Electronic Posters (E-Posters) will be available for viewing throughout the Annual Session at the E-Poster booth located in the Walter E. Washington Convention Center Exhibit Hall. E-Posters will also be available for viewing on the AAO website after Annual Session until July 31, 2018. Over 350 E-Poster titles were accepted to be presented at the 2018 AAO Annual Session. This takes the place of the Poster display.

Potential of cone-beam computed tomography in altering treatment planning of an impacted canine: a case report
Ahmad Abdelkarim
Jackson, MS, USA

The use of piezoelectric unit in debonding orthodontic brackets
Khaled Aboulazm
Alexandria, Egypt

Changes in pulpal blood flow of teeth during alignment stage of fixed orthodontic treatment
Elham AbuAlhaija, et al.
Irbid, Jordan

Assessment of orthodontic treatment need for children aged 6-12 compared with parents and children perception of existing malocclusion
Aiman Abufanas, et al.
Dubai, United Arab Emirates

Surgical management of patient Class III skeletal with primary surgery protocol
Ivonne Acosta Bustos, Fabiola Hernández Girón
Mexico City, Mexico

Inter-arch width ratio to measure transverse jaw relationships
Ahmed Afify, et al.
Jeddah, Saudi Arabia

Profile attractiveness comparison of Class III malocclusion treated compensatorily and surgical simulation
Felipe Agostini, et al.
Maringá, Brazil

Condylar hyperplasia, effects and treatment. a case report
Luis Bernardo Aguilar Frías, Isaac Guzmán Valdivia Gómez
Mexico City, Mexico

Transverse dental compensation related to sagittal and transverse skeletal discrepancies in skeletal Class III patients
Jaechan Ahn, et al.
Seodaemun-gu, Seoul, South Korea

Correlation between the cross-sectional morphology of the mandible and the three-dimensional facial skeletal pattern: a structural equation modeling approach
Miso Ahn, et al.
Pusan, South Korea

Skeletal and dental characteristics of orthodontic patients with deep curve of Spee: classification by cluster analysis
Ayse Selenge Akbulut, et al.
Seoul, South Korea
Assessment of the impact of maxillary lateral incisors proportion and buccal corridor width on the perception of smile esthetics
Ebru Akgül, Koray Halicioglu
Bolu, Turkey

Evaluation of impacted maxillary canine position and incisors root resorption using panoramic radiography and cone beam computed tomography
Sara Al Thobiani, Wafa Al Faleh
Riyadh, Saudi Arabia

Facial paralysis: a social rehabilitation
Alexandre Algarve, et al.
Maringa, Brazil

Maxillary posterior teeth intrusion with TADs in open bite malocclusion
Aron Aliaga-Del Castillo, et al.
Bauru, Brazil

Does micro-osteoperforation accelerate tooth movement? a randomized controlled clinical trial
Amal Alkebsi, et al.
Dammam, Saudi Arabia

Results optimization after orthodontic treatment. interdisciplinary approach orthodontics - periodontics - restorative dentistry
Jessica Almeida, et al.
Bauru, Brazil

Distalization of molars with pendulum appliance and lip bumper: case report
Thagid Almeida, et al.
Feira de Santana, Brazil

Cephalometric dental values for Kuwaiti adults with a malocclusion
Meshari AlNafisi, et al.
Kuwait, Kuwait

Alternative method of the decementation of sapphire monocrystalline and polycrystalline shapire brackets
Belen Alsina, Maria Beti
La Plata, Argentina

Class II malocclusion treatment with the Carriere motion appliance: a case report
Fabiola Alvarez Avila, et al.
Bauru, Brazil

Treatment of Class II subdivision malocclusion and anterior open bite with extraction of four premolars
Elen Caroline Alves, et al.
Maringa, Brazil

Dentoskeletal effects of the expander with differential opening: a randomized clinical trial
Arthur Alves, et al.
Natal, Brazil

Dental compensation in a Class III skeletal patient. case report
Daphne Amaral Aleman, et al.
Guadalajara, Mexico
Patient-specific finite element analysis: a novel approach
Makram Ammoury, et al.
Beirut, Lebanon

Biomechanics with extractions of three mandibular teeth
Oscar Antelo, et al.
Curitiba, Brazil

Orthodontic correction of skeletal Class III malocclusion with lip biphosphorusion
Gema Arana Vanegas, et al.
Guadalajara, Mexico

Three-dimensional assessment of palatal volume after treatment with self-ligating system with or without rapid maxillary expansion
Anil Ardesna, Satish Gujjarlapudi
Newark, NJ, USA

The assessment short term effects of three different type self-ligating brackets in the Class I malocclusion moderate anterior crowding
Akif Arslan, et al.
Ordu, Turkey

Smile width evaluation on full face and lower face, orthodontist vs. laypeople preference
Saeed Asiri, Sawsan Tabbaa
Jacksonville, FL, USA

Myeloperoxidase gene expression appilcating different orthodontic forces, animal model
Salma Avila, et al.
Guadalajara, Mexico

Quantitative and perceived visual changes of the nasolabial fold following orthodontic retraction of lip protrusion
Eui Seon Baek, et al.
Gangnam-gu, Seoul, South Korea

Prediction of the lip response in Class I adolescent and adults treated with non-extraction
Kaveh Baharvand, et al.
Jacksonville, FL, USA

Camouflage orthodontic treatment of Class III malocclusion with asymmetrical premolars extraction
Icris Balbuueno, et al.
Porto Velho, Brazil

Evaluation of the intraexaminer and interexaminer reliabilities of different lower border planes used for volumetric measurement of pharyngeal airway: a CBCT study
Shahin Baradararan Hashemi, et al.
Adana, Turkey

Ortho-surgical treatment of Class III malocclusion in two stages: case report
Betina Behs, et al.
Porto Alegre, Brazil

Class II malocclusion treated with dual force distalizer skeletal anchored: case report
Silvio Bellini-Pereira, et al.
Bauru, Brazil
Modified Haas appliance with palatal crib in patient with open bite and end to end posterior bite - case report
Laila Berni, et al.
Bauru, Brazil

Neuromuscular orthodontic treatment
Maria Bianchi, et al.
La Plata, Argentina

Stomatognathic system involvement in rheumatoid arthritis patients
Andrea Bono
La Plata, Argentina

Influence of cleft dimensions at birth on occlusal relations before orthodontics in unilateral cleft lip and palate patients.
Susanna Botticelli, et al.
Aarhus C, Denmark

Unplanned buccolingual angulation changes of maxillary and mandibular first molars after orthodontic treatment.
Rany Bous, et al.
Cleveland, OH, USA

The effect of a reward system on compliance among Medicaid-covered orthodontic patients
Lorraine Brenner, Moonyoung Lee
Bronx, NY, USA

Class II malocclusion treatment with Forsus: case report
Deborah Brindeiro de Brito, et al.
Bauru, Brazil

Accuracy of computer aided surgical simulation (CASS) planning program for orthognathic surgery in Class III skeletal relationship - a pilot study
Rajapath Buaphan, et al.
Bangkok, Thailand

