

## 2017 AAO Annual Session E-Posters

Electronic Posters (E-Posters) will be available for viewing throughout the Annual Session at the E-Poster booth located in the San Diego Convention Center Exhibit Hall. E-Posters will also be available for viewing on the AAO website after Annual Session until July 31, 2017. Over 500 E-Poster titles were accepted to be presented at the 2017 AAO Annual Session. This takes the place of the Poster display.

Volumetric cephalometric analysis  
Ehab Abdel Bar, et al.  
Los Angeles, CA, USA

Completion of a case with severe crowding and first premolars extraction within five appointments: a case report  
Ahmad Abdelkarim  
Jackson, MS, USA

3-dimensional facial soft tissue changes following maxillary skeletal expansion  
Sara Abedini, et al.  
Los Angeles, CA, USA

Orthodontic treatment of a patient with Kartagener Syndrome: a case report  
Pelin Acar, Mustafa Ersoz  
Malatya, Turkey

Geometric morphometric analysis of the influence of three-dimensional basicranial shape on facial asymmetry  
Sara Adabi, et al.  
San Francisco, CA, USA

Mandibular symphyseal surface area and pattern in different skeletal relationships: a 2D quantitative analysis  
Ahmed Afify, Amal Linjawi  
Jeddah, Saudi Arabia

The conformity between the arch dimensions of preformed orthodontic wires and dental arch form of a sample of Pakistani subjects  
Maheen Ahmed, et al.  
Karachi, Pakistan

Evaluation of stability after preorthodontic orthognathic surgery using cone beam computed tomography: a comparison with conventional treatment  
Hye-rim Ahn, et al.  
Seoul, South Korea

Postoperative changes of condylar position in asymmetry patients  
Hyo-Won Ahn, et al.  
Dongdaemun-gu, South Korea

Sella Turcica variations in skeletal Class I, Class II, and Class III adult subjects: a CBCT study  
Ji Hyun Ahn, Prashanti Bollu  
Henderson, NV, USA

Association of hypodontia and microdontia with taurodontism in a Nigerian population  
Olawande Ajisafe, et al.  
Lagos, Nigeria

A demographic assessment of Turkish skeletal Class III subjects's phenotypic characterization  
Sevil Akkaya, Emel Ozdemir  
Ankara, Turkey

Incisor root resorption associated with palatally-displaced maxillary canine: a conebeam tomography study  
Asma Al Emam, Elham Abu Alhaija  
Irbid, Jordan

Case: orthodontic treatment to associate condylectomy unilateral  
Maxwell Albuini, Sergio Lafigliola  
Sao Paulo, Brazil

Treatment of a Class III patient with corticotomy assisted RME and face mask  
Rukiye Alcin, Sıddık Malkoc  
Malatya, Turkey

Salivary alkaline phosphatase as a biomarker for skeletal maturity  
Nora Alhazmi, et al.  
Boston, MA, USA

Vertical and sagittal control in a patient with open bite tendency  
Aron Aliaga-Del Castillo, et al.  
Bauru, Brazil

CBCT analysis of root resorption of maxillary incisors using Connecticut intrusion arch: a prospective randomized clinical study  
Marcio Almeida, et al.  
Londrina, Brazil

Repeatability of cervical vertebral maturation method among orthodontic residents  
João Pedro Almeida, et al.  
Porto Alegre, Brazil

Evaluation of oral hygiene in orthodontic patients  
Renata Almeida-Pedrin, et al.  
Bauru, Brazil

Compliance with removable orthodontic appliances and adjuncts: a systematic review  
Dalya Al-Moghrabi, et al.  
London, United Kingdom

Extrusion of impacted maxillary canines with segmental arch mechanics: report of a case  
Selin Alpagan, Ahmet Yalcin Gungor  
Antalya, Turkey

Efficacy of chewing gum to reduce orthodontic fixed appliance pain: a randomized clinical trial  
Athbi Alqareer, et al.  
Jabriya, Kuwait

Incidence of Egyptian live births of cleft lip and/or palate in Cairo, Luxor, Aswan and New Valley governorates: a survey study  
Haytham Alswairki, et al.  
Jeddah, Egypt

Orthodontic and orthognathic surgical treatment of a patient with juvenile rheumatoid arthritis  
Ayse Altan, Ulkem Cilasun  
Kocaeli, Turkey

