**EUROPEAN JOURNAL OF ORTHODONTICS**

**CONTENTS
 Vol.31–No.1-Feb 2009**

|  |  |  |
| --- | --- | --- |
| Abnormal mandibular growth and the condylar cartilage | 1 | Pertti Pirttiniemi, Timo Peltomaki, Lukas Muller and Hans. U. Luder |
| Numerical/experimental analysis of the stress field around miniscrewes for orthodontic anchorage | 12 | 1. Gracco, A. Cirignaco, M. Cozzani, A. Boccaccio, C. Pappalettere and G. Vitale
 |
| Immediate loading of orthodontic mini-implants: a histomorphometric evaluation of tissue reaction | 21 | Cesare Luzi, Carlalberta Verna and Birte Melsen |
| Hyalinization during orthodontic tooth movement: a systematic review on tissue reactions | 30 | Martina von Bohl and Anne Marie Kuijpers-Jagtman |
| Morphological changes in the rat periodontal ligament and its vascularity after experimental tooth movement using superelastic forces | 37 | Koji Noda, Yoshiki Nakamura, Kyotaro Kogure and Yoshiaki Nomura |
| Orthodontic force decreases the eruption rate of rat incisors  | 46 | M. Drevensek, J. Volk, S. Sprogar and G. Drevensek |
| Variation in dentofacial morphology an occlusion in juvenile idiopathic arthritis subjects: a case-control study | 51 | Yuqian Hu, An D. Billiau, An Verdonck, Carine Wouters and Carine Carels |
| Morphology of the mandibular canal and the angulation between the mandibular and mental canals in dry skulls | 59 | S.R. Palsson and I. Kjaer |
| The effects of Delaire cheilorhinoplasty on midfacial growth in patients with unilateral cleft lip and palate | 64 | Rosario Rullo, Gregorio Laino, Marisa Cataneo, Nicoletta Mazzaella, Vincenzo Maria Festa and Fernando Gombos |
| Abbnormal tooth size and morphology in subjects with cleft lip and/or palate in the north of England | 68 | Sally C. Waler, C.Rye Mattick, Ross S. Hobson and I. Nick Steen |
| Evaluation of the variable anchorage straightwire technique using Ricketts’ growth prediction | 76 | Konstantinos A. Parikakis, Svante Moberg and Eva Hellsing |
| Debonding characteristics of a polymer mesh base ceramic bracket bonded with two different conditioning methods | 84 | Selma Elekdag-Turk, Devrim Isci, Nurhat Ozkalayci and Tamer Turk |
| An exploratory study of the cost-effectiveness of orthodontic care in seven European countries | 90 | Jamie Deans, Rebecca Playle, Peter Durning and Stephen Richmond |
| Factors determining perceived orthodontic treatment need in adolescents of Swedish and immigrant background | 95 | Eva Josefsson, Krister Bjerklin and Rune Lindsten |
| In vitro tooth cleaning efficacy of manual toothbrushes around brackets | 103 | Marc Schatzle, Thomas Imfeld, Beatrice Sener and Patrick R. Schmidlin |
| Managing orpfacial pain in pratice | 108 | Eamonn Murphy |

