**European Journal of Orthodontics**

|  |  |  |
| --- | --- | --- |
| Biomechanics of a modified Pendulum appliance-theoretical considerations and in vitro analysis of the force systems | 1 | Gero S. M. Kinzinger and Peter R. Diedrich |
| Improvement of pseudoelasticity and ductility of Beta III titanium alloy- application to orthodontic wires | 8 | P. Laheurte, A. Eberhardt, M. J. Philippe and L. Deblock |
| Visualizing three-dimensional facial soft tissue changes following orthognathic surgery  | 14 | Lucy Miller, David O. Morris and Elizabeth Berry |
| Inclination of the occlusal plane is associated with the direction of the masticatory movement path | 21 | Motonori Sato, Mitsuru Motoyoshi, Masayuki Hirabayashi, Kouhei Hosoi, Narihiro Mitsui and Noriyoshi Shimizu |
| A photogrammetric technique for the analysis of palatal three-dimensional changes during rapid maxillary expansion | 26 | Ida Marini, Giulio Alessandri Bonetti, Vladimiro Achilli and Giuseppe Salemi |
|  Rapid maxillary expansion in adults: cranial stress reduction depending on the extent of surgery | 31 | Christof Holberg, Stefanie Steinhauser and Ingrid Rudzki-Janson |
| Evaluation of the effects of rapid maxillary expansion in growing children using computer tomography scanning: a pilot study  | 37 | Birgit Podesser, Stephen Williams, Adriano G. Crismani and Hans-Peter Bantleon |
| Evaluation of cervical posture following palatal expansion: a 12-month follow-up controlled study | 45 | Simona Tecco, Sergio Caputi and Felice Festa |
| Effects of three-dimensional biometric maxillary distalizing arches and cervical headgear on dentofacial structures | 52 | Ayse T. Altug-Atac and Dilek Erdem |
| The use of three-dimensional oral mucosa cell cultures to assess the toxicity of soldered and welded wires | 60 | Bart Vande Vannet, Jean-Louis Hanssens and Heinrich Wehrbein |
| Epidermal growth factor released in human dental pulp following orthodontic force | 67 | Kathryn Derringer and Roger Linden |
| Muscle thickness, bite force, and craniofacial dimensions in adolescents with signs and symptoms of temporomandibular dysfunction | 72 | Luciano Jose Pereira, Maria Beatriz Duarte Gaviao, Leonardo Rigoldi Bonjardim, Paula Midori Castelo and Andries van der Bilt |
| Malocclusion frequency in Swedish and immigrant adolescents-influence of origin on orthodontic treatment need | 79 | Eva Josefsson, Krister Bjerklin and Rune Lindsten |
| Intra-and inter-examiner reliability of intraoral malocclusion assessment  | 88 | Maja Ovsenik, F. Farcnik and I. Verdenik |
| Influence of panel composition on aesthetic evaluation of adolescent faces | 95 | R.M.A. Kiekens, M.A. van’t Hof, H Straatman, Anne M. Kuijpers-Jagtman and J.C. Maltha |
| Associations between orthopaedic disturbances and unilateral crossbite in children with asymmetry of the upper cervical spine | 100 | Heike Korbmacher, L. Koch, G. Eggers-Stoeder and B. Kahl-Nieke |
| An evaluation of the errors in cephalometric measurements on scanned cephalometric images and conventional tracings | 105 | Korkmaz Sayinsuk, Fulya Isik, Goksu Trakyali and fTulin Arun |
| Maxilliofacial imaging | 109 | T.A. Larheim and P.-L. Westesson |
| Orthodontic management of uncrowded Class II division one malocclusion in children (2006) | 109 | John C. Bennett |
| Orthodontic treatment of the Class II noncompliant patient.Current principles and techniques (2006) | 110 | M.A. Papadopoulos |
| Postgraduate notes in orthodontics, 4th edition (2005) | 111 | Nikki Atack and Jonathan Sandy |