Treatment of a severe open bite case with extraction of four permanent first molars: a case report  
Birim Altuntas, Mustafa Ersoz  
Malatya, Turkey

Distalization for the entire maxillary and mandibular arch with temporal miniscrew anchorage, alternative treatment for dental protrusion  
Bianca Altair Alvarado Delfin  
Mexico City, Mexico

Skull base triangle in White, Black and Afrocaucasian Brazilian adolescents  
Fabiola E. Alvarez Avila, et al.  
Bauru, Brazil

Root resorption after orthodontic treatment: a case report  
Gisele Alves, et al.  
São Bernardo do Campo, Brazil

Microbiological evaluation of orthodontic wires submitted to disinfection and sterilization after clinical use  
Celha Borges Alves, Marcos Lenza  
Palmas, Brazil

Rapid maxillary expansion with the expander with differential opening: a case report  
Arthur Alves, et al.  
Bauru, Brazil

How health education can be effective to empower the orthodontics patients  
Patricia Andrade, et al.  
Florianopolis, Brazil

Unilateral protraction of lower molars using indirect anchorage with TADs  
Oscar Antelo, et al.  
Curitiba, Brazil

Correction of skeletal Class II malocclusion with the Forsus fatigue resistance device: a case report  
Gema Arana, et al.  
Guadalajara, Mexico

In vivo metal trace in orthodontic saliva patients by x-ray spectrometer  
Marília Araújo, et al.  
Londrina, Brazil

In vitro efficacy of diallyl sulfide on aggregatibacter actinomycetemcomitans biofilm on orthodontic appliances  
Anil Ardesbna, et al.  
Newark, NJ, USA

Influence of sex and age in the upper airway of Peruvian children  
Leycester Arias-Otoya, et al.  
Lima, Peru

The treatment of severe Class II malocclusion with mesiodens: a case study  
Akif Arslan, et al.  
Ordu, Turkey

Anterior open bite correction: SARPE and miniscrews for molar intrusion  
Christian Ashby Diaz, Pedro Lara Mendieta  
Miguel Hidalgo, Mexico

Sliding mechanics and extractive orthodontic planning for open bite correction  
Alejandro Avalos Chavez, et al.  
Lima, Peru

Class III treatment with a hybrid RME-mentoplate combination: two cases report  
Mehmet Aydin, et al.  
Eskisehir, Turkey

Detection of volume of root resorption in orthodontically treated patients using cone beam computed tomography  
Vivek B  
Mangalore, India

Bonding of an orthodontic bracket to zirconia using silica coated alumina particle  
Seongwon Bae, et al.  
Wonju, South Korea

Total intrusion and distalization of the maxillary arch to improve smile esthetics  
Eui Seon Baek, et al.  
Seodaemun-gu, South Korea

Treatment of a case of mandibular fibrous dysplasia with extraction of a premolar and canine substitution  
Zuhair Bakhsh  
Jeddah, Saudi Arabia

Clinical case: surgical-orthodontic treatment (surgery first)  
Pedro Ballinas Roblero, Isaac Guzmán Valdivia  
Mexico City, Mexico

Evaluation of oxidative stress biomarkers in patients treated with rapid maxillary expansion  
Burcu Balos Tuncer, et al.  
Ankara, Turkey

Assessment of airway changes after anterior maxillary distraction in cleft patients: a CBCT study  
Nandish Kumar Bandadi  
Mangalore, India

Evaluation of the intraexaminer and interexaminer reliabilities of different lower border lines of pharyngeal airway: a CBCT study  
Shahin Baradaranhashemi, et al.  
Adana, Turkey

Ortho-surgical treatment of maxillary lateral incisor agenesis  
Jamilie Barbosa, et al.  
Marabá, Brazil

Open bite orthodontic treatment  
Denise Barrera Pérez  
Mexico City, Mexico

Dimensions of impacted mandibular third molar follicles with different angulation: a CBCT study  
Marlene Barroso, et al.  
Lima, Peru

Orthodontic treatment of a patient with a supernumerary tooth located in the anterior maxillary region  
Barış Başer, et al.  
Trabzon, Turkey

Perceptions of case complexity among orthodontists, dentists, orthodontic residents, and dental students  
Allison Batarse, et al.  
Houston, TX, USA