**EUROPEAN JOURNAL OF ORTHODONTICS**

**CONTENTS**

**Vol.31-No.2- April 2009**

|  |  |  |
| --- | --- | --- |
| Dentoalveolar development in subjects with normal occlusion. A longitudinal study between the ages of 5 and 31 | 109 | Birgit Thilander |
| Evaluation of tooth position, occlusion, and interproximal contacts after transplantation of immature third molars | 121 | Oskar Bauss and Stavros Kiliaridis |
| Accuracy of three-dimensional measurements obtained from cone beam computed tomography surface-rendered images for cephalometric analysis: influence of patient scanning position | 129 | Bassam Hassan, Paul van der Stelt and Gerard Sanderink |
| Effects of rapid maxillary expansion on the airways and ears- a pilot study  | 135 | Susanne Chiari, Peter Romsdorfer, Herwig Swoboda, Hans-Peter Bantleon and Josef Freudenthaler |
| Surgically assisted rapid maxillary expansion: long-term stability  | 142 | Anders Magnusson, Krister Bjerklin, Peter Nilsson and Agneta Marcusson |
| Haavikko’s method to assess dental age in ltalian children | 150 | Andrea Carlo Butti, Alberto Clivio, Monica Ferraroni, Elena Spada, Alberto Testa and Antonino Salvato |
| An alternative to study model storage  | 156 | O.H. Malik, M. Abdi-Oskouei and N. A. Mandall |
| Dental arch morphology in children with sleep-disordered breathing | 160 | Kirsi Pirila-Parkkinen, Pertti Pirttiniemi, Peter Nieminen, Uolevi Tolonen, Ulla Pelttari and Heikki Lopponen |
| Dental Aesthetic Index scores and perception of personal dental appearance among Turkish university students | 168 | Nihal Hamamci, guvenc Basaran and Ersin Uysal |
| Angular photogrammetric analysis of the soft tissue facial profile of Turkish adults | 174 | Siddik Malkoc, Abdullah Demir, Tancan Uysal and Naci Canbuldu |
| Orthodontic treatment need in Spanish schoolchildren: an epidemiological study using the Index of Orthodontic treatment Need | 180 | David Manzanera, Jose Maria Montiel-Company, Jose Manuel Almerich-Silla and Jose Luis Gandia |
| Evaluation of the Dental health Component, of the Index of Orthodontic Treatment Need, by Swedish orthodontists | 184 | Anneli M. Johansson and Marie E. follin |
| Patients’ perceptions, treatment need, and complexity of orthodontic re=-treatment | 189 | Yijin Ren, Christo Boxum and Andrew Sandham |
| Myosin proteins identified from masseter muscle using quantitative reverse transcriptase-polymerase chain reaction-a pilot study of the relevance to orthodontics | 196 | Archna Suchak, Nigel P. Hunt, Rishma Shah, Andrea C. M. Sinanan, tim LIoyd and Mark P. Lewis |
| Analysis of supra- and subgingival long-term biofilm formation on orthodontic bands | 202 | 1. Bemling, W. Heuer,C.Elter,T. Heidenblut,Fr.W. Bach, R.Schwestka-Polly and M. Stiesch-Scholz
 |
| Shear bond strength of brackets bonded to amalgam with different intermediate resins and adhesives  | 207 | Derya germec, Umut Cakan, Fulya Isik Ozdemir, Tulin Arun and Murat Cakan |
| The 20 principles of the Alexander discipline (2008) | 213 | R.G.Wick Alexender |
| Master dentistry: Restorative dentistry, paediatric dentistry and orthodontics, 2nd edition (2008) | 214 | Peter heasmen |
| Oral radiology. Priciples and interpretation, 6th edition (2008) | 214 | Stuart C White , Michael j. Pharoah |
| Mini-implants in orthodontics. Innovative anchorage concepts (2008)  | 215 | Bjorn Ludwig, Sebastian Baumgaertel and S.jay Bowman |
| Comprehensive dentistry (2008) | 215 | Masahide Tsutsui and Teruko Tsutsui |
| Orofacial pain. Guidelines for assessment, diagnosis, and management, 4th edition (2008) | 216 | Reny de Leeuw |
| Applied occlusion (2008) | 217 | Robert Wassell, Amar naru ,Jimmy Steele and Francis Nohl |
| Orthodontic miniscrew implants (2008) | 217 | Ceol-Ho Paik ,  |
| Honorary secretary of the European orthodontic society | 219 |  |

