**EUROPEAN JOURNAL OF ORTHODONTICS**

|  |  |  |
| --- | --- | --- |
| Early biofilm formation and the effects of antimicrobial agents on orthodontic bonding materials in a parallel plate flow chamber | 1 | Mervyn Y. N. Chin, Henk J. Busscher, Robert Evans Joseph Noar and Jonathan Pratten |
| A prospective, randomized clinical study on the effects of an amine fluoride/stannous fluoride toothpaste/mouthrinse on plaque, gingivitis and initial caries lesion development in orthodontic patients | 8 | B. Ogaard, A. Afzelius Alm, E. Larsson and U. Adolfsson |
| Root resorption associated with orthodontic force in inbred mice: genetic contributions | 13 | Riyad A. Al-Qawasmi, James K. Harsfield, Jr. Eric T. Everett, Marjorie R. Weaver, Tatiana M. Foroud, Deidra M. Faust and W. Eugene Roberts |
| Fos-and Jun-related transcription factors are involved in the signal transduction pathway of mechanical loading in condylar chondrocytes | 20 | Dionisios Papachristou, Pertti Pirttiniemi, Tuomo Kantomaa, Niki Agnantis and Efthimia K. Basdra |
| Effects of activator and activator headgear treatment: comparison with untreated Class II subjects | 27 | Hakan Turkkahraman and M. Ozgur Sayin |
| Soft tissue facial profile changes following functional appliance therapy | 35 | Catia Quintao, lone Helena V.P. Brunharo, Robsmar C. Menezes and Marco A.O. Almeida |
| Developmental changes in craniofacial morphology in subjects with Duchenne muscular dystrophy | 42 | T.Matsuyuki, T. Kitahara and A. Nakashima |
| Cephalometric stgandards for Slovenians in the mixed dentition period | 51 | Martina Drevensek, Franc Farcnik and Gaj Vidmar |
| The reliability and validity of the Index of Complexity, Outcome and Need for determining treatment need in Dutch orthodontic practice | 58 | T. J. Louwerse, I.H.A. Aatman, G.J.C. Kramer and B. Prahl-Andersen |
| Effects of a segmented removable appliance in molar distalization | 65 | Erol Akin, A. Umit Gurton and Deniz Sagdic |
| An investigation into the bonding of orthodontic attachments to porcelain | 74 | C.J. Larmour, G. Bateman and D.R. Stirrups |
| A comparison of tungsten-quartz-halogen, plasma arc and light-emitting diode light sources for the polymerization of an orthodontic adhesive | 78 | Bikram S. Thind, David R. Stirrups an Charles H. Lloyed |
| Temporomandibular joint internal derangement in mandibular asymmetry. What is the relationship? | 83 | B. Buranastidporn, M. Hisano and K. Soma |
| Prediction of post-treatment outcome after combined treatment with maxillary protraction and chincap appliances | 89 | Ikue Yoshida, Nobuhito Yamaguchi and Itaru Mizoguchi |