**CONTENTS
 Vol.29–No.1-Feb 2007**

**European Journal of Orthodontics**

**CONTENTS
 Vol.29–No.2 Apr 2007**

|  |  |  |
| --- | --- | --- |
| Effecta of root morphology on stress distribution at the root apex | 113 | Koji Oyama, Mitsuru Motoyoshi, Masayuki Hirabayashi, Kohei Hosoi and Noriyoshi Shimizu |
| Three-dimensional finite-element analysis of maxillary protraction with and without rapid palatal expansion | 118 | Hyung S. Yu, Hyoung S. Baik, Sang J. Sung, Kee D. Kim and Young S. Cho |
| Effects of treatment with a combined maxillary protraction and chincap appliance in sketetal Class III patients with different vertical skeletal morphologies | 126 | Ikue Yoshida, Takahiro Shoji and Itaru Mizoguchi |
| A radiographic analysis of external apical root resorption of maxillary incisors during active orthodontic treatment | 134 | Hooman Mohandesan, Hossein Ravanmehr and Nasser Valaei |
| Effects of activator and high-pull headgear combination therapy: skeletal, dentoalveolar, and soft tissue profile changes | 140 | Gulnaz Marsan |
| Masticatory muscle thickness, bite force, and occlusal contacts in young children with unilateral posterior corssbite | 149 | Paula Midori Castelo, Maria Beatriz Duarte Gaviao, Luciano Jose Pereira and Leonardo Rigoldi Bonjardim |
| The effects of oral health education on dental plaque development and the level of caries-related Streptococcus mutans and Lactobacillus spp. | 157 | Grazyna Smiech-Slomkowska and Joanna Jablonska-Zrobek |
| Bacteraemia following debanding and gold chain adjustment | 161 | Victoria S. Lucas, Anna Kyriazidou, Marilyn Gelbier and Graham J. Roberts |
| Prevalence of accessory tooth cusps in a contemporary and ancestral Hungarian population | 166 | K. Mavrodisz, N. Rozsa, M. Budai, A. Soos, I. Pap and I. Tarjan |
| Orthodontic pain: from causes to management – a review  | 170 | Vinood Krishnan |
| Who knows more about the impact of malocclusion on children’s quality of life, mothers or fathers? | 180 | Man Zhang, Colman McGrath and Urban Hagg |
| An index of orthodontic treatment complexity | 186 | Stuart K. Llewellyn, Ahmad M. Hamdan and William P. Rock |
| Assessment of arch constriction in patients with bilateral cleft lip and palate and isolated cleft palate: a pilot study | 193 | Catherine Tothil and Peter A. Mossey |
| The cytotoxicity of orthodontic metal bracket immersion media  | 198 | Chia-Tze Kao, Shinn-Jyh Ding, Yan Min, Ting Cheng Hsu, Ming-Yung Chou and Tsui-Hsien Huang |
| Cervical spine curvature and craniofacial morphology in an adult Caucasian group: a multiple regression analysis | 204 | Simona Tecco and Felice Festa |
| Localized orthodontic space closure for unilateral aplasia of lower secong premolars | 210 | Bernd Zimmer, Ina Schelper and Nasrin Seifi-Shirvandeh |
| A guide to general dental practice (2006) | 217 | Nick Priest, Hardev Seehra and Murray Wallace |
| Clinical success in surgical and orthodontic treatment of impacted teeth (2006) | 217 | Jean-Marie Korbendau and Antonio Patti |
| Color atlas of dental hygiene-periodontology (2006) | 208 | Herbert F. Wolf and Thomas M. Hassell |