The effect of the posterior fixed compomer raise bite on unoccluded teeth
Thanya Bumrungsak, Udom Thongudomporn
Hatayai, Thailand

Agreement on facial profile perception among orthodontic patients
Phonlakorn Buranprasertsuk, et al.
Rachatewi, Thailand

Timely resolution to a complex malocclusion
Andrea Cabuli, Maria Celina Gil
La Plata, Argentina

Longitudinal periodontal assessment of tractioned maxillary central incisors
Louise Calil, et al.
Bauru, Brazil

Referral patterns of pediatric dentists and general practitioners to orthodontists based on case complexity
Katie Camacho, et al.
Houston, TX, USA
Replacement of upper lateral incisors with canines
Diego Arturo Cárdenas Muñoz, et al.
Guadalajara, Mexico

Dental autotransplantation as an alternative to premature loss of upper right central - case report
Aurora Castañeda Yañez, Mario Katagiri Katagiri
Mexico, Mexico

Comparison of maxillary cortical bone thickness and interradicular distances in patients with skeletal Class I and II, using cone-beam tomography
Sarai Castrejon Jaime, Aida Nabile Silva Zatarain
Tepic, Mexico

Orthodontic-surgical correction of a skeletal Class III with posterior crossbite case report
Andrea Castro Granados, Isaac Guzmán Valdivia Gómez
Mexico City, Mexico

Correction of the lower midline with mesialization of molar anchored in mini-screw
Bruno Ceribelli, et al.
Maringá, Brazil

Anterior open bite correction in a skeletal Class II division II patient
Evelin Cervantes, Monica Covarrubias
Guadalajara, Mexico

Resistance evaluation of new mini-implants and autoclaved after use
Adenilson Chagas, et al.
Cha Grande, Brazil

Effect of the bone-anchored rapid maxillary expansion with different screw position on the nasomaxillary complex - a finite element method analysis
Chen-Jung Chang, et al.
Tainan, Taiwan

Using trans-cutaneous rigid external distraction to treat severe maxillary hypoplasia adult patient
YuJen Chang
Kaohsiung, Taiwan

Vertical control with TADs in a high-angle Class II growing patient
Jui-Heng Chang, et al.
Taipei, Taiwan

Conventional orthodontic treatment combined with 3D scanning and digital model set up technique
Steven Chang, Chung-Chen Yao
Taipei, Taiwan

The effects of three different forces on the expression of RANKL and OPG in the human osteoblast-like cells
Chatchai Chatmahamongkol, et al.
Songkhla, Thailand

Correction of deep overbite by using a modified Nance appliance in an adult Class II division 2 patient with a fenestration defect
Zhengxi Chen, et al.
Shanghai, China
Treatment of labially impacted canine with space deficiency and skeletal Class III malocclusion, a case report
Tai Chang Chen, Chih-Liang (Julian) Ho
New Taipei City, Taiwan

Non-surgical management of skeletal Class III malocclusion: a case report
Shih Chieh Chen, et al.
Kaohsiung, Taiwan

The study of affecting factors on the orthodontic virtual patients computer learning system
Hsin-Chung Cheng, Pei-Hsuan Chen
Taipei, Taiwan

Cleft palate phenotype in trichorhinophalangeal syndrome
Kah Yan (Alyssa) Cho, et al.
Pittsburgh, PA, USA

Long-term changes in mandibular and facial widths after mandibular setback surgery using intraoral vertical ramus osteotomy
Yoon Jeong Choi, et al.
Seoul, South Korea

Accuracy of root movement estimation using composite tooth model
In-Sun Choi, et al.
Gwangju, South Korea

Molar intrusion- a paradigm shift in the orthodontic treatment planning
Rohit Chopra
New Delhi, India

Correction of completely transposition impacted maxillary canine
Chien-Yu Chou, et al.
Taipei, Taiwan

Comparison of the patient satisfaction between bracketless orthodontic treatment (Ewha-wireligner) and traditional fixed orthodontic treatment
Youn-Sic Chun, et al.
Mokdong, South Korea

Comparative evaluation of midfacial profile changes with two maxillary protraction protocols : tooth-borne versus skeletal anchored facemask
Dong Hwa Chung, Sang Hoon Lee
Chunan, South Korea

Anterior open bite correction, clinical case report
Fernando Collins, Jacqueline Adelina Rodríguez Chávez
Guadalajara, Mexico

Bleaching-dependent color stability of teeth stained upon white spot lesion treatment
Peyton Cometti, et al.
Houston, TX, USA

Perception of facial profile changes in Class II patients treated with the Forsus™ orthodontic system
Ana Claudia Conti, et al.
Bauru, Brazil
Bone evaluation of lower canines and upper first molars region in cleft and non cleft patients
Renata Córdova Petersen, et al.
Porto Alegre, Brazil

Orthodontic-surgical treatment in a long face, Class III, anterior openbite, anterior and posterior crossbite patient with 7 years follow-up
Marcelo Correa, Claudio Jodas
Campo Belo, Brazil

Characterization of torque in self-ligating Damon Q brackets
Fatima Cota, et al.
Tijuana, Mexico

Class II malocclusion treatment with Jasper jumper and twin force bite corrector followed by fixed appliance: a comparative study
Bastiani Cristina, et al.
Bauru, Brazil

Long term patient centered outcome measures following treatment with oral appliance therapy for obstructive sleep apnea
Carolyn Cronin, Ceib Phillips
Chapel Hill, NC, USA

Management of patient skeletal Class III by orthodontic-surgical treatment
Edgar Omar Cuevas Mendoza, et al.
Guadalajara, Mexico

The effect of text message reminders on retainer wear compliance
Seth Culler, et al.
Jacksonville, FL, USA

Correlation between pain and tissue reactions of induced tooth movement
Osmar Cuoghi, et al.
Araçatuba, Brazil

A longitudinal investigation of nasolabial esthetic changes with and without revision surgery in non-syndromic UCLP
Wasna Dabbagh, Ross Long Jr.
Philadelphia, PA, USA

Deep bite correction in skeletal Class II - case report
Danika Priscilla De Alba Anaya, et al.
Guadalajara, Mexico

Correction of bilateral posterior crossbite with hyrax - clinical case report
Juan Pablo De Obeso, et al.
Zapoapan, Mexico

Condylar head inclination and its relationship to the position of the articular disc in the temporomandibular joint
Adriana De Stefano, et al.
Caracas, Capital, Venezuela
Orthodontic-surgical treatment of a Class II malocclusion due to retrognathism and micrognathism: case report
Juan Delgado Jauregui, Fabiola Hernández Girón
Mexico City, Mexico

3D non-invasive facial soft tissue symmetry analysis during asymmetric expansion therapy in U.C.L.P. patients
Eliana Di Gioia
Bari, Italy

Stability of early anterior open bite treatment with palatal cribs
Flaviana Dias, et al.
Londrina, Brazil

The psychosocial impact of malocclusion: a cross sectional study
Maria Doughan, et al.
Beirut, Lebanon

A comparison of orthodontic band cement application techniques on gingival marginal excess
David Dubiner, et al.
Jacksonville, FL, USA