**CONTENTS**

**Vol.28–No.1-Feb 2006**

**EUROPEAN JOURNAL OF ORTHODONTICS**

**CONTENTS**

**Vol.28, No.2, Apirl 2006**

|  |  |  |
| --- | --- | --- |
| A computerized photographioc assessment of the relationship between skeletal discrepancy and mandibular outline asymmetry | 97 | Sarah Good, Raymond Edler , David Wertheim and Darrel Greenhill |
| Development of a questionnaire for assessment of the psychosocial impact of dental aesthetics in young adults | 103 | Ulrich Klages, Nadine Claus, Heinrich Wehrbein and Andrej Zentner |
| Masticatory performance in children and adolescents with Class I and II malocclusions | 112 | Andres Toro, Peter H. Buschang, Gaylord Throckmorton and Samuel Roldan |
| Determination of Bolton tooth-size ratios by digitization, and comparison with the traditional method | 120 | V. paredes, J. L. gandia and R. Cibrian |
| Changes in natural head position observed immediately and one year after rapid maxillary expansion | 126 | Niall J. McGuinness and James P. McDonald |
| Thin-plate spline analysis of arch form in a Southern European population with an ideal natural occlusion | 135 | Matteo Camporesi, Lorenzo Franchi, Tiziano Baccetti and Antonino Antonini |
| A treatment difficulty index for unerupted maxillary canines | 141 | Sarah Pitt, Ahmad Hamdan and Peter Rock |
| Dental transposition as a disorder of genetic origin | 145 | Nicola J. Ely, Martyn Sherriff and Martyn T. Cobourne |
| Craniofacial changes in lcelandic children between 6 and 16 years of age – a longitudinal study | 152 | Arni Thordarson, Berglind Johannsdottir and Thordur Eydal Magnusson |
| Assessment of open and incomp.lete bite correction by incisor overlap and optical density density of polyvinyl siloxane bite registration | 166 | Nir Shpack, Shmuel Einy, Lea Beni and Alexander D. Vardimon |
| Self-etching primer and a non-rinse conditioner versus phosphoric acid: alternative methods for bonding brackets | 173 | Ascension Vicente, Luis A. Bravo and Martin Romero |
| A comparative study of cephalometric and arch width characteristics of Class II division 1 and division 2 malocclusions | 179 | Fulya Isik, Didem Nalbantgil, Korkmaz Sayinsu and Tulin Arun |
| Sagittal airway dimensions following maxillary protraction: a pilot study | 184 | Korkmaz Sayinsu, Fulya Isik and Tulin Arun |
| Influence of sex hormone disturbances on the interanal structure of the mandible in newborn mice | 190 | T. Fujita, J. Ohtani, M. Shigekawa, T. Kawata, M. Kaku, S. Kaku, S. Kohno, M. Motokawa, Y. Tohma and K. Tanne |
| Three dimensional cephalometry: a color atlas and manual (2005) | 195 | G J Swennen,F A Schuyster J E Hausamen |
| Oral radiosurgery. An illustrated clinical guide, 3rd edition (2005) | 196 | Jaferry A sherman |
| Clinical success in early orthodontic treatment (2005) | 196 | Antonio Patti and Guy Perrier D arc |
| Orthodontics, Current principles & techniques, 4th edition (2005) | 197 | Thomas M Graber ,Robert l. Vanarsdall Jr ,Katherine W.L.Vig |
| Orthodontic-surgical treatment of dentofacial anomalies: an integrated aesthetic-functional approach | 198 | Paolo Ronchi |