**European Journal of Orthodontics**

**CONTENTS
 Vol.31–No.3-June 2009**

|  |  |  |
| --- | --- | --- |
| Induction of osteopenia during experimental experimental tooth movement in the rat: alveolar bone remodeling and the mechanostat theory | 221 | Trudy J. Milne, Ionut Ichim, Bhavik Patel, Andrew McNaughton and Murray C. Meikle, |
| The effect of force, timing, and location on bone-to-implant contact of miniscrew implants | 232 | P.W. Woods, P.H. Buschang, S.E. Owens, P.E. Rossouw and L.A. Opperman |
| Comparison of cephalometric measurements with digital versus conventional cephalometric analysis | 241 | Erkan Celik, Omur Polat-Ozsoy and T. Ufuk Toygar Memikoglu |
|  A comparison of manual traced images and corresponding scanned radiographs digitally traced | 247 | Julia Naoumova and Rolf Lindman |
| Differences in cephalometric measurements: a comparison of digital versus hand-tracing methods | 254 | Omur Polat-Ozsoy, Aylin Gokcelik and T. Ufuk Toygar Memikoglu |
| Morphological characterization of as-received and in vivo orthodontic stainless steel archwires | 260 | Julie Daems, Jean-Pierre Celis and Guy Willems |
|  Should silence coupling agents be used when bonding brackets to composite restorations? An in vitro study | 266 | Ladan Eslamian, Amir Ghassemi, Fariborz Amini, Alireza Jafari and Mona Afrand |
| Comparison of a recently developed nanofiller self-etching primer adhesive with other self-etching primers and conventional acid etching | 271 | Guvenc Basaran, Torun Ozer and Jalan Devecioglu Kama |
| Effects of adhesion promoters on the shear bond strengths of orthodontic brackets to fluorosed enamel | 276 | Necdet Adanir, Hakan Turkkahraman and Ahmet Yalcin Gungor |
| Index of Complexity, Outcome and Need scored on plaster and digital models | 281 | A.C. Veenema, C. katsaros, S.C. Boxum, E.M. Bronkhorst and A.M. Kuijpers-Jagtman |
| Orthodontic treatment practices in Finnish municipal health centres with differing timing of treatment  | 287 | I.Pietilla, T. Pietila, A.-L. Svedstrom-Oristo, J. Varrela and P.Alanen |
| Occlusal status and prevalence of occlusal malocclusion traits among 9-year-old schoolchildren | 294 | Christopher J. Lux, Britta Ducker, Maria Pritsch, Gerda Komposch and Uwe Niekusch |
| Craniofacial profile in Southern Chinese with hypodontia  | 300 | Doreen W.S. Chan, Nabil Samman and Anne S. McMillan |
| Correlation between morphology and function of the upper lip: a longitudinal evaluation  | 306 | Aldrieli Regina Ambrosio, Paula Cristina Trevilatto, Tatsuko Sakima, Sergio Aparecido Ignacio and Roberto Hideo Shimizu |
| Pain intensity during the first 7 days following the application of light and heavy continuous forces | 314 | Mikinori Ogura, Hiroki Kamimura, Abdullah Al-Kalaly, Kunihiro Nagayama, Koji Taira, Junko Nagata and Shouichi Miyawaki |
| Routine treatment of bilateral aplasia of upper lateral incisors by orthodontic space closure without mandibular extractions | 320 | Bernd Zimmer and Nasrin Seifi-Shirvandeh |
| Antero-posterior and transverse changes in the positions of palatal rugae after rapid maxillary expansion | 327 | Janalt Damstra, Dharmesh Mistry, Claudia Cruz and Yijin Ren |
| Comparative efficiency of Class II malocclusion treatment with the pendulum appliance or two maxillary premolar extractions and edgewire appliances | 333 | Celia Regina Maio Pinzan-Vercelino, Guilherme Janson, Arnaldo Pinzan, Renato Rodrigues de Almeida, Marcos Roberto de Freitas and Karina Maria Salvatore de Freitas |
| Illustarated lecture notes in oral and Maxilliofacial Surgery (2008) | 341 | George Dimitroulis |
| Evidence Based dentistry:managing information for better pratice | 341 | Derek Richards, Jan Clarkson, Debora Matthews and Rick Niekerman |
| Management of cleft lip and palate in the developing world (2008) | 342 | Michael Mars, Debbie Sell and Alex Habel |
| Osseointegration. On continuing synergies in surgery, prosthodontics and biomaterials (2008) | 343 | George A. Zarb, Tomas Albrektsson, Gerald Baker, Steven E. Eckert, Clark Stanford, Dennis Tarnow and Ann Wenneberg |