Profile changes in Class III malocclusion treated with Roth and biofunctional techniques  
Déric Batista, et al.  
Maringa, Brazil

The effects of fan type rapid maxillary expansion appliance on point a: report of a case  
Ece Bay, Ahmet Yalcin Gungor  
Antalya, Turkey

Comparison of arch forms between African American and North American Caucasian populations  
Jordan Benton, et al.  
New Orleans, LA, USA

Surgical and orthodontic treatment of a skeletal Class III patient  
Iveth Berliner, et al.  
Quito, Ecuador

Early treatment of Class II malocclusion using functional appliance  
Maria Monica Beti  
La Plata, Argentina

Expansion of the mandibular arch with RPE treatment  
Anna Betlej  
Kędzierzyn-Koźle, Poland

Traction canine impacted with optimized arc assistance  
Gilberto Bezerra, et al.  
Sao Paulo, Brazil

Periodontal therapy in the orthodontic planning  
Maria Bianchi, et al.  
La Plata, Argentina

Low-level laser therapy for treatment of neurosensory disorders after orthognathic surgery: a systematic review of randomized clinical trials  
Marcos Alan Bittencourt, et al.  
Salvador, Brazil

The Klammt's elastic open activator to intercept a Class II, 1 malocclusion  
Aristeu Bittencourt-Neto, et al.  
Curitiba, Brazil

Stability of Class II malocclusion treatment with Forsus: case report  
Jessica Bocato, et al.  
Londrina, Brazil

USA and Canada faculty satisfaction investigation  
Samantha Bogle, et al.  
Newark, NJ, USA

Orthosurgical treatment of bilateral idiopathic condylar resorption: a case report  
Barbara Bomfim, et al.  
Rio de Janeiro, Brazil

Condylar remodeling by neurophysiological treatment in juvenile idiopathic arthritic cases  
Andrea Bono  
La Plata, Argentina

Comparison of 3D surface imaging versus conventional photography in the esthetic perception of profiles  
Catharine Borders, et al.  
Houston, TX, USA

Challenges of orthodontic re-treatment  
Jose Bosio, et al.  
Newark, NJ, USA

Creation of a 3D average for 13 year old males and females using CBCT data  
Lea Bou Serhal, et al.  
Cleveland Heights, OH, USA

Orthodontic surgical treatment of anterior open bite and Class III malocclusion  
Mohamad Bou Wadi, et al.  
Curitiba, Brazil

Effects of cocoa-enriched diet on orofacial pain in a murine model  
Laura Bowden, John Neubert  
Gainesville, FL, USA

Treatment of a patient with mesiodens using fan type expansion appliance  
Veda Boynueğri, Mehmet Birol Özel  
Trabzon, Turkey

Orthopedic and orthodontic treatment of skeletal Class II malocclusion: case report  
Tuğçe Boz, Ahmet Yalcin Gungor  
Antalya, Turkey

Maxillary molar intrusion with mini implant: five years follow up  
Fausto Bramante, et al.  
Bauru, Brazil

Development of 3D cell culture model to explore osteoblast response to mechanical stress  
Damien Brézulier, et al.  
Rennes, France

Effects of Class II malocclusion correction with Mara appliance and activator-headgear  
Deborah Brindeiro de Brito, et al.  
Bauru, Brazil

Effects of face mask combined with alternate rapid maxillary expansions and constrictions (Alt-RAMEC) protocol on skeletal Class III malocclusion: case report  
Muhammed Hilmi Buyukcavus, Mevlut Celikoglu  
Antalya, Turkey

Orthodontic treatment of Class II division 2 malocclusion in adult patients: a case report  
Tatiana Caamones, Isaac Guzmán Valdivia  
Mexico City, Mexico

Perception of smile midline deviations by laypersons and orthodontists  
Sandra Cabello-Pérez, et al.  
Lima, Peru

Assessment of facial soft tissue changes following orthognathic surgery using three-dimensional images of patient with Class III malocclusion  
Ezgi Cakir, et al.  
Malatya, Turkey

Gingival recession associated with a 3x3 hygienic retainer: a case report  
Louise Calil, et al.  
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Randomized clinical trial comparing anterior retraction and control of anchorage in masse retraction and in two step retraction during space closure in Class I biprotrusion patients  
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Araraquara, Brazil