Modified Nance appliance used as an extrusion anchorage for impacted central incisors
Magdalena Dubowik, et al.
Wroclaw, Poland

Class II malocclusion correction using Forsus appliance - case report
Lucia Duenas, et al.
Guadalajara, Mexico

Effects of insertion angle and body shape on the stability of orthodontic miniscrews
Cansu Düzgün, Serdar Toroğlu
Adana, Turkey

Immediate and long-term effects of facemask therapy
Robin El Khoury, Joseph Ghafari
Beirut, Lebanon

Frictional resistance of active and passive aesthetic self-ligating brackets with different orthodontic wire sizes
Abbadi El-Kadi, et al.
Ismailia, Egypt

Anterior alveolus changes associated with incisor retraction using bone anchorage
Mohammed Elnagar, et al.
Chicago, IL, USA

Correction of a deep bite in Class I patients - case report
Cesar Escalante, et al.
Guadalajara, Mexico

Treatment of Class II malocclusion with twin force bite corrector
Izabel Falcão, et al.
Maringá, Brazil
3D facial asymmetry assessment of unilateral posterior crossbite patients pre-and post-orthodontic treatment
Yi Fan, et al.
Melbourne, Australia

10 years post-treatment follow-up in twins with vertical growth pattern
Camila Fernanda T da Silva Martinez, et al.
Avaré, Brazil

Accuracy of digital models of alginate impressions according to time elapsed after the impressions
Thais Fernandes, et al.
Londrina, Brazil

Botulinum toxin and face lift, facial paralysis treatment: transforming a life
Francisco Fitarelli, et al.
Maringa, Brazil

Considerations in the orthodontic treatment of a Down’s Syndrome patient: clinical case report
Maria Flores, Fabiola Hernández Girón
Mexico City, Mexico

Three dimensional comparison of the maxillary dental arch in malocclusion I and II
Claudia Flores Carrillo, Jaime Fabián Gutiérrez Rojo
Tepic, Mexico

Long-term stability of Class II treatment with the Mara appliance
Camilla Foncatti, et al.
Bauru, Brazil

Evaluation of arch form stability after treatment with self-ligating Damon system brackets
Karina Freitas, et al.
Maringá, Brazil

Evaluation of occlusal stability after treatment with self-ligating Damon system brackets
Bruna Furquim, et al.
Bauru, Brazil

Evaluation of the effect of systemic omega-3 polyunsaturated fatty acids on post-orthodontic relapse in a rabbit model
Asser Gad, et al.
Alexandria, Egypt

3D volumetric study of upper airway before and after oral appliance therapy of obstructive sleep apnoea syndrome (OSAS)
Umberto Garagiola, et al.
Milan, Italy

Rapid maxillary expansion and protraction mask: clinical case report
Rodrigo García, et al.
Guadalajara, Mexico

Patients reasons for orthodontic treatment
Imelda García Bertrand, Jaime Fabian Gutierrez Rojo
Tepic, Mexico
Facial pattern and gender as risk factors for masticatory muscle disorders (MMD)
Lourdes García López, et al.
Mérida, Mexico

Lateral and anterior crossbite correction in a Class III skeletal and dolicofacial patient by means of orthosurgery
Monica García Santos, Monica Covarrubias
Guadalajara, Mexico

Three months time are adequate for the anteroposterior correction of Class II div 1 malocclusions treated with fixed functional appliances
Salvador García-López, Rosina Villanueva
Mexico City, Mexico

Musculomandibular morphology in individuals with different sagittal and vertical skeletal patterns: an MRI and cone beam computed tomography study
Katrina Gardovska, et al.
Riga, Latvia

Surgical-orthodontic Class III patient (surgery first) with a transverse discrepancy, treated with PAOO approach
Isadora Garza, et al.
Durango, Mexico

Regulation and biological significance of formation of osteoclast and foreign body giant cell in an extraskeletal implantation model
Ahmed Gazi Jased
Nagasaki, Japan

Interdisciplinary treatment of maxillary canine tooth agenesis and upper midline shift: a case report
Esra Genc, et al.
Ordu, Turkey

Association of 3 novel genes (C1orf167, NBPF8 and NBPF9) with familial mandibular prognathism in the Mediterranean population
Pamela Genno, et al.
Beirut, Lebanon

Treatment of palatally impacted canine by Fishhook spring
Hatice Gökalp
Ankara, Turkey

A literature review of mandibular advancement devices and continuous positive airway pressure in patients with mild to moderate obstructive sleep apnea
Benjamin Goldstein, et al.
New York, NY, USA

Surgical correction for a Class II div 1, vertical maxillary excess patient
Rolando Gonzalez Lopez
Mexico, Mexico

A new classification based on orthodontic treatment goals
Humberto Gonzalez-Oneto
Santiago, Chile
A cephalometric comparison of comprehensive orthodontic treatment including the Forsus and the Herbst appliances
Isis Grande, et al.
Curitiba, Brazil

Condylar size and its relationship with disc displacement in the temporomandibular joint
Elisabetta Guercio Monaco, et al.
Caracas, Venezuela

The repeatability and reliability of iTero element intraoral scanning by different operator under the clinical conditions
Jing Guo, Jing Liu
Jinan, China

The tooth whitening during orthodontic treatment, is it possible?
Julio Gurgel, et al.
Marilia, Brazil

Orthodontic treatment for successful autotransplantation in adult patients: a case report
Ae-Rim Ha, et al.
Seoul, South Korea

New modifications of the nasal alveolar molding appliance (NAM) for cleft lip/palate patients
Ramzi Haddad, et al.
Beirut, Lebanon

Craniofacial morphologic characteristics of Korean adolescence with skeletal Class II malocclusion
Hye young Han, et al.
Seoul, South Korea

A use of finite element analysis on inter-arch mechanics for Class II
Zahra Heidari Zadi, et al.
Baltimore, MD, USA

Interdisciplinary cleft lip and palate correction and patient improvement on self perception
Stephanie Herrera, Mónica Covarrubias
Guadalajara, Mexico

Influence of different orthodontic upper retainers in speech: a pilot study
Rodrigo Higa, et al.
Bauru, Brazil

Facial asymmetry correction with orthodontic treatment combined TADS and orthognathic surgery - a case report
Chih-Liang (Julian) Ho, Ming-Shu Lee
New Taipei City, Taiwan

Changes in alveolar bone during orthodontic tooth movement
Robert Holland, et al.
Indianapolis, IN, USA

Comparative evaluation of SBS in new MicroSprint® base-design using different adhesives
Marcus Holzmeier, et al
Wuerzburg, Germany
The study of the mechanism of JQ1 on the compressive mechanical stress induced osteoarthritis-like pathological changes in rat temporomandibular joint
Ziwei Huang
Nanjing, China

Bone thickness assessment of hard palate with cone beam computed tomography
Silvia Huynate Cuadrado, Luis Perez Vargas
Lima, Peru

Ectopic eruption of the maxillary second molar: predictive factors
Soonshin Hwang, et al.
Seoul, South Korea