**EUROPEAN JOURNAL OF ORTHODONTICS**

**CONTENTS   
 Vol.28–No.3-June 2006**

|  |  |  |
| --- | --- | --- |
| Effect of biomechanical disturbance of the temporomandibular joint on the prevalence of internal derangement in mandibular asymmetry | 199 | B. Buranastidporn, M. Hisano and k. Soma |
| Surgical repositioning of a developing maxillary permanent central incisor in a horizontal position: spontaneous eruption and root formation | 206 | Kazuto Kuroe, Hiroshi Tomonari, Kazuhisa Soejima and Aya Maeda |
| Expression of type X collagen and capillary endothelium in condylar cartilage during osteogenic transition- a comparison between adaptive remodeling and natural growth | 210 | Gang Shen, Zhihe Zhao, K. Kaluarachchi and A Bakr Rabie |
| Initial changes in pulpal microvasculature during orthodontic tooth movement: a stereological study | 217 | Milton Santamaria Jr, Debora Milagres, Adriana Sasso Stuani, Maria Bernadete Sasso Stuani and Antonio Carlos de Oliveira Ruellas |
| The tissue, cellular, and molecular regulation of orthodontic tooth movement: 100 years after Carl Sandstedt | 221 | Murray C. Meikle |
| Relationship between substance P and interleukin-1β in gingival crevicular fluid during orthodontic tooth movement in adults | 241 | Masaru Yamaguchi, Mizuho Yoshii and Kazutaka Kasai |
| Foetal alcohol syndrome: a dental and skeletal age analysis of patients and controls | 247 | Sudeshni Naidoo, Gustav Norval, Sonja Swanevelder and Carl Lombard |
| Foetal alcohol syndrome: a cephalometric analysis of patients and controls | 254 | Sudeshni Naidoo, Angela Harris, Sonja Swanevelder and Carl Lombard |
| Post-treatment development of the curve of Spee | 262 | Ferdinand Lie, Reinder Kuitert and Andrej Zentner |
| Estimating arch length discrepancy through Little’s lrregularity Index for epidemiological use | 269 | Eduardo Bernabe and Carlos Flores-Mir |
| The use of anthropometric proportion indices in the measurement of facial attractiveness | 274 | Raymond Edler, Pragati Agarwal, David Wertheim and Darrel Greenhill |
| How does temperature influence the properties of rectangular nickel-titanium wires? | 282 | Mauricio Tatsuei Sakima, Michel Dalstra and Birte Melsen |
| Nickel in dental plaque and saliva in patients with and without orthodontic appliances | 292 | Ronny Fors and Maurits Persson |
| Galvanic corrosion between orthodontic wires and brackets in fluoride mouthwashes | 298 | Nicolas Schiff, Michael Boinet, Laurent Morgon , Michele Lissac, |
| Non-compliance distalization. A monograph on the clinical management and effectiveness of a jig assembly in Class II malocclusion orthodontic treatment (2005) | 305 | Moschos A. Papadopoulos |
| Cleft Lip palate: Diagnosis and management | 305 | Samuel Berkowtiz |
| Dental hard tissues and bonding (205) | 306 | G.Eliades, D.C. Watts and T. Eliades |

**EUROPEAN JOURNAL OF ORTHODONTICS**

**CONTENTS**

**Vol.28, No.4, Aug. 2006**

|  |  |  |
| --- | --- | --- |
| Is mild dental invagination a risk factor for apical root resorption in orthodontic patients? | 307 | Maria Mavragani, Janya Apisariyakul, Pongsri Brudvik and Knut Andress Selvig |
| Changes in the physical properties of human premolar cementum after application of 4 weeks of controlled orthodontic forces | 313 | w. chutimanutskul, M. Ali Darendeliler, G. Shen, P. Petocz and M. V. Swain |
| Changes in dentofacial morphology after adeno-/tonsillectomy in young children with obstructive sleep apnoea –a 5-year follow-up study | 319 | Lena Zettergren-Wijk, Carl-Magnus Forsberg and Sten Linder-Aronson |
| A thermoplastic mandibular advencemnet device for the management of non-apnoeic snoring: a randomized controlled trial | 327 | Marie E. Cooke and Joanna M. Battagel |
| Root growth in the permanent teeth of 45,X/46, XX females | 339 | Raija Lahdesmaki and Lassi Alvesalo |
| Evaluation of the centroid method of occlusion for studying mandibular and maxillary growth | 345 | Satoru Murata, Shoji Nakamura and Kunishige Nagahara |
| Herbst/multibracket appliance treatment of Class II division 1 malocclusions in early and late and lateaduthood. A prospective cephalometric study of consecutively treated subjects | 352 | Sabine Ruf and hans Pancherz |
| Unilateral molar distalization with a modified slider | 361 | Korkmaz Sayinsu, Fulya Isik, Ferdi Allaf and Tulin Arun |
| A study model based photographic method for assessment of surgical treatment outcome in unilateral cleft lip and palate patients | 366 | Shaymaa Abdulreda Ali, Peter Mossey and Toby Gillgrass |
| Effects of functional orthodontic appliances in the correction of a primary anterior crossbite- changes in craniofacial morphology and tongue position | 373 | Kieko Onodera , Naoko Niikuni, Munemitsu Yanagisawa and Ichiro Nakajima |
| Cephalometric correction factors for bite opening – a dray skull study | 378 | Emily Lam, Andrew N. Quick and Peter Herbison |
| Evaluation of maxillary protraction and fixed appliance therapy in Class III patients | 383 | Ayca Arman, T. Ufuk Toygar and Eyas Abuhijleh |
| A socio-dental approach to assessing children’s orthodontic needs | 393 | Sudaduang Gherunpong, Georgios Tsakos and Aubrey Sheiham |
| Bonding characteristics of a self-etching primer and precoated brackets: an in vitro study | 400 | Sunil Hirani and Martyn Sherriff |
| Treatment planning for the developing dentition | 405 | Helen Rodd and Alyson Wray |
| Communicating in dental practice: stress-free dentistry and improved patient care (2006) | 405 | Ruth Freeman and Gerry Humphris |