**EUROPEAN JOURNAL OF ORTHODONTICS**

|  |  |  |
| --- | --- | --- |
| Tissue changes, particularly of the bone, incident to tooth movement  | i2 | Albin Oppenheim |
| The principles and art of retention  | i16 | C. A. Hawley |
| The surgical-orthopaedic treatment of lower protrusion | i23 | Herbert Hofrath |
| The Norwegian system of orthodontic treatment | i26 | Rolf Grude |
| Some remarks on the so-called ‘functional orthopaedic treatment of the jaw’ | i36 | F. Neumann |
| Serial extraction as a corrective procedure in dental orthopaedic therapy | i37 | Birger Kjellgren |
| An investigation of 202 pairs of twins regarding fundamental factors in the aetiology of malocclusion | i51 | Anders Lundstrom |
| The tissue reaction as related to the functional factor | i58 | Kaare Reitan |
| The familial line, studied by a new line of reference | i65 | Lucien De Coster |
| The retention of removable appliances with the modified arrowhead clasp | i68 | C.P. Adams |
| The association between the spacing of the incisors in the temporary and permanent dentitions of the same individuals | i69 | Beni Solow |
| A longitudinal study of the mediodistal crown diameters of the deciduous teeth and their permanent successors | i75 | Lilah M. Clinch |
| Sutural growth of the upper face studied by the implant method  | i82 | Arne Bjork |
| The early signs of malocclusion | i89 | B.C. Leighton |
| The differential roles of periosteal and capsular functional matrices in orofacial growth  | i96 | Melvin L. Moss |
| Effect of cervical anchorage studied by the implant method  | i102 | Birte Melsen and Hans Enemark |
| The guidance of eruption without extraction | i107 | Rolf Frankel |
| Changes of the soft tissue profile during growth  | i114 | Per Johan Wisth |
| The mandibular complex | i118 | Kalevi Koski |
| Orthodontics in the Swedish Public Dental Health Service | i124 | Sten Linder-Aronson |
| Direct bonding in orthodontic treatment and retention a post-treatment evaluation | i128 | Bjorn U. Zachrisson |

**CONTENTS
 Vol.29–No.Supp. Apr 2007**

**EUROPEAN JOURNAL OF ORTHODONTICS**

**CONTENTS
 Vol.29–No.3-June 2007**

|  |  |  |
| --- | --- | --- |
| Biomechanical finite-element investigation of the position of the centre of resistance of the upper incisors  | 219 | S. Reimann, L. Keilig, A. Jager and Christoph Bourauel |
| A new idea and method of tooth movement using a ratchet bracket | 225 | Koji Noda, Yoshiki Nakamura, Takashi Oikawa, Satoshi Shimpo, Kyotaro Kogure and Ayao Hirashita |
|  The craniofacial characteristics of osteogenesis imperfecta patients | 232 | Pei-Ching Chang, Shiao-Yu Lin and Kuang-Hung Hsu |
| A longitudinal study of craniofacial growth in idiopathic short stature and growth hormone-deficient boys treated with growth hormone | 243 | H. Kjellberg and K. Albertsson Wikland |
| Comparison of nasal volume changes during rapid maxillary expansion using acoustic rhinometry and computed tomography | 251 | Cenk Doruk, Oral Sockucu, A. Altug Bicakci, Ugur Yilmaz and Fikert Tas |
| Dental stability and radiographic healing patterns after mandibular symphysis widening with distraction ostegenesis | 256 | Young-Wook Chung and Ki-Chul Tae |
| Neurosensory and functional impairment in sagittal split osteotomies: a longitudinal and long-term follow-up study | 263 | Christof Urs Joss and Urs Walter Thuer |
| A controlled clinical trial of the effects of the Twin Block and Dynamax appliances on the hard and soft tissues | 272 | R. T. Lee, C. S. Kyi and G.J. Mack |
| Stepwise advancement versus maximum jumping with headgear activator | 283 | Mang Chek Wey, Margareta Bendeus, Li Peng, Urban Hagg, A. Bakr M. Rabie and Wayne Robinson |
| Caries lesions after orthodontic treatment followed by quantitative light-induced fluorescence: a 2-year follow-up | 294 | T.J. H. Mattousch, M.H. van der Veen and A. Zentner |
| The effect of a light-emitting diode on shear bond strength of ceramic brackets bonded to feldspathic porcelain with different curing times | 299 | Selma Elekdag-Turk, Y. Sinasi Sarac, Tamer Turk and Duygu Sarac |
| Influence of fibre and filler reinforcement of plastic brackets: an in vitro study | 304 | Andreas Faltermeier, Martin Rosentritt, Rupert Faltermeier and Dieter Mubing |
|  Bite force in children with unilateral crossbite before and after orthodontic treatment. A prospective longitudinal study  | 310 | Liselotte Sonnesen and Merete Bakke |
| Stability of upper incisor inclination changes in Class II division 2 patients | 314 | H. Devreese, G. De Pauw, G.Van Maele, A.M. Kuijpers-Jagtman and L. Dermaut |