**EUROPEAN JOURNAL OF ORTHODONTICS**

**CONTENTS**

**Vol.31- No.4-Aug. 2009**

|  |  |  |
| --- | --- | --- |
| ABSTRACTS OF LECTURES AND POSTERS |  E1 |  |
| Beni solow award | 345 |  |
| Dynamics of orthodontic root resorption and repair in muman premolars: a light microscopy study  | 346 | Bjorn U. Winter, Arild Stenvik and Vaska Vandevska-Radunovic |
| Early crossbite correction: a three-dimensional evaluation | 352 | Jasmina Primozic, Maja Ovsenik, Stephen Richmond, Chung How Kau and Alexei Zhurov |
| Prevalence of a posterior crossbite and sucking habits in Brazilian children aged 18-59 months | 357 | Maria Carolina Bandeira Macena, Cintia Regina Tornisiello Katz and Aronita Rosenblatt |
| Palatally impactecd canines and the modified index of orthodontic treatment need  | 362 | S. T. Barlow, M. B. Moore, M. Sherriff, A.J. Ireland and J. R. Sandy |
| Dental and occlusal features in patients with palatally displaced maxillary canines | 367 | Sandra Anic-Milosevic, Suzana Varga,Senka Mestrovic,Marina Lapter-Varga and Mladen Slaj |
| Prevalence and distribution of permanent canine agenesis in dental paediatric and orthodontic patients in Hungary | 374 | N. Rozsa, K. Nagy, Z. Vajo, K. Gabris, A. Soos, M. Alberth and I. Tarjan |
| Prevalence and type of pain during conventional and self-ligating orthodontic treatment | 380 | Simona tecco, Michele D’Attilio, Stefano tete and Felice Festa |
| The effect of herbal teas on the shear bond strength of orthodontic brackets | 385 | Cagri Ulusoy, Arzu Mujdeci and Osman Gokay |
| Microleakage beneath brackets bonded with flowable materials: effect of thermocycling | 390 | Ascension Vicente,Antonio J. Ortiz and Luis A. Bravo |
| Enamel colour changes at debonding and after finishing procedures using five different adhesives  | 397 | Goksu trakyali, fulya Isik Ozdemir and Tulin Arun |
| Effects of different silanes and acid concentrations on bond strength of brackets to porcelain surfaces  | 402 | Goksu trakyah, Ozlem Malkondu, ender Kazazoglu and tulin Arun |
| Reduction of salivary mutans streptococci in orthodontic patients during dainly consumption fo yoghurt containing probiotic bacteria | 407 | Sule Kavaloglu Cildir, Derya Germec, Nuket Sandalli, fulya Isik Ozdemir, Tulin Arun, Syante Twetman and esber Caglar |
| Miniscrews for upper incisor intrusion | 412 | Omur Polat-ozsoy, Ayca Arman-Ozcirpici and Firdevs veziroglu  |
| Comparison of the zygoma anchorage sytem with cervical headgear in buccal segment distalization  | 417 | Burcak Kaya, Ayca Arman, Sina Uckan and Ayse Canan Yazici |
| Is bodily adbvancement of the lower incisors possible? | 425 | Catherine Strahm, Ana Paula De Sousa, Dominique Grobety, anestis Mavropoulos and Stavros Killaridis |
| A survey on orthodontic retention procedures in the Netherlands  | 432 | Anne Marie Renkema, Elke tilly Helene Sips, ewald Bronkhorst and anne Marie Kuijpers-Jagtman |
| Reliability of growth prediction with hand-wrist radiographs  | 438 | Damian Verma, Timo Peltomaki and Andreas Jager |
| Orthodontists’ and laypersons’ aesthetic assessment of Class Iii subjects referred for orthognathic surgery | 443 | M. Fabre, C. Mossaz, P.Christou and S. Kiliaridis  |
| Standards of soft tissue Arnett analysis for surgical planning in Turkish adults | 449 | Tancan Uysal, Ahmet Yagci, Faruk Ayhan Basciftci and Yildiray Sisman |
| Radiographic imaging for the dental team, 4th edition (2008) | 457 | Dale Miles , Margot Van Dis ,Gail Williamson and Catherine jensen |
| Oral anatomy, histology and embryology, 4th edition (2009) | 457 | B.K.B Berkovitz, G R Holland and B.j. Moxham |