Comparison of the opening of the palatal suture with MSE (Maxillary Skeletal Expander) and Hyrax appliance using CBCT imaging  
Daniele Cantarella, et al.  
Los Angeles, CA, USA

Orthopedic and orthodontic treatment of a skeletal Class III pre-adolescent patient  
Maria Caro, Roberto Ruiz  
Mexico City, Mexico

Successful management of skeletal Class III dolichofacial pattern: a 10-year follow-up  
Karla Carpio Horta, et al.  
Ribeirão Preto, Brazil

Assessment of masticatory efficiency in cases of anterior openbite using colourimetric capsules  
Tatyane Castro, et al.  
Goiânia, Brazil

Forced eruption of impacted dilacerated upper central incisor using fixed orthodontic treatment: case report  
Mevlut Celikoglu, Muhammed Hilmi Buyukcavus  
Antalya, Turkey

Effects of pulsed electromagnetic field for pain caused by placement of initial orthodontic wire  
Jong moon Chae, et al.  
Daejeon, South Korea

Treatment of Class II subdivision malocclusion with asymmetric extractions  
Adenilson Chagas, et al.  
Maringa, Brazil

Complicated orthodontic and surgical management in treating a female adult patient with ankylosed temporomandibular joints, mandibular hypoplasia and obstructive sleep apnea

Yu-Jen Chang, et al.

Kaohsiung, Taiwan

Comparison of shear-bond strength of brackets with diverse base technologies

Gaurang Chaudhary, et al.

San Antonio, TX, USA

3-year follow-up of a UCLP patient treated with maxillary protraction and alveolar bone grafting: an approach using the power of growth potential

Zhengxi Chen, et al.

Shanghai, China

The effects of orthodontic extraction on smiling esthetics in different malocclusions

Hsin-Chung Cheng

Taipei, Taiwan

Cephalometric analysis without ionizing radiation on human skull using MRI: a pilot in vitro study

Taras Chepura, et al.

Erlangen, Germany

Early treatment of Class II malocclusion with fixed twin block

Alessandra Chieco, et al.

Cagliari, Italy

A study on the change of perception to smile esthetics in orthodontic patients

Jin Hyoung Cho, et al.

Sanbon, South Korea

Digitally comparing traditional two point measurements with curvilinear measurements in relation to the Bolton analysis

Chance Choate, et al.

Houston, TX, USA

Prevalence and risk factors of tooth discolouration after orthognathic surgery: a retrospective study of 1455 patients

Won-Cheul Choi

Seoul, South Korea

Effect of growth hormone treatment on craniofacial growth in children: idiopathic short stature versus growth hormone deficiency

Sung-Hwan Choi, et al.

Seoul, South Korea

Factors influencing the absence of the interproximal dental papilla

Wonjun Choi, et al.

Seoul, South Korea

Cephalometric configuration of the occlusal plane in patients with anterior open bite

Yoon Jeong Choi, et al.

Seodaemun-gu, South Korea

Accuracy of customized bracket position based on 3D printed transfer jigs

Hye-Young Choi, et al.

Seoul, South Korea



Mini implant adjuncts in preprosthodontic orthodontic treatment  
Rohit Chopra  
New Delhi, India

Mandibular posterior asymmetry index in panoramic radiography  
Dong-Hwa Chung  
Chunan, South Korea

Soft tissue thickness changes after Herbst treatment  
Gökhan Çoban, Abdullah Ekizer  
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Relation of the morphology of the mandibular condyle through panoramic radiography and cone beam computer tomography images  
Luis Cueva, et al.  
Lima, Peru

Orthodontic correction of a Class III malocclusion in a 12 years old patient with face mask  
Ana Cristina Cueva Segarra, et al.  
Guadalajara, Mexico

Microbial evaluation of esthetic orthodontic ligature by checkerboard DNA-DNA hybridization: in vivo study  
Arthur Cunha, et al.  
Ribeirão Preto, Brazil

Induction of ankylosis in the incisor for orthodontic tooth movement in rats  
Osmar Cuoghi, et al.  
Araçatuba, Brazil

Skeletal and dentoalveolar bilateral dimensions of patients with unilateral impacted maxillary canines  
Mariel Franchesca D'Oleo Aracena, et al.  
Santo Domingo, Dominican Republic