Treatment of idiopathic multiple impacted permanent molars - a case report
Hann-Min Hwang, et al.
Taipei, Taiwan

Treatment time and efficiency of a predictable cantilever system for extrusion of maxillary impacted canines
Maciej Iancu Potrubacz, et al.
L'Aquila, Italy

Treatment of a Bolton discrepancy in a patient with agenesis of a lower mandibular incisor
Fatima Ibarra, et al.
Guadalajara, Mexico

Treatment in adolescent patient with severe crowding treated without extractions, clinical case
Tania Ibarra, Farid Dipp
Puebla, Mexico

Evaluation of shear bond strength of orthodontic braces and FE-SEM images after remineralization of enamel subsurface lesion by CPP-ACP and fluoride varnish: in vitro study
Gülçin Inal Kalkan, Serdar Toroğlu
Adana, Turkey

The influence of the spring activator Sander I as a rehabilitation device in patients with jaw function disorders
Emmanouil Inglezos, et al.
Athens, Greece

Malocclusion Class II treated with a Forsus appliance case report
Jessica Isaac, et al.
Guadalajara, Mexico

Osteocyte-periodontal ligament interactions regulate bone remodeling via SOST/Sclerostin during orthodontic tooth movement
Yoshihito Ishihara, et al.
Okayama, Japan

Orthodontic treatment options for cases of non-syndromic oligodontia
Hitomi Ishii, Ryuzo Kanomi
Himeji, Japan
Combined orthodontic-orthognathic treatment of patient with osteogenesis imperfecta: a three-year follow up
Paula Izquierdo, et al.
Rio de Janeiro, Brazil

A comparison of craniofacial Class I and Class II growth patterns
Helder Jacob, et al.
Houston, TX, USA

Dentofacial transverse development in Koreans according to skeletal maturation: a cross-sectional study
Woowon Jang, et al.
Gangnam-gu, South Korea

Adolescent and adult alveolar bone height changes during treatment with premolar extractions
Guilherme Janson, et al.
Bauru, Brazil

The maxillary incisor display at rest: analysis of the underlying components
Waqar Jeelani, et al.
Faisalabad, Pakistan

Changes in occlusal function after extraction of premolars: 2-year follow-up
Sooin Jung, et al.
Gangnam-gu, Seoul, South Korea

Oral health related quality of life among children with excessive overjet compared to children with unilateral posterior crossbite
Jenny Kallunki, Ola Sollenius
Malmö, Sweden

Piezocision-supported orthodontic treatment of Class I anterior moderate crowding: three case reports
Ahmet Karaman, et al.
Ordu, Turkey

Evaluation of anatomical limitation on the mandibular posterior area for distalization in treatment of Class III malocclusion using computed tomography
Hojin Kim, et al.
Daegu, South Korea

Vertical and transverse control for skeletal Class II patient considering smile aesthetics
Chanseung Kim, et al.
Goyang, South Korea

Consideration of the efficacy of Class III malocclusion predictors
Sooyoung Kim, et al.
Mokdong, South Korea

Surgical orthodontic correction of skeletal Class II malocclusion patient with Brodie bite: case report
Jong-Sung Kim, et al.
Seoul, South Korea

Camouflage treatment of unilateral cleft lip/palate with a missing upper left lateral incisor
Sujin Kim, et al.
Gangnam-gu, South Korea
Influence of orthodontic brackets on the scanning accuracy of the intraoral scanner
Hyun-Min Kim, et al.
Gwangju, South Korea

3 dimensional finite element analysis for the stress adjacent to the orthodontic mini implant with fine threading; using factorial analysis
Bohyun Kim, et al.
Seoul, South Korea

A new type of superhydrophilic sodium carboxymethyl cellulose/chitosan-based nanofilm for durable clear overlay appliances
Hyun-Hye Kim, et al.
Seoul, South Korea

Evaluation of the posttreatment dentofacial changes in patients with Class II malocclusion treated with twin block appliances compared with Class I malocclusion subjects
Rana Kiziltekin, Asli Baysal
Izmir, Turkey

Removable tranpalatin bar using with symmetrical activations for molar distal rotation - a study with finite element method
Luégya Knop, et al.
Salvador, Brazil

Effect of prior resin infiltration on enamel damages during orthodontic bracket debonding
Michael Knösel
Hamburg, Germany

Evaluation of the relationship between midpalatal suture maturation and chronologic age with cone-beam computerized tomography via fractal analysis in a Turkish population
Gulcan Kocal, Koray Halicioglu
Bolu, Turkey

Optimum area and overhang for customized bonding base
Akira Komori, Kyosuke Mizutani
Chiyoda, Japan

Effect of different forces combined with selective alveolar decortication on tooth movement
Kriangkrai Kraiwattanapong, Bancha Samruajbenjakun
Hatyai, Thailand

Treatment of Class III malocclusion with anterior cross bite - a case report
Lee Kun-feng, Yu-Chuan Tseng
Kaoshiung, Taiwan

Stability of rapid maxillary expansion utilizing primary dentition: a systematic review
Kevin Kurtzner, et al.
Buffalo, NY, USA

3D photographic analysis of deformational plagiocephaly in children
Panagiotis Kyteas, Chung Kau
Birmingham, AL, USA
A surgery-first orthognathic approach without presurgical orthodontic treatment for mandibular prognathism - case report
Tai-Ting Lai
Taipei, Taiwan

A new treatment protocol of orthodontic implant site development
Eddie Lai, et al.
Taipei City, Taiwan

Long-term stability of comprehensive Class II treatment with cantilever bite jumper
Melissa Lancia, et al.
Bauru, Brazil

Accelerated tooth movement in adult patients by subsequent micro-osteoperforations of cortical bone
Robert Laraway, et al.
Glen Burnie, MD, USA

Association between brain lateralization and mixing ability of chewing side
Seung-min Lee, et al.
Pusan, South Korea

Accuracy of midpalatal miniscrew implantation by 3D printed surgical guide
Jeong-Sub Lee, et al.
Wonju-si, South Korea

Camouflage treatment of a skeletal Class III with unilateral crossbite using superelastic NiTi tip-back mechanism
Joon Goo Lee, et al.
Gangnam-gu, South Korea

The level of satisfaction in orthodontic treatment and its influencing factors among adults
Rami Lee, et al.
Seodaemun-gu, South Korea

Skeletal maturation in relation to vertical facial type
Ye-Seul Lee, et al.
Seoul, South Korea

Three-dimensional changes of mandibular position following BSSRO with surgery-first approach
Kyung-Min Lee, et al.
Gwangju, South Korea

Effects of flapless osteoperforation-assisted tooth movement on bone modeling of atrophic alveolar ridge: histomorphometric and gene expression analysis in beagles
Ji-Won Lee, et al.
Seoul, South Korea

Skeletal and dental classification based on ABO standards
Michael Lee, et al.
Jacksonville, FL, USA

Surgery first treatment of a skeletal Class II patient: a case report
Lupita Carolina León Coutiño, et al.
Mexico, Mexico
Comparison of the two maxillary expansion systems: the Hyrax® screw and the Leaf Expander® - a preliminary study
Pierre Lepelletier, et al.
Rennes, France