**EUROPEAN JOURNAL OF ORTHODONTICS**

**CONTENTS
 Vol.31–No.6-Oct 2009**

|  |  |  |
| --- | --- | --- |
| Gender and age differences in facial expressions | 459 | Odyssia Houstis and Stavros Kiliaridis |
| Prevalence of malocclusion and its relationship with socio-demographic factors, dental caries, and oral hygiene in 12-to 14-year-old Tanzanian schoolchildren | 467 | Matilda Mtaya, Pongsri Brudvik and Anne Nordrehaug Astrom |
| Malocclusion and occlusal traits in an urban Iranian population. An epidemiological study of 11-to 14-year-old children | 477 | Ali Borzabadi-Farahani, Anahid Borzabadi-Fraahani Eslamipour |
| A comparison of health-related quality of life between Jordanian and British orthoganthic patients | 485 | Zaid B. Al-Bitar, Iyad K. Al-Omari, Hazem T. Al-Ahmad, Mohammed A.EI |
| Health risk from occlusal interferences in females | 490 | Pentti Kirveskari and Tapio Jamsa |
| Determination of craniofacial growth in patients with untreated Class III malocclusions and anterior crossbites using the centroid method | 496 | Satoru Murata |
| Improving the concordance between various anteroposterior cephalometric measurements using Procrusted analysis | 503 | Hans Wellens |
| Compensation for vertical dysplasia and its clinical application  | 516 | Nabila Anwar and Mubassar Fida |
| Evaluation of speed, repeatability , and reproducibility of digital radiography with manual versus computer-assisted cephalometric analyses | 523 | Tancan Uysal, Asli Baysal and Ahmet Yagci |
| Matrix metalloproteinases and tissue inhibitors of metalloproteinases in gingival crevicular fluid during orthodontic tooth movement | 529 | M.M. Bildt, M. Bloemen, A. M. Kuijpers-Jagtman and J.W. Von den Hoff |
| The P561T polymorphism of the growth hormone receptor gene has an inhibitory effect on mandibular growth in young children | 536 | Yasunori Sasaki, Kyoko Satoh, Haruaki Hayasaki, Satoshi Fukumoto, Taku Fujiwara and Kazuaki Nonaka |
| Enamel demineralization with two forms of archwire ligation investigated using an in situ caries model- a pilot study | 542 | Gustavo Hauber Gameiro, Darcy Flavio Nouer, Maximillano Sergio Cenci and Jaime Aparecido Cury |
| Systematic evaluation of the features influencing the accuracy of third order measurements | 547 | Michael Knosel, Klaus Jung, Thomas Attin, Rengin Attin, Dietmar Kubein-Meesenburg and Liliam Gripp-Rudolph |
| Measurement of discolouration of orthodontic elastomeric modules with a digital camera | 556 | Sung-Hee Kim and Yong-Keum Lee |
| Esthetics with resin compsite. Basics and techniques (2009) | 563 | Burkhard Hugo |
| Tip-edge orthodontics and the Plus bracket (2009) | 563 | Richard Parkhouse |
| The SAC classification in implant dentistry (2009) | 564 | Antony Dawson and Stephen Chen |