Orthodontic treatment in a disabled patient  
Ilhan Metin Dagsuyu  
Eskisehir, Turkey

Comparison of surgical and non-surgical orthodontic treatment approaches on occlusal and cephalometric outcomes in patients with severe Class II division I malocclusions  
Sheila Daniels, et al.  
Iowa City, IA, USA

Evaluation of the buccal bone in anterior teeth using different CBCT devices  
Luciana Dantas, et al.  
Salvador, Brazil

Evaluation of hyaline areas caused by induced tooth movement  
Marcos De Mendonça, et al.  
Araçatuba, Brazil

Headgear Herbst treatment of a severe high-angle Class II malocclusion  
Frederico Deliberador, et al.  
Curitiba, Brazil

Monitoring the effects on soft tissues during RME therapy with 3D photogrammetric high resolution face scanners

Eliana Di Gioia, et al.

Bari, Italy

Oral deleterious habits in anterior open bite patients

Flaviana Dias, et al.

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Comparison of speech and orthodontic results in 5 year old patients with unilateral CLP: results of a prospective clinical trial in two different cleft palate centers

Ann Dieckmann, et al.

Rostock, Germany

Effect of the surface coating of orthodontic mini-implants on inflammation, osseointegration and rate of loss investigated in beagle dogs

Kathrin Duske, et al.

Rostock, Germany

Mesialization of mandibular molars with mini-implants

Carlos Roberto Dutra, et al.

Maringa, Brazil

Maternal supplementary folate intake, methylenetetrahydrofolate reductase (MTHFR) C677T and A1298C polymorphisms and the risk of orofacial cleft

Asgar Ebadifar, et al.

Tehran, Iran

Management of congenitally missing lateral incisors with orthodontics and reshaping of canines: a case report

Burcu Ektiren, Siddik Malkoc

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Cone beam computed tomography assessment of the relation between sex and morphology in patients with impacted maxillary canine

Gihan El Desouky, Waleed Refaat

Cairo, Egypt

Assessment of histopathological effect of local statin injection on the tissue surrounding mini-implants in rats

Waleed El Sayed, Mohamed Nadim

Cairo, Egypt

Treatment of Class III cases with clear aligners

Tarek El-Bialy, Thamer Alkhadra

Edmonton, AB, Canada

Soft tissue analysis of fetal alcohol syndrome (FAS) and williams syndrome patients and their deviation from norm

Wael Elias

Jeddah, Saudi Arabia

Assessment of mechanical properties of orthodontics miniscrews during insertion and removal

Abbad Elkadi, et al.

Ismailia, Egypt

Utilizing maxillary skeletal expander (MSE) for skeletal expansion, Class III correction, and relieving severe crowding as an alternative to surgical or extraction approaches in non-growing patients  
Islam Elkenawy, et al.  
Los Angeles, CA, USA

Anatomical assessment of the mandibular buccal shelf for miniscrew insertion  
Tarek Elshebiny, Sebastian Baumgaertel  
Cleveland, OH, USA

Treatment of a patient with crossbite by a single removable appliance: report of a case  
Göksu Emek, Ahmet Yalcin Gungor  
Antalya, Turkey

Exosomal proteins as potential diagnostic markers in root resorption  
Alyssa Emory-Carter, et al.  
Gainesville, FL, USA

Assessing shear bond strength of orthodontic brackets using different etching protocols on hybrid crown materials  
Matthew Epperson, et al.  
New Orleans, LA, USA

Correction of a skeletal Class II malocclusion with bi-maxillary protrusion  
Cesar Escalante, et al.  
Zapopan, Mexico

Pendex-based orthodontic treatment of patients with submucosal cleft palate (SCP)  
Liliana Esparza, Rolando González  
Mexico City, Mexico

Orthopedic correction in Class III combined case  
Patricia Estrada, Roberto Ruíz  
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Management of gingival enlargement in orthodontic patients with adjunct use of diode laser during dental prophylaxis  
Rosa Estrada, et al.  
New York, NY, USA

Comparison of changes in arch dimensions with conventional appliances and Damon system  
Izabel Falcão, et al.  
Maringa, Brazil

Roth prescription and variations between manufacturers  
Solange Fantini, Kamila Cristino  
São Paulo, Brazil