H angle (hard tissue), H angle (soft tissue) and visual perception in skeletal type I patient
Kitpat Lersinghanart
Bangkok, Thailand

Perception of pain and discomfort from two types of orthodontic polishing procedures
Ariel Levy, Moonyoung Lee
Bronx, NY, USA

Analysis of the facial-dento-skeletal characteristics of unilateral scissor bite malocclusions with skeletal Class II pattern
Huang Li
Nanjing, China

Comparison of alveolar morphology of the anterior mandible among the vertical facial types by cone-beam computed tomography
Song Li, Zheyi Li
Beijing, China

Comparison of total frictional forces of posterior units with changing a tube/wire angulation
Pornhathai Liewsaitong, Paiboon Techalertpaisarn
Pathumwan, Thailand

Microorganisms adhesion to aesthetic archwires and the influence of surface roughness
Kleist Lima, et al.
São Luís, Brazil

Treatment of Angle Class I malocclusion and dental double protrusion with Invisalign system
Luciana Lima, et al.
São Luís, Brazil

Treatment of deep bite malocclusion with Invisalign system
Saulo Lima, et al.
São Luís, Brazil

Cephalometric changes in Class III treatment with two different prescriptions of pre-adjusted brackets
Ludmila Lima, et al.
Bauru, Brazil

In vivo evaluation of the enamel surface roughness after removal of brackets bonded with different cementing materials
Lucineide Lima dos Santos, et al.
Londrina, Brazil

Comparative study between ortognatic surgery and the application of botulinal toxin for correction of gummy smile
Paula Patricia Primo Litron, et al.
Maringá, Brazil

Induction of myogenic differentiation of human adipose-derived stem cells by PAX 3
Chenlu Liu, et al.
Boston, MA, USA
Reliability of dental cast measures as compared to cone-beam computed tomography measures for analyzing the transverse dimension
Dawei Liu, Brian Michel
Milwaukee, WI, USA

‘En masse’ distalization of maxillary posterior teeth without skeletal anchorage
Luis Filipe Lon, et al.
Araraquara, Brazil

Orthodontic-surgical treatment to reduce sequelae of bilateral cleft lip and palate, improving patient’s quality of life - a case report
Beatriz Luengas Vicencio
Pachuca, Mexico

Does orthodontic treatment improve patient quality of life and does it vary depending on the stage of orthodontic treatment?
Gabriel Luttrell, et al.
Jacksonville, FL, USA

In vitro shear testing of orthodontic bonding to various ceramic materials with Assure Plus
Lindsey Lyons, et al.
Houston, TX, USA

Orthodontic treatment of adult patient with bone loss: use of light forces
Kássio Macedo Macedo, et al.
Teresina, Brazil

Perception of the gingival smile and diastema by students of first and last year of the degree of dentist surgeon
Tania Macias Villanueva, Jaime Fabian Gutierrez Rojo
Tepic, Mexico

Protrusive skeletal Class II malocclusion with anterior open-bite and dens in dens: case report
Jorge Maldonado Peña, et al.
Benito Juarez, Mexico

Compensatory Class III malocclusion treatment associated with mandibular canine extractions
Olga Maranhão, et al.
Bauru, Brazil

Comparative study of reliability and reproducibility in the measurement of tooth sizes and measurements of dental arches between manual and digital 3D records obtained by intraoral and extraoral scanning
Diana Marin Arias, Manuel Bravo Calderon
Cuenca, Ecuador

Expander with differential opening in the mixed dentition: a case report
Camila Massaro, et al.
Bauru, Brazil

Evaluation of Damon system effects in buccolingual inclinations and alveolar bone support - a CBCT study
Murilo Matias, et al.
Bauru, Brazil
Orthodontic management of a skeletal Class III malocclusion with facial asymmetry - case report  
Paola Daniela Mazón Moreta, Pedro Lara Mendieta  
Mexico, Mexico

Final treatment of a skeletal Class III patient previously treated with orthopedics and orthodontic camouflage  
Aide Rocío Medina Zepeda, Fabiola Hernández Girón  
Mexico City, Mexico

Unilateral posterior crossbite and openbite in an adult patient: fixed orthodontic appliance approach  
Thiago Meira, et al.  
Curitiba, Brazil

Surgical case: skeletal Class III with jaw deviation and severe crowding  
Tania Mejia, Alejandra Paz  
Guadalajara, Mexico

Clinic and radiography characteristics of a patient with non-nutritive habit (lip)  
Laura Mendoza et al.  
Mexico City, Mexico

Anterior open bite correction in a Class III skeletal patient with the extraction of upper first molars  
María Concepción Mendoza Palomino, Alejandra Paz Cristobal  
Guadalajara, Mexico

Facial analysis in European adults from southern Spain with normal occlusion using 3D photography  
Maria Luisa Menéndez López-Mateos et al.  
Granada, Spain

Breast-feeding, bottle-feeding and malocclusion: is there correlation?  
Agnes Messias, et al.  
São Bernardo do Campo, Brazil

Cephalometric comparison of Class II treatment with 2- and 4-premolar extraction  
Edivaldo Miotto, et al.  
Juranda, Brazil

Two-phase orthodontic treatment in a patient with Fanconi anemia  
Felicia Miranda, et al.  
Bauru, Brazil

3D changes from a bone-anchored maxillary expander in patients 16 to 20 years old  
Beatriz Miranda Vazquez, et al.  
Colima, Mexico

Conventional orthodontic treatment vs orthognathic surgery: a prospective randomized clinical trial of brackets failure rates  
Kyosuke Mizutani, et al.  
Chiyoda-ku, Japan

The dimensional change of nickel-titanium orthodontic archwires after fine shot peening method  
Wittawat Mongkolchart, et al.  
Bangkok, Thailand
Management of skeletal Class III patient through transverse expansion of the maxilla with hyrax supported with mini screws, high corticotomy and orthognathic surgery: a case report
Jackelyn Montes Boites, Alfredo Sánchez Valverde
Mexico City, Mexico

Analysis of variability of Condilion-Gonion-Menton angle in a population of orthodontic patients
Giovanni Monti, et al.
Naples, Italy

Use of sliding jig to treat Class II malocclusion - a case report
Guadalupe Montoya Calderón, et al.
Guadalajara, Mexico

A study on the clinical usefulness of the RP Model made by using intraoral scan images
Cheol-Hyun Moon, et al.
Incheon, South Korea

Treatment of Class III skeletal malocclusion and use of modified TPA - clinical case report
Ixchel Morales, et al.
Guadalajara, Mexico

Accuracy of three-dimensional dolphin imaging soft tissue prediction in orthognathic cases
Sherif Morcos, et al.
Ismailia, Egypt

Association between palatine ectopic canine and dental anomalies
Priscila Moreira, et al.
Rio de Janeiro, Brazil

Shear bond strength of orthodontic metal brackets after applying Yd:YAG laser beam irradiation
Fernando Moreira, et al.
Araraquara, Brazil