**EUROPEAN JOURNAL OF ORTHODONTICS**

**CONTENTS   
 Vol.28–No.5-Oct 2006**

|  |  |  |
| --- | --- | --- |
| Reproducibility of soft tissue landmarks on three-dimensional facial scans | 408 | Jamie R. Gwilliam, Susan J. Cunningham and Tim Hutton |
| The use of three-dimensional imaging in orthodontics | 416 | J. P. Moss |
| Toxicity of used orthodontic archwires assessed by three-dimensional cell culture | 426 | Bart Vande Vannet, Nahid Mohebbian and Heinrich Wehrbein |
| The change of stress distribution on the condyle after mandibular setback surgery | 433 | Koichiro Ueki, Kiyomasa Nakagawa, Shigeyuki Takatsuka and Etsuhide Yamamoto |
| Porcelain surface-conditioning techniques and the shear bong strength of ceramic brackets | 440 | Hakan Turkkahraman and H. Cenker Kucukesmen |
| A randomised clinical trial to investigate bond failure rates using a self-etching primer | 444 | P.G. Murfitt, A. N. Quick, M. V. Swain and G.P. Herbison |
| Effects of surface conditioning on bond strength of metal brackets to all-ceramic surfaces | 450 | Tamer Turk, Duygu Sarac, Y. Sinasi Sarac and Selma Elekdag-Turk |
| Evaluation of an antimicrobial and fluoride-releasing self-etching primer on the shear bond strength of orthodontic brackets | 457 | H. Korbmacher, L. Huck, T. Adam and B. Kahl-Nieke |
| Are the Peer Assessment Rating Index and the Index of Treatment Complextiy, Outcome, and Need suitable measures for orthognathic outcomes? | 462 | K.M. Templeton, R. Powell, M.B. Moore, A.C. Williams and J.R. Sandy |
| Prevalence of malocculusions in Hungarian adolescents | 467 | Katalin Gabris, Sandor Marton and Melinda Madlena |
| Initial changes of centres of rotation of the anterior segment in response to horizontal forces | 471 | Kwangchul Choy, Kyung-Ho Kim and Charles J. Burstone |
| Tongue to palate contact during speech in subjects with and without a tongue thrust | 475 | Landan Eslamian and Amir Peyman Leilazpour |
| Reverse-sequencing chewing patterns before and after treatment of children with a unilateral posterior crossbite | 480 | Maria Grazia Piancino, Francesca Talpone, Paola Dalmasso, Cesare Debernardi, Arthur Lewin and Pieto Bracco |
| A comparison of methods for predicting the size of unerupted permanent canines and premolars | 485 | Mario Legovic, Andrea Novosel, Tomislav Skrijaric, Asja Legovic Barbara Mady and Natasa Ivancic |
| Comparison of tooth size discrepancies among different malocclusion groups | 491 | Hamid Reza Fattahi, Hamid Reza Pakshir and Zohreh Hedayati |
| Orthodontic and orthopaedic changes associated with treatment in subjects with Class III malocclusions | 496 | Jalen Devecioglu Kama, Torun Ozer and Sedat Baran |
| Long-term follow-up of orthodontically treated deep bite patients | 503 | Ulrike Schutz-Fransson, Krister Bjerklin and Rune Lindstens |