The association between palatal rugae pattern and dental malocclusion  
Farheen Fatima, et al.  
Karachi, Pakistan

Does open-fixed lip-bumper produce stable outcomes in the longterm  
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Maxillary protraction in patients with unilateral cleft lip and palate: evaluation of long-term results  
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When is a conservative treatment the best approach  
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Analysis of bone mandibular symphysis in different facial growth pattern  
Thais Fernandes, et al.  
Londrina, Brazil

Three-dimensional comparison of dental effects of two mechanics for space closure: a preliminary study  
Luciana Fernandes, et al.  
Rio de Janeiro, Brazil

Anterior open bite treatment with skeletal anchorage  
Ana Lucia Fernandes da Silva, et al.  
Maringa, Brazil

Orthodontic treatment of bilaterally impacted maxillary central incisor with an inverted position  
Maria Jose Fernández Perez, Pablo Galindo-Moreno  
Granada, Spain

Prosthetic temporary rehabilitation in patient with anterior teeth agenesis  
Natalia Ferreira, et al.  
Belo Horizonte, Brazil

A treatment for effectiveness OSA / OSAHS with intraoral appliances  
Ilton Ferreira David Morales, Sergio lafigliola  
São Paulo, Brazil

Class II molar relationship treatment with ectopic upper canines  
Daniela Fisher, et al.  
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Relationships between mandibular anterior alveolar bone thickness at different sites as assessed with cone-beam computed tomography  
Pimchanok Foosiri, Korapin Mahatumarat  
Bangkok, Thailand

Facial asymmetry from the deciduous through the permanent dentition  
Isabelle Fornazari, et al.  
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Treatment efficiency of Class I four-premolar and Class II malocclusion two maxillary premolar extraction protocols  
Rodolfo Francisco, et al.  
Bauru, Brazil

Severe open bite adult patient treated with mini-implants and multi-loop edgewise arch wire  
Benedito Freitas, et al.  
Sao Luís, Brazil

Full rehabilitation of a patient with cleidocranial dysplasia: a clinical report  
Carolina Frota, et al.  
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Correlation of primary tooth wear and TMJ dysfunction variables  
Danielle Fry, et al.  
Detroit, MI, USA

Smile attractiveness of different gingival zeniths evaluated by laypeople, dentists and orthodontists  
Bruna Furquim, et al.  
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Craniofacial morphology and overnight sleep polysomnographic (PSG) parameters in children with obstructive sleep apnea (OSA)  
Angela Galeotti, et al.  
Rome, Italy

Class II skeletal treatment: clinical case report  
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Zapopan, Mexico

Le Fort I advancement for mandibular prognathism treatment, rather than a mandibular set back surgery: the Ortiz-Monasterio thoughts  
Salvador García-López, et al.  
Mexico City, Mexico

Accuracy of CBCT on mandibular condyle measurements, a human cadaver study  
Verónica García-Sanz, et al.  
Valencia, Spain

Does the occlusal scheme change with the anterior dental guidance  
Julio Carlos Garnica Palazuelos, et al.  
Culiacan, Mexico

Micro-osteoperforations to accelerate space closure in patients with bicuspid extraction and orthodontic treatment: case series  
César Garrigós, Isaac Guzmán  
São Luiz, Mexico

Comparative in vitro analysis of enamel damage after debonding ceramic vs. metallic brackets  
Daniel Garrison, et al.  
Jacksonville, FL, USA

The effect of quarterly sodium fluoride application on the DMFS score of patients undergoing orthodontic treatment: a clinical trial  
Erin Gearity  
Port Washington, NY, USA

Traditional and efficient facemask therapy in an early mixed Class III malocclusion  
Lais Giacobbo, et al.  
Curitiba, Brazil

Application of the Pitts' protocol in an anterior open bite case  
Maria Celina Gil, et al.  
La Plata, Argentina

Treatment of oligodontia by using fixed orthodontic appliances and prosthetic rehabilitation: a case report and 5 months follow up  
Yesim Yasemin Gollerli, et al.  
Ordu, Turkey

Effect of occlusal changes on sagittal condylar position using CBCT  
Daniel Gross, et al.  
Oak Park, MI, USA

Skeletal anchorage in a rat model of orthodontic tooth movement (OTM)  
Sudha Gudhimella, et al.  
Lexington, KY, USA