3D skeletal and dentoalveolar changes associated with Herbst appliance treatment
Alexandre Moro, et al.
Curitiba, Brazil

Morphometric analysis of maxillary skeletal expansion effects on the nasal cavity
Christoph Moschik
Los Angeles, CA, USA

Improvement in smile esthetics following after correction posterior crossbite in adult patient
Wilana Moura, José Fernando Castanha Henriques
Teresina, Brazil

Orthodontic treatment in a Class II division 2 patient case report
María Leonor Muñoz Vélez, Isaac Guzmán Valdivia Gómez
Mexico, Mexico

Enhancing aesthetics after orthodontic treatment with direct composite veneers
Adriana Muntean, et al.
Ramnicu Valcea, Romania

Orthodontic management of adult female with multiple impacted teeth
Amit Nagar, et al.
Lucknow, India
Alveolar bone patterns of the maxillary anterior teeth in patients with normal occlusion: quantitative assessment on CBCT scans
Ana Carla Nahás-Soccate, et al.
Sao Paulo, Brazil

Stability following en-masse retraction with corticotomy assisted orthodontic treatment
Satinee Narupakorn, Bancha Samruajbenjakun
Hatayai, Thailand

Retrieval analysis of orthodontic mini implants
Madhumitha Natarajan
Manipal, India

Expander with differential opening for rapid maxillary expansion: a case report
Gabriela Natsumeda, et al.
Bauru, Brazil

Unilateral telescopic and deep bite correction in a skeletal Class II patient taking advantage of growth remanent
Fátima Navarro, Eliezer García
Guadalajara, Mexico

Agenesis of two mandibular permanent incisors: a case report
Rodrigo Naveda, et al.
Bauru, Brazil

Relationship between body mass index percentile and skeletal maturation and dental development
Fatma Nazik Unver, Turkan Sezen Erhamza
Kirikkale, Turkey

Assessment of treatment outcomes in Thai Board of Orthodontics cases and of relationship with cephalometric changes using the American Board of Orthodontics Objective Grading System (ABO OGS)
Siew Peng Neoh, et al.
Bangkok, Thailand

Craniofacial morphology in children with obesity and trisomy 21 with and without obstructive sleep apnea
Corey Ng, et al.
Toronto, ON, Canada

Non-surgical/non-prosthetic camouflage treatment of Skeletal Class II openbite with bilaterally missing lower first molars
Tung Nguyen, Chooryung Chung
Chapel Hill, NC, USA

Stability of nonextraction Class II malocclusion treatment with elastics
Ana Liesel Niederberger, et al.
Bauru, Brazil

Shear bond strength of experimental light-cured orthodontic adhesives
Kanin Nimcharoensuk, et al.
Bangkok, Thailand

Treatment of skeletal Class II malocclusion with the Forsus Fatigue Resistant Device: a case report
Cinithya Nogueira, et al.
Bauru, Brazil
Comparison of condylar displacement between conventional and surgery-first approach in facial asymmetry
Min-Hee Oh, et al.
Gwangju, South Korea

Effects of root proximity of orthodontic miniscrews on bone-screw contact in Beagle dogs
Hyun-Ju Oh, et al.
Seoul, South Korea

Ortho surgical treatment in Class II patient
Fabiana Oliveira, et al.
São Bernardo do Campo, Brazil

Comparative study of the dental and skeletal effects of osseointegrated palatal ruptured and dentosupported: randomized clinical trial
Mariana Olivera, et al.
Montevideo, Uruguay

Multiple maxillary retained teeth
Alejandra Olvera, Antonio Fernández López
Mexico City, Mexico

Comparison between traditional 2D superimposition and 3D voxel-based superimposition
Noha Orabi, et al.
Cleveland, OH, USA

Class III malocclusion correction of with TPA and lingual arch case report
Carmen Orozco Ramírez, et al.
Guadalajara, Mexico

Patients’ priorities versus orthodontic residents’ priorities for compromise treatment outcomes
Naila Ortega, et al.
Jacksonville, FL, USA

Determination of myeloperoxidase activity in gingival tissue after application of different magnitudes of orthodontic forces in rats
Montserrat Padilla
Guadalajara, Mexico

A cross-sectional study comparing detection of white enamel defects by different specialists
Ligia Padilla, et al.
New York, NY, USA

Posterior crossbite treated with quad helix: a case report
Débora Pak, et al.
São Bernardo do Campo, Brazil

Dimensional changes in pharyngeal airway space during orthodontic treatment: a prospective pharyngometer study
Matthew Paradisgarten, et al.
Newark, NJ, USA

Comparisons of maxillary arch dimensions and shape between patients with maxillary canine impaction and normal subjects using cone beam computed tomography (CBCT)
Sikkared Parinyachaiphun, Sirima Petdachai
Pathumwan, Thailand
Maxillary distalization by plate to avoid maxillary surgery in Class III patient
Jou Hee Park, et al.
Seoul, South Korea

Case report: orthopedic / orthodontic treatment with atypical extractions in a skeletal Class III patient
Alejandro Parra Melgar, Isaac Guzmán Valdivia Gómez
Mexico, Mexico

Inflammatory mediator expression after orthodontic movement in sickle cell anemia mouse model
Ana Lucía Patrocínio, et al.
Rio de Janeiro, Brazil

Orthodontic and restorative treatment of mesiodistal discrepancy of the maxillary lateral incisors
José G Pelayo G, et al.
Bauru, Brazil

Deep bite correction with accentuated and reversed curve of Spee in an adult patient
Danelin Peña, et al.
Bauru, Brazil

Alternate rapid maxillary expansion and constriction associated with face mask for anterior crossbite: a case report
Nayara Priscilla Pereira Lemos, et al.
São Bernardo do Campo, Brazil

Comparison of the right and left side mandibular size in panoramic radiographies
Jazmin Perez Banuelos, Jaime Fabian Gutierrez Rojo
Tepic, Mexico

Comparison of external apical root resorption in orthodontically treated maxillary anterior teeth
Sergio Perez Lomas, et al.
Mérida, Mexico

Position of the jaws according to the facial biotype
Joel Pérez Parra, et al.
Merida, Mexico

Open bite related to juvenile idiopathic arthritis: a case report
Laura Petracco, et al.
Porto Alegre, Brazil

Class II elastics: do they bring about profile changes?
Pramod Philip, Juan Palomo
Cleveland, OH, USA

Proportions of facial beauty with the Twin Block appliance
Lucelma Vilela Pieri
Franca, Brazil

Evaluation of the length of micro-cracks in tooth enamel after orthodontic bracket debonding
Célia Pinzan-Vercelino, et al.
São Luís, Brazil

Impaction of mandibular permanent first molar: a case report
Raquel Poletto, et al.
Bauru, Brazil
Knowledge and beliefs regarding temporomandibular disorders among orthodontists
Felipe Porto
Charleston, SC, USA

The effectiveness of using topical anesthetic for insertion of orthodontic miniscrews
Otavio Augusto Pozza, et al.
Maringá, Brazil