**EUROPEAN JOURNAL OF ORTHODONTICS**

**CONTENTS**

**Vol.29, No.2, Aug. 2007**

|  |  |  |
| --- | --- | --- |
| Analysis of tooth movement in extraction cases using three-dimensional reverse engineering technology | 325 | Bong Kuen Cha, Jae Yong Lee, Paul-Georg Jost-Brinkmann and Noriaki Yoshida |
| Orhodontic-orthognathic surgical treatment of a subject with Williams-Beuren syndrome-a follow-up from 8 to 25 years of age | 332 | Karin Habersack, Bernadette Grimaldi and Gerhard W. Paulus |
| Periodontal healing following orthodontic movement of rat molars with intact versus damaged periodontia towards a bony defect | 338 | Carlos E. Nemcovsky, Merav Sasson, Leah Beny, Miron Weinreb and Alexander D. Vaardimon |
| Quantitative evaluation of lip symmetry in skeletal asymmetry  | 345 | Talia Gazit-Rappaport, Esther Gazit and Miron Winreb |
| Immunohistochemical localization of epithelial rests of Malassez in human periodontal membrane | 350 | Karin Binner Becktor, Dorrit Nolting, Jonas Peter Becktor and Inger Kjaer |
| In vitro colour stability of aesthetic brakets | 354 | Andreas Faltermeier, Michael Behr and Dieter MuBig |
| Frictional properties of aesthetic brackets  | 359 | C. A. Reicheneder, U. Baumert, T. Gedrange, P. Proff, A. Faltermeier and D. Muessig |
| Ranking dental aesthetics and thresholds of treatment need: a comparison between patients, parents, and dentists | 366 | Ahmad M. hamdan, Lyad K. Al-Omari and Zaid B. Al-Bitar |
| Cost-effectiveness and patient satisfaction: Hawley and vacuum-formed retainers | 372 | Lisa Hichens, Heidi Rowland, Alison Williams, Sandra Hollinghurrst, Paul Ewings, Steven Clark, Anthony Lreland and Jonathan Sandy |
| Multitomographic evaluation of the dental effects of two different rapid palatal expansion appliances | 379 | Huseyin Olmez, Erol Akin and Seniz Karacay |
| Shear bond strength of orthodontic brackets bonded to different ceramic surfaces  | 386 | Elham S. J. Abu Alhaija and Ahed M. S. Al-Wahadni |
| An in vitro investigation of the influence of self-ligating brackets, low friction ligatures, and archwire on frictional resistance | 390 | Simona Tecco, Donato Di Iorio, Giancarlo Cordasco, Italia Verrocchi and Felice Festa  |
| Cervical column morphology reated to head posture, cranial base angle, and condylar malformation  | 398 | Liselotte Sonnesen, Claus Egemose Pedersen and Inger Kjaer |
| Oestrogenicity of orthodontic adhesive resins  | 404 | T. Eliades, V. Gioni, D. Kletsas, A. E. Athanasiou and G. Eliades |
| Differences between high- and low-angle subjects in arch form and anterior crowding from 23 to 33 years of age | 413 | Olav Bondevik |
| Three-dimensional hard tissue palatal size and shape in Down syndrome subjects | 417 | Claudia Dellavia, Chiarella Sforza, Ffabiana Orlando, Paolo Ottolina, Fabrizio Pregliasco and virgilio F. Ferrario |
| Panoramic radiology (2006) | 423 | John Rout |

**European Journal of Orthodontics**

**CONTENTS**

**Vol.29, No.4, Oct. 2007**

|  |  |  |
| --- | --- | --- |
| Beni Solow Award | 425 |  |
| The effect of mode of breathing on craniofacial growth-revisited | 426 | Timo Peltomaki |
| A comparison fo accuracy in bracket positioning between two techniques-localizing the centre of clinical crown and measuring the distance from from the incisal edge | 430 | David Armstrong, gang Shen, Peter Petocz and M. Ali Drendeliler |
| Osseointegration of miniscrews: a histomorphometric evaluation  | 437 | Bart Vande Vannet, Mehran Moradi Sabzevar, Heinrich Wehrbein and Karlien Asscherickx |
| Removal torque of sosseointegrated mini-imlants: an in vivo evaluation  | 443 | Luca Giuseppe Favero, Andrea Pisoni and Corrado Paganelli  |
| A cephalometric morphometric study of the sella turcica | 449 | M. Andredaki, A. Koumantanou, D. Dorotheou and D. J. Halazonetis |
| The shape and size of the sella turcica in skeletal Class I, Class II, and Class III Saudi subjects | 457 | Eman A. Alkofide |
| Cerviacal vertebral body dusions in patients with skeletal deep bite  | 464 | Liselotte Sonnesen, and Kjaer |
| Long-term periodontal status of patients with mandibular lingual fixed retention | 471 | N. Pandis, K. Vlahopoulos, P. Madianos and T. EIiades  |
| Periodontal conditions in subjects following orthodontic therapy. A preliminary study | 477 | Sabrina Carvalho gomes, Carolina Cauduro Varela, Sandra Leal da Veiga, Cassiano Kuchenbecker Rosing and Rui Vicente Oppermann |
| Long-term follow-up of tooth mobility in maxillary incisors with orthodontically induced apical root resorption  | 482 | Anna Jonsson, Olle Malmgren and Eva Levander |
| Comparison of different toothbrushing protocols in poor-toothbrushing orthodontic patients | 488 | Selim A4rici, Arzu Alkan and Nursel Arici |
| Comparison of cephalometric norms between Japanese and Caucasian adults in antero-posterior and vertical dimension | 493 | Hideki Ioi, Shunsuke Nakata, Akihiko Nakasima and Amy L. Counts |
| Dentofacial characteristics of growing patients with Duchenne muscular dystrophy: a morphological study  | 500 | Catherine Morel-Verdebout, Sebastien Botteron and Stavros Kiliaridis  |
| Evaluation of changes in the vertical facial dimension with different anchoragte systems in extraction and non-extraction subjects treated by Begg fixed appliances: a retrospective study  | 508 | Pinar Alkumru, Dilek Erdem and Ayse T. Altug-Atac |
| Three-dimensional imaging of orthodontic models: a pilot study  | 517 | Jennifer Asquith, toby Gillgrass and Peter Mossey |
| Follow-up study of functional and morphological malocclusion trait changes from 3 to 12 years of age | 523 | Maja Ovsenik, Franc Marjan Farcnik, Majda Korpar and Ivan Verdenik |
| The impact of buccal corridors on smile attractiveness | 530 | Adam J. Martin, Peter H. Buschang. Jimmy C. Boley, Reginald W. Taylor and Thomas W. McKinney |
| Report on the 83rd Congress and 100th anniversary of the European Orthodontic Society | 538 |  |
| Special care dentistry (2007) | 541 | Janice Fiske , Sobia Rafique ,Carole Boyle ,Mary Burke |
| An introduction to orthodontics, 3rd edition (2007) | 542 | Laura Mitchell |

**EUROPEAN JOURNAL OF ORTHODONTICS**

**CONTENTS**

**Vol.29, No.6, Dec. 2007**

|  |  |  |
| --- | --- | --- |
| Three-dimensional changes in the position of unopposed molars in adults | 543 | P. Christou and S. Kiliaridis  |
| A method for producing controlled fluoride release from an orthodontic bracket | 550 | Song Li, Ross S. Hobson, Yuxing Bai, Zhuoqun Yan, Thomas E. Carrick and John F. McCabe |
| The role of nickel accumulation and epithelial cell proliferation in orthodontic treatment-induced gingival overgrowth  | 555 | Ulvi Kahraman Gursoy, Oral Sokucu, Veli-Jukka Uitto, Ahmet Aydin, Serhat Demirer, Hulya toker, Onur Erdem and Ahmet Sayal |
| An in vitro comparative assessment of different enamel contaninants during bracket bonding  | 559 | Andreas faltermeier, Michael Behr, Martin Rosentritt, Claudia Reicheneder and Dieter MuBig |
| Development of a device to measure bracket debonding force in vivo | 564 | Jose Renato Prietsch, Ana Maria Spohr, Isaac Newton Lima da Silva, Joao Carlos Pinheiro Beck and Hugo Mitsuo Silva Oshima |
| Evaluation of the debonding strength of orthodontic brackets using three different bonding systems  | 571 | R. Valletta, B. Prisco, R. De Santis, L. Ambrosio and R. Martina |
| The effect of ligation on the load-deflection characteristics of nickel-titanium orthodontic wire | 576 | Shugo Kasuya, Satoshi Nagasaka, Ai Hanyuda, Sadao Ishimura and Ayao Hirashita |
| Apical root resorption of upper incisors during the torquing stage of the tip-edge technique | 583 | M. van Loenen, L. R. Dermaut, J. Degrieck and G. A. De Pauw |
| Three-dimensional analysis of orthodontic tooth movement based on XYZ and finite helical axis systems | 589 | Kazuo Hayashi, Jun Uechi, Seung-Pyo Lee and Itaru Mizoguchi |
| Orhtodontic tooth movement after different coxib therapies  | 596 | Felix de Carlos, Juan cobo, Carmen Perillan, Miguel A. Garcia, Juan Arguelles, Manuel Vijande and Marina Costales |
| Use fo the centroid method of occlusion for studying the vertical and horizontal relationship of the mandible and maxilla  | 600 | Satoru Murata |
| The effects of TBC3214, a selective endothelin ETa receptor antagonist, on orthodontic tooth movement in rats | 605 | S. Sprogar, J. Volk, M. Drevensek and G. Drevensek |
| Reduced mandibular cast splints-an alternative in Herbst therapy? A prospective multicentre study  | 609 | Julia von Bremen, Hans Pancherz and Sabine Ruf |
| Success rate and efficiency of activator treatment  | 614 | Christoph cautt, Hans Pancherz, Manfred Gawora nad Sabine Ruf |
| Is unilateral posterior crossbite associated with leg length inequality?  | 622 | Ambra Michelotti, Mauro Farella, Gerarda Buonocore, Gioacchino Pellegrino, Carlo Piergentili and Roberto Martina |
| Application of Pont’s Index to a Jordanian population  | 627 | Iyad K. Al-Omari, Ramzi B. Duaibis and Zaid B. Al-Bitar  |
| A clinical-experimental simulation of changes in intercanine width associated with the correction of crowding: a pilot study  | 632 | Hans Wellens |
| Extraction versus non-extraction: evaluation by digital subtraction radiography | 639 | Sercan Akyalcin, Serpil Hazar, Pelin Guneri, Selin Gogus and Alihan Mediha Ertan Erdinc |
| Angles of facial convexity in different skeletal Classes | 648 | Arnim Godt, Anett Muller, Matthias Kalwitzki and Gernot Goz |
| Assessment of malocclusion in the permanent dentition: reliability of intraoral measurements | 654 | Maja Ovsenik |
| Radiographic cephalometry: from basics to 3D imaging, 2nd edition (2006) | 660 | Alexdenger Jacobson ,Richard Jacobson |
| Enhancement orthodontics: theory and practice (2007) | 660 | Marc Bernard Ackerman |
| Skeletal anchorage with microimplants (2007) | 661 | 1. Korrodi Ritto
 |
| Orhto TADs: the clinical guide and atilas (2007) | 661 | Jason B.Scope |
| The orthodontic treatment of impacted teeth, 2nd edition (2007) | 662 | Adrian Becker |