**EUROPEAN JOURNAL OF ORTHODONTICS**

**CONTENTS**

**Vol.28, No.6,Dec.2006**

|  |  |  |
| --- | --- | --- |
| How do we evaluate the economics of health care? | 513 | Sanjay Kumar , Alison C. Williams and Jonathan R. Sandy |
| Orthognathic treatment: how much does it cost? | 520 | Sanjay Kumar, Alison c. Williams and Jonathan R. Sandy |
| Primary retention of first permanent mandibular molars in 29 subjects | 529 | Signe Hauberg Nielsen, Karin Binner Becktor and Inger Kjaer |
| The clinical features and aetiological basis of primary eruption failure | 535 | Sofia Ahmad, Dirk Bister and Martyn T. Cobourne |
| Tapered orthodontic miniscrews induce bone-screw cohesion following immediate loading | 541 | Shinya Yano, Mituru Motoyoshi, Miwa Uemura, Akiko Ono and Noriyoshi Shimizu |
| Biomechanical behavior of the periodontal ligament of the beagle dog during the first 5 hours of orthodontic force application | 547 | S. H. Jonsdottir, E. B. W. Giesen and J. C. Maltha |
| The influence of functional orthodontics and mandibular sagittal split advancement cephalometric study | 553 | Bettina Lohrmann, Rainer Schwestka-Polly, Hans Nagerl, Bankmar IHlow and Dietmar Kubein-Meesenburg |
| Which orthodontic archwire sequence? A randomized clinical trial | 561 | N. A. Mandall, C. Lowe, H. V. Worhtington, J. Sandler, S. Derwent, M. Abdi-Oskouei and S. Ward |
| In vitro toxicity evaluation of silver soldering, electrical resistance, and laser welding of orthodontic wires | 567 | Silvia Sestini, Laura Notarantonio, Barbara Cerboni, Carlo Alessandrini, Michele Fimiani, Pietro Nannelli, Antonio Pelagalli and Roberto Giorgetti |
| Maxillary third molar position in Class II malocclusions: the effect of treatment with and withour maxillary premolar extractions | 573 | Guilherme Janson, Laelia Maria Putrick, Jose Fernando Castanha Henriques, Marcos Roberto De Freitas and Rafael Pinelli Henriques |
| A sella turcica bridge in subjects with dental anomalies | 580 | Rosalia Leonardi, Ersilia Barbato, Maurizio Vichi and Mario Caltabiano |
| A systematic review of cephalometric facial soft tissue changes with the Activator and Bionator appliances in Class II division 1 subjects | 586 | Carlos Flores –Mir and Paul W. Major |
| Comparison of the headgear activator and Herbst appliance- effects and post-treatment changes | 594 | Kok Leong Dale Phan, Margareta Bendeus, Urban Hagg, Ken Hansen and A. Bakr M. Rabie |
| Orthodontic treatment need in French schoolchildren: an epidemiological study using the Index of Orthodontic Treatment Need | 605 | Mourad Souames, Francis Bassigny, Nil Zenati, Paul J. Riordan and Marie Laure Boy-Lefevre |
| Anterior open bite treated with a palatal crib and high-  pull chin cup therapy. A prospective randomized study | 610 | Fernando Torres, renato R. Almeida, Marcio Rodrigues de Almeida, Renata R. Almeida-Pedrin,  Fernando Pedrin and Jose F. C. Henriques |
| Preliminary radiographic observations of the tongue-repositioning manoeuvre | 618 | Wilfried G. H. Engelke, Milagros and German Repetto |
| Mastering digital dental photography (2006) | 624 | Wolfgang Bengal |
| Temporomandibular disorders: and evidence-based approach to diagnosis and treatment (2006) | 624 | Daniel mLaskin ,Charles S Green William Hylander |