Correlation between alveolar bone thickness and orthodontic movement of the maxillary incisors  
Esteban Danilo Guerra, et al.  
São Paulo, Brazil

Orthodontic-orthognathic surgical treatment of a Class II skeletal malocclusion with anterior open bite: a case report  
Andrea Guerra, et al.  
Mexico City, Mexico

Correction of laterognathia and prognathism due to condylar hyperplasia  
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Mexico City, Mexico

Treatment of the patient with anterior cross bite and ichthyosis vulgaris disease by using fixed orthodontic technique without extraction: case report  
Burak Gülnar  
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Extrusion of maxillary incisors by using mini-screws: a case report  
Duygu Gunes, Ali İhya Karaman  
Kocaeli, Turkey

Treatment of a Class II division 1 malocclusion with combination of monoblock and fixed orthodontic appliance: a case report  
Ahmet Yalcin Gungor, Gizem Bayrak  
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Treatment of a patient with unilateral Class II malocclusion, with unilateral fixed functional appliance: report of a case  
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The effect of maxillary expansion on the maxillary and mandibular dimensions and the upper airway  
Jing Guo, et al.  
Jinan, China

Effects of combined use of total-etch and self-etch primer on bracket bonding  
Eren Gürses, Ahmet Yagci  
Kayseri, Turkey

Premaxillary osteotomy: dental and skeletal changes  
Claudia Hahn, et al.  
Barcelona, Spain

Management of Class III malocclusion in growing patient  
Himawan Halim  
Jakarta, Indonesia

Effect of a compensating curve on controlled movement of the anterior teeth in sliding mechanics: simulation for long-term tooth movement using finite element method  
Ryo Hamanaka, et al.  
Nagasaki-shi, Japan

The esthetic perception, acceptability, and economic value of orthodontic appliances by laypeople  
Khaled Hamdallah, et al.  
Jacksonville, FL, USA

Total distalization for the treatment of anterior open bite in hyperdivergent patient  
Seung-Hee Han, et al.  
Seoul, South Korea

Removing orthodontic appliances before MRI, is it necessary  
Majd Hasanin, et al.  
Buffalo, NY, USA

Changes of condylar position after three months of treatment with posterior bite turbos  
Santiago Herrera-Guardiola, German Puerta  
Cali, Colombia

Orthodontic camouflage in the Class III malocclusion with posterior and anterior crossbite  
Rodrigo Higa, et al.  
Bauru, Brazil

Full mouth rehabilitation with interdisciplinary management: a case report  
Chih-Liang (Julian) Ho, Ming-Shu Lee  
Banqiao, New Taipei City, Taiwan

The C plate: new anchorage options for the mandible  
Alexander Hohensee  
Bingen, Germany

Evaluating the efficiency of new bracket base designs comparing different test methods  
Marcus Holzmeier, et al.  
Wuerzburg, Germany

The association between cranial base flexure and oropharyngeal airway dimensions in patients with retrognathic mandible  
Myat Htut, et al.  
Henderson, NV, USA

Histomorphometric evaluation on atrophic alveolar ridge altered by root thrusting and alveolar decortication in beagles  
Dong-Hyun Hwang, et al.  
Seoul, South Korea

Predictors of sleep disordered breathing in children: the panic study  
Tiina Ikavalko, et al.  
Kuopio, Finland

Treatment planning of impacted canine case with digital modeling and virtual setup  
Joon Im, et al.  
Wonju, South Korea

The failure of fixed orthodontic retainers: frequency, pattern and associated factors  
Sarah Irfan, et al.  
Karachi, Pakistan

An orthodontic approach for damaged central incisors caused by impacted canines  
Hitomi Ishii, et al.  
Himeji, Japan

Changes in cranio maxillary and circum maxillary suture system in relation to rapid palatal expansion and effect on mandibular arch: a 3D study  
Pradeep Jain, et al.  
Jaipur, India

Stability of skeletal Class III malocclusion after orthognathic surgery with minimal orthodontics: mandibular setback vs two-jaw surgery  
Moon Jung Jang, Nam-Ki Lee  
Seongnam, South Korea

Influence of maxillary and mandibular posterior discrepancy in anterior open bite severity  
Guilherme Janson, et al.  
Bauru, Brazil

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