Evaluation of the anterior and posterior shifts of archwire in conventional and self-ligating metallic brackets
Alex Pozzobon Pereira, et al.
São Luís, Brazil

Comparison of maxillary central incisors (MCI) and the forehead relationship between Thai females with facial harmony (FH) and Thai female orthodontic patients: preliminary study
Nattapon Prengsukarn, et al.
Phyathai, Thailand

Unilateral condylar hyperplasia: a surgical and orthodontic approach in a growing patient
Jessica Przybysz, et al.
Curitiba, Brazil

Dental arch shape and size after maxillary expansion in bilateral complete cleft lip and palate (BCLP): comparison between Hyrax, Quad-Helix and Differential Expander
Fernando Pugliese, et al.
South Euclid, OH, USA

The evolution of thermographic analysis: new trends in orthodontic diagnosis
Alessandra Putrino
Roma, Italy

Effects of maxillary skeletal expander (MSE) on orbit structure and ocular function during orthodontic treatment
Xu Qian, et al.
Los Angeles, CA, USA

Case report: orthodontic treatment in a skeletal Class II patient with moderate autism
Emma Quintero Velasco, et al.
Mexico City, Mexico

Determination of osteoprotegerin levels in the gingivocrevicular fluid, after the application of an orthodontic force in different stages of the ovary cycle
Iveth Rabago, Monica Covarrubias
Guadalajara, Mexico

Traditional vs modern orthodontics
Ovidiu Radescu, et al.
Cluj Napoca, Romania

Comparison of tooth size-arch length discrepancy made on digital and plaster models
Tatchatam Raksin, Supanee Suntornlohonakul
Hatyai, Thailand
The effects of video and verbal information with regard to miniscrew placement on patients’ pain perception
Sabri Ilhan Ramoglu, et al.
Istanbul, Turkey

Class III compensatory treatment using extraalveolar miniscrews in the buccal shelf
Carolina Rasul, et al.
Maringa, Brazil

Midline diastema closure and retention: case report
Emmanuel Rayas Prado, et al.
Guadalajara, Mexico

Orthodontic treatment of unilateral complete cleft lip and palate patient with oronasal fistula to be surgically treated with bone graft: a case report
Joaquín Rendón Rodríguez, Isaac Guzmán Valdivia Gómez
Mexico City, Mexico

A systematic literature review of the short- and long-term outcomes of fixed lingual orthodontic retainers
Paige Riddle, et al.
Buffalo, NY, USA

Correlation between Wala Ridge and arch superimposition analysis
Marcia Ritzmann, Paulo Roberto Nouer
Niteroi, Brazil

Early treatment of malocclusion Class III with Morales mini facial mask of maxillary protaction
Rafael Rivas-Gutierrez, Maria Gonzalez-Martinez
Tepic, Mexico

Lingual arch in an adult patient for lower arch collapse: case report
Alejandra Rivera Díaz, et al.
Guadalajara, Mexico

Comparison of cephalometric measurements of Arnett analysis with a population from Guadalajara, Jalisco, Mexico
Diana Rizo, Eliezer García
Guadalajara, Mexico

Stability of first and second premolar extraction space closure
Mayara Rizzo, et al.
Bauru, Brazil

Effects of rapid maxillary expansion on condylar position in cleft patients: a pilot study
Fabiola Roberto, et al.
Belo Horizonte, Brazil

Therapeutic approach Class II division II malocclusion according to bioprogressive protocol
Enza Robotti
Bordighera, Italy

Variability and repeatability of anatomical alignment in a symmetric and asymmetric face
Anika Rodgers, et al.
Manvel, TX, USA
Orthodontics, trigeminal spinal nucleus and rexed laminae II
Pablo Rojas Pardini
Panama, Panama

Undesirable effects during orthodontic treatment with clear aligners
Roberto Rossi, Maurizia Balli
Rho, Italy

Compactibility with gypsum of irreversible hydrocolloid impression material incorporated with silver-nanoparticles
Mallika Rungkiertsakul, et al.
Bangkok, Thailand

Correction of lower severe crowding with interproximal enamel reduction
Cesar Mardonio Ruvalcaba Ochoa, et al.
Guadalajara, Mexico

Extraction of inferior incisor in adult patient with anterior edge-to-edge occlusion - a case report
Jeanetta Safraniak, et al.
Guadalajara, Mexico

Long-term changes in airway for Class III orthognathic surgery cases
Kaoru Saito, et al.
Chiba, Japan

Treatment of Class II malocclusion with mandibular retrusion - clinical case report
Verónica Salame, et al.
Guadalajara, Mexico

Case report: surgical and orthodontic treatment of facial asymmetry due to maxillary cant and skeletal Class III
Mariana Salas, Antonio Gómez Arenas
Mexico City, Mexico

Dento-skeletal open bite correction on a patient with atypical deglutition: case report
Jessy Salazar, Antonio Gómez
Mexico, Mexico

Correction of skeletal Class II malocclusion with previous treatment of serial extractions- clinical case report
Ana Sanchez, et al.
Guadalajara, Mexico

Treatment of anterior open bite with four different devices and their stability: case reports
Maria Cecilia Sandes Seixas Vieira, et al.
Londrina, Brazil

Deep bite treatment by molar extrusion with Invisalign system
Keisuke Sanjo
Yonezawa, Japan

Clinical application of the Bolton discrepancy in dentistry and orthodontics
Neblyssa Schneider, et al.
Curitiba, Brazil
Posterior crossbite in Class III adult treated with conventional rapid maxillary expansion
João Paulo Schwartz, et al.
Araraquara, Brazil

Indirect bonding of orthodontic brackets: a comparison of positional accuracy between software vs. stone model driven techniques
Francesca Scilla Smith, et al.
Dallas, TX, USA

Orthodontic relapse from gingival clefts
Christopher Scott, Dina Stappert
Baltimore, MD, USA

Intraoral transfer accuracy of digitally planned indirect bonding trays
Jonathan Scott, et al.
Houston, TX, USA

Genetic evaluation of non-syndromic isolated or complete cleft lip and palate individual
Asli Senol, et al.
Ankara, Turkey

Relationship between the pretreatment malocclusion severity and the case complexity
Soraya Serna, et al.
Bogota, Colombia

Mandibular second molar upright
Diego Servilha, et al.
Curitiba, Brazil

Combination of non-surgical mini-implant supported expansion and BSSO
Luca Sfogliano, et al.
Los Angeles, CA, USA

Investigating growth patterns in Class II untreated patients using Pancherz cephalometric analysis
Anush Shah, Anil Ardesna
Newark, NJ, USA

A systematic review of the effectiveness of space maintainers
Inderjit Shargill, Sotiria Gizani
Coventry, United Kingdom

Adult patients’ mid-treatment acceptance of increased costs to reduce orthodontic treatment time
Peter Shih, Sawsan Tabbaa
Jacksonville, FL, USA

Impact of accelerated aging on the dimensional accuracy of 3D printed orthodontic models
Megan Short, et al.
Houston, TX, USA

Evaluation of the mandibular third molars influence on mandibular anterior crowding relapse
Paula Silva, et al.
Pérola, Brazil

