**EUROPEAN JOURNAL OF ORTHODONTICS**

**CONTENTS**

**VOL.26-NO.1- FEB.,2004**

|  |  |  |
| --- | --- | --- |
| Effect of decreased loading on the metabolic activity of the mandibular condylar cartilage in the rat | 1 | Pertti Pirttiniemi, Tuomo Kantomaa and Timo Sorsa |
| The complex genetics of cleft lip and palate  | 7 | Martyn T. Cobourne |
| Van der Woude syndrome: a review. Cardinal signs, Epidemiology, associated features, differential diagnosis, expressivity, genetic counseling and treatment | 17 | Maria Rizos and Meropi N. Spyropoulos |
| Dentine phosphoproteins in gingival crevicular fluid during root resorption | 25 | James Mah, and Neeelanjani Prasad |
| Transverse development of the craniofacial skeleton and dentition between 7 and 15 years of age – a longitudinal postero-anterior cephalometric study | 31 | Christopher J. Lux, Christian Conradt, Donald Burden and Gerda Komposch  |
| An investigation of cervicovertebral morphology in different sagittal skeletal growth patterns  | 43 | Bulent Baydas, Ibrahim Yavuz, Nurhan Durana and ismalil Ceylan |
| The effect of a modified reverse headgear force applied with a facebow on the dentofacial structures | 51 | Yasar Goyenc and Seyda Ersoy |
| The effects of early headgear treatment on dental arches and craniofacial morphology: a report of a 2 year randomized study  | 59 | Raimo Mantysaari, tuomo Kantomaa, Pertti Pirttiniemi and Aila Pykalainen |
| Treatment effects produced by the Bionator appliance. Comparison with an untreated Class II sample | 65 | Marcio r. Almeida, Jose F. C. Henriques, Renato R. Almeida, Renata R. Almeida-Pedrin and Weber Ursi |
| Psychophysical testing of taste and flavor reactivity in young patients undrging treatment with removable orthodontic appliances | 73 | Gilad Har-Zion, IIana Brin and Jacob Steinoer |
| Perception of pain during orthodontic treatment with fixed appliances  | 79 | Aslihan M. Erdinc and Banu Bincer |
| The views and attitudes of parents of children with a sensory impairment towards orthodontic care | 87 | Maha Al-Sarheed, Raman Bedi and Nigel P. Hunt |
| Unilateral Angle II in functional literalities  | 93 | T. Heikkinen, T. Poikela, M. Gron and L. Alvesalo |
| Has hypodontia increased in Caucasians during the 20th century? | 99 | Nele Mattheeuws, Luc Dermaut and Guy Martenss |
| A comparative study of the static and kinetic frictional resistance of titanium molybdenum alloy archwires in stainless steel brackets | 105 | A.Cash, R. Curtis, D. Garrigia-Majo and F. McDonald |
| Book Reviews Pickard’s Manual of Operative Dentistry 8th edition (2003) | 113 | E A M Kiss, B G N Smith ,T F Waston |
| Oral Cells and Tissues | 113 | Philias R.Garant |
| Treatment planning in primary dental care (2003) | 114 | Ann Shearer and Anthony Mellor |
| Orthodontics in the 21st century. Where are now? Where are we going? (2002) | 115 | Kenji Takada and William Profitt |
| Essentials of orthognathic surgery (2003) | 116 | John P Reyenke |
| Essentials dental public health  | 116 | Blanaid Daly , Richard G Watt, Paul Batchleor and Elizabeth T. Treasure |
| Atlas of neural therapy with local anaesthetics, 2nd edition (2002) | 117 | Mathias P Dosch |

**EUROPEAN JOURNAL OF ORTHODONTICS**

|  |  |  |
| --- | --- | --- |
| Early root alterations after orthodontic force application studied by light and scanning electron microscopy | 119 | Maria Mavragani, Ole Christian Amundsen, Nils Jorgen Selliseht, Pongsri Brudvik and Knut Andreas |
| In vitro expression of matrix metalloproteinase-1, tissue inhibitor of metalloproteinase-1 and transforming growth factor-β1 in human periodontal ligament fibroblasts | 129 | Dong-Seok Nahm, Hee-Jeong Kim, James Mah and Seung-Hak Baek |
| Neovascularization and bone formation in the condyle during stepwise mandibular advancement | 137 | F.Y. C. Leung, A.B.M. Rabie and U. Hagg |
| Secreation of osteopontin from MG-63 cells under an physiological level of mechanical strain in vitro-a incorporation approach | 143 | D. Liu, B.B. Vandahl, S. Birkelund, L.B. Nielsen and B. Melsen |
| Dental crowding in a prehistoric population | 151 | O