- 18:15 **Artificial Intelligence and Deep Learning in Dentistry and Orthodontics**  
**Kaan Orhan**
- 18:45 **Evolution of A Digital Orthodontic Clinic in Turkey**  
**Mustafa Ates**
- 19:15 **Question & Answer**

19:45 – 20:00

Exhibition Area Tour

20:00 – 21:45

#### SESSION 12

*Chair: Korkmaz Sayinsu*

- 20:00 **New Horizons in Orthodontics**  
**Juan Carlos Perez Varela**
- 20:30 **New Horizons in Orthodontic Treatment of Maxillary Constriction: Keles Keyless Expander**  
**Ahmet Keles**
- 21:15 **Question & Answer**

21:45 – 22:00

Exhibition Area Tour



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#### SESSION 13

10:30 – 12:15

#### Oral Presentations

*Chair: Enver Yetkiner*

- 10:30 OP-54/Comparison of Bone Thickness and Density Around The Zygomaticomaxillary Suture According to Gender  
*Mucahid Yildirim, Bekir Lale, Mehmet Esad Guven*
- 10:38 OP-56/Geometric Morphometric Analysis of The Pharyngeal Airway During Treatment of Class III Malocclusion  
*Emine Kaygisiz, Gokhan Ocakoglu, Merve Kurnaz, Sema Yuksel, Tuba Tortop*
- 10:46 OP-57/Efficacy of P11-4 and CPP-ACP in The Treatment of WSL  
*Esra Tunali, Seniz Karacay, Bugra Ozen, Onder Albayrak*
- 10:54 OP-58/Assessment of The Effects of Lokal Platelet Rich Fibrin (PRF) Injection and Piezocision on Orthodontic Tooth Movement During Canine Distalization  
*Ilknur Caqli Karci, Zeliha Muge Baka*
- 11:02 OP-59/Comparison of Skeletal and Dental Effects of Salivary Leptin Levels in Normal and Overweight Patients After Twin Block Therapy  
*Ece Karaer, Gokmen Kurt*
- 11:10 OP-60/Assessment of Bisphenol-a Levels in Saliva and Plasma in Released From Fixed Orthodontic Appliances  
*Serdar Cik, Nihat Kilic*
- 11:18 OP-61/Relation of Maxillary Central Teeth with Anterior Nasal Spine and Nasal Floor: 3 Dimensional Examination  
*Saadet Cinarsoy Cigerim, Turkan Sezen Erhamza, Huseyin Melik Boyuk, Gonul Dinc, Fatih Kazanci*
- 11:26 OP-62/Comparison of Measurements on Conventional Plaster Model and Computer-aided Digital Dental Models  
*Rukiye Ozturk, Merve Goymen, Aysegul Gulec, Guzin Bilgin Buyuknacar*
- 11:34 OP-63/Post-traumatic Stress Disorder and Patient Cooperation in Orthodontics: Is There A Relationship?  
*Zeynep Coban Buyukbayraktar*
- 11:42 OP-64/The Comparison of Intraoral Photographs and Digital Scans in Terms of Icon Scores  
*Yasemin Bahar Acar, Elvan Onem Ozbilen*
- 11:50 OP-65/Evaluation of Orthodontists' Perspectives on Orthognathic Surgery Planning According to The City Where They Work  
*Emre Cakir, Merve Biyiklioglu*
- 11:58 **Question & Answer**



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Exhibition Area Tour

13:15 – 14:45

#### SESSION 14

*Chair: Gokmen Kurt*

13:15 **Multidisciplinary Management of Impacted and Transposed Canines**

**Abbas Zaher**

13:45 **Lateral Thinking: Scientific Answers to Clinical Dilemmas About Missing**

**Maxillary Lateral Incisors**

**Nehir Canigur Bavbek**

14:15 **Question & Answer**

14:45 – 15:00

Exhibition Area Tour

15:00 – 16:30

#### SESSION 15

*Chair: Ahu Acar*

15:00 **Functional Effect of Rapid Maxillary Expansion**

**Mona Sayegh Ghossoub**

15:30 **White Spot Lesions: Prevention and Treatment Methods During and After**  
**Orthodontic Treatment**

**Evren Oztas**

16:00 **Question & Answer**

16:30 – 17:00

Exhibition Area Tour

17:00 – 18:00

#### SESSION 16

*Chair: Omur Polat Ozsoy*

17:00 **Invisalign Mandibular Advancement: The New Option for Growing Patients**

**Sandra Tai**

**Question & Answer**

17:45





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Exhibition Area Tour

18:15 – 19:15

#### SESSION 17

*Chair: Arzu Ari Demirkaya*

18:15 **Clearcorrect, Trimline, Aligner Biomechanics, Basic Setup Strategy and Show Cases with Reduced use of Attachments**

**James Mah**

19:00 **Question & Answer**

**clearcorrect**  
A Straumann Group Brand

19:15 – 19:45

Awards Ceremony & Closure



Türk Ortodonti Derneđi  
Turkish Orthodontic Society

global  
experience beyond borders

**ORGANİZASYON SEKRETARYASI**

Mecidiye, Mecidiye Mah. Muallim Naci Cad,  
Katmer Sk. No.2, 34347 Beşiktaş/İstanbul

Telefon: 0 212 282 92 32 | Fax: 0 212 268 18 41

E-mail: [ortodonti@globalturizm.com.tr](mailto:ortodonti@globalturizm.com.tr) | Web: [www.globalturizm.com.tr](http://www.globalturizm.com.tr)