Nonextraction treatment in Class II/2 patient - case report
Rafael Silva Melero, et al.
Zapopan, Mexico
Long term stability of posterior pharyngeal wall and pharyngeal airway passage dimensions changes following Twin-block therapy
Satinder Singh, Sri Ram
Chandigarh, India

Effects of various food-simulating drinks on shear bond strength of metallic orthodontic brackets
Gulshan Kumar Singh, Gyan Singh
Lucknow, India

Efficiency outcomes of digital model printing vs. stone model essix fabrication at the time of debonding appointment (pilot study)
Kenneth Smith, et al.
Jacksonville, FL, USA

Two different surgical managements of skeletal Class II cases: mandibular advancement with/without maxillary surgery
Jueon Song, et al.
Gangnam-gu, South Korea

The comparison of soft tissue analyses and the evaluation from the expert
Piyanart Songkongka, Chairat Charoemratrote
Hat Yai, Thailand

Prevent the appearance of the black triangle
Olivier Sorel, Damien Brezulier
Rennes, France

Bone and cartilage tissue engineering for growth modification using Poly L/DL lactide (PLDL) electrospun scaffold
Rhea Souaid, et al.
Beirut, Lebanon

The effect of low-level laser therapy on the rate of orthodontic leveling and aligning: a randomized controlled trial
Albert Soulema, Moonyoung Lee
New York, NY, USA

Correction of over-expansion using transpalatine arch - clinical case report
Renata Suarez, et al.
Guadalajara, Mexico

Silver nanoparticles in orthodontics - a literature review
Raluca Suhani, et al.
Cluj Napoca, Romania

Ethical dilemmas concerning orthodontic treatment of hearing impaired patients
Mihai Suhani, Raluca Suhani
Cluj Napoca, Romania

Profile changes following anterior crossbite treatment in cleft and noncleft patients
Wisesphon Sutthidechanai, et al.
Pathumwan, Thailand
Comparison of cold-hardening bending and direct electric resistance heat treatment on three-point bending of NiTi archwire
Saranya Suwankomonkul, Chidsanu Changsiripun
Pathumwan, Thailand

Comparison of patients’ parent’s acceptance of increased costs to reduce orthodontic treatment time: pretreatment and in-treatment
Sawsan Tabbaa, et al.
Jacksonville, FL, USA

Impacted maxillary canine - great challenges but with great satisfaction
Ivan Taffarel, et al.
Curitiba, Brazil

The open gingival embrasure and the midline diastema - great and small differences
Orlando Tanaka, et al.
Curitiba, Brazil

Quantifying faces three-dimensionally in orthodontic practice
Chihiro Tanikawa, et al.
Suita, Japan

Relationship between orthodontic treatment complexity and treatment outcome using DI and OGS Index
Kanok-on Tantipanichkul, et al.
Bangkok, Thailand

The improvement of surface properties and hardness of nickel-titanium (NiTi) orthodontic arch wires by diamond-like carbon coating (DLC)
Natthalak Tantiwinyupong, et al.
Phyathai, Thailand

Enamel surface evaluation after orthodontic debonding: comparing rotating instruments and hydroabrasion
Michele Tepedino, et al.
L'Aquila, Italy

Upper lip changes after en-masse retraction
Aweekhun Thanasansomboon, Chairat Charoemratrote
Hatayi, Thailand

Comparing the position and concentricity of the condyle in the fossa before and after Class II correction: a 3D study
Sepideh Torkan, et al.
Seattle, WA, USA

Orthodontic-surgical management in a patient with cleft lip and palate
Yulieth Torres, et al.
Fresno, CA, USA

Programmable orthodontic expander for treating cleft lip and palate patients
Ana Torres, et al.
Madrid, CA, USA
Clinical case: differential tooth movement treatment in Class II malocclusion with atypical deglutition, open bite and transverse discrepancy
Germán Torres Del Río, Mauricio Ballesteros Lozano
Mexico, Mexico

Severe lower crowding correction without extractions - case report
Lisseth Torres Muñoz, et al.
Guadalajara, Mexico

Orthodontic management of impacted maxillary canines using VISTA technique: a case report
Meng-Yun Tsai, et al.
Taipei, Taiwan

Effect of light emitting diodes (LED) with 430-480 nm wavelength upon tooth movement: a randomized clinical trial
Chalumporn Ubolviroj, et al.
Bangkok, Thailand

Element II position and its correlation to the attractiveness in Class II division 1 treatment
Marcelo Valerio, et al.
Bauru, Brazil

Class I and Class II malocclusions: dental and basal mandibular arch evaluation
Juliana Vasconcelos, et al.
Londrina, Brazil

Orthodontic surgical management of a skeletal Class III patient with severe lower crowding
María Vásquez-Vásquez, et al.
Lima, Peru

Accelerated skeletal maturation in obese patients
Cirenia Priscilla Vega Lopez, Eliezer García
Guadalajara, Mexico

Evaluation of dental arches and upper airway in cases treated with Damon
Bruno Vieira, et al.
Bauru, Brazil

Maxillary molar distalization with skeletally anchored cantilever
Lorena Vilanova, et al.
Bauru, Brazil

Management of a Class II malocclusion in a patient with excessive overbite
Abel Villalobos Diaz, et al.
Guadalajara, Mexico

Determination of environmental genetic risk factors for the development of cleft lip and/or palate in Mexico
Héctor Villegas Álvarez, et al.
Mexico City, Mexico

Clinical case: surgical treatment of Class III malocclusion
Alejandra Villegas Ramírez, Isaac Guzmán Valdivia Gómez
Mexico, Mexico
Anchorage loss after en-masse retraction in corticotomy-assisted orthodontic treatment
Navarat Voravongsagul, Bancha Samruajbenjakun
Hat Yai, Thailand

Orthodontics brackets friction changes after clinical use: systematic review
Maria Wagner, et al.
Macatuba, Brazil

Analysis of microbiome dynamics during orthodontic treatment
Tingxi Wu, et al.
Buffalo, NY, USA

Comparative assessment of orthodontic treatment efficacy: direct versus indirect bonding
Kubra Yildirim, Banu Saglam-Aydinatay
Ankara, Turkey

The accuracy of information about orthodontics available on the Internet
Berza Yilmaz, Ruslan Aghasiyev
Istanbul, Turkey

Minimal presurgical orthodontics for a skeletal Class III patient
Loidy Ypanaque-Ramirez, et al.
Lima, Peru

Interdisciplinary treatment for Class II skeletal discrepancy with multiple missing tooth
Yuan Heng Yu, et al.
Taipei, Taiwan

Cleft lip and palate national survey of team organization and management in the 21st century
Olivia Yue, Joanna Forsea
New York, NY, USA

An objective assessment of the American Board of Orthodontics (ABO) Discrepancy Index (DI) categories and its relationship with treatment length in a graduate orthodontic clinic
Soseh Zamani, et al.
Austin, TX, USA

Finite element analysis of stresses on adjacent teeth during the traction of palatally impacted canines
Kinan Zeno, et al.
Beirut, Lebanon