**EUROPEAN JOURNAL OF ORTHODONTICS**

**CONTENTS**

**Vol.31- No.6- Dec. 2009**

|  |  |  |
| --- | --- | --- |
| Proliferation and differentiation fo periodontal ligament cells following short-term tooth movement in the rat using different regimens of loading  | 565 | Dimitrios Pavlidis, Christoph Bourauel, Alireza Rahimi,Werner Gotz and Andreas Jager |
| Influence of bisphosphonates on orthodontic tooth movement in mice | 572 | Yuji Fujimura, Hideki Kitaura, Masako Yoshimatsu, Toshiko eguchi, Haruka Kohara, Yukiko Morita and Noriaki Yoshida |
| Root resorption during orthodontic tooth movements  | 578 | C.Ramanathan and Z. Hofman |
| Tooth size discrepancy in orthodontic patients among different malocclusion groups | 584 | Mihovil Strujic, Sandra Anic-Milosevic, Senka Mestrovic and mladen slaj |
| Comparative assessment of forces generated during simulated alignment with self-ligating and conventional brackets  | 590 | Nikolaos Pandis, Theodore eliades and christoph Bourauel |
| The adaptive responsze of jaw muscles to varying functional demands | 596 | Thorsten Grunheid, geerling E. J. Langenbach, Joannes A. M. Korfage, Andrej Zentner and Theo M. G. J. van Eijden |
| A cross-sectional study on the relationship between craniofacial morphology and the coronoid process  | 613 | Takahiro torisu, Kazuhiro Yamada, Tadao fukui, Masaki Yamaki, Junichi Nakamura and Isao Saito |
| Comparative evaluation of the breaking strength of a simple mobile mandibular advancement splint | 620 | Naomi tanoue, Kiyoshi Nagano, Souichi Yanamoto and Akio Mizuno |
| Initial forces generated by three types of thermoplastic appliances on an upper central incisor during tipping | 625 | Wolfram Hajn, Julia Fialka-Fricke, Hennig Dathe, Susanne Fricke-Zech, Antonia Zapf, Rudolf Gruber, Dietmar Kubein-Meesenburg and Reza Sadat-Khonsari |
| Non-syndromic concomitant hypodontia and supernumerary teeth in an orthodontic population | 632 | Margarita Varela, Patricia Arrieta and Cesar Ventureira |
| Influence of lingual orthodontic therapy on microbial parameters and periodontal status in adults | 638 | 1. Demling, C. Demling, R. Schwestka-Polly, M. Stiesch and W. Heuer
 |
| In vitro evaluation of the frictional forces between brackets and archwire with three passive self-ligating brackets | 643 | Giancarlo Cordasco, Giampietro Farronato, Felice festa, Riccardo Nucera, Elena Parazzoli and Giovanni Battista Grossi |
| Microleakage between composite-enamel interfaces of flexible spiral wire retainers. Part 1: comparison of three composites  | 647 | Tancan Uysal, Asli Baysal, Serdar Usumez and Mustafa Ulker |
| Microleakage between composite-wire and composite-enamel interfaces of flexible spiral wire retainers. Part 2: comparison of amorphous calcium phosphate-containing adhesive with conventional lingual retainer composite  | 652 | Tancan Uysal, Mustafa Ulker, Asli Baysal and Serdar Usumez |
| Bond strengths of an antibacterial monomer-containing adhesive system applied with and with out acid etching for lingual retainer bonding | 658 | Mustafa Ulker, Tancan Uysal, Sabri LLhan Ramoglu and Faruk Lzzet Ucar |
| Bernard G. Sarnat. 20th century plastic surgeon and biological scientist (2008) | 664 | Pete E. Lestrel |
| Clinical dental medicine 2020(2009) | 665 | Nairn H.F. Wilson |
| Biocompatibility of dental materials (2009) | 666 | Gotterfried Schmalz and Dorthe Arenholt- Bindslev |
| Color atlas of cone beam volumetric imaging for dental applications (2009) | 666 | Dale A. Miles |
| Temporary anchorage devices in orthodontics (2008) | 668 | Ravindra Nanda and Falvio Andres Uribe |
| Erratum | 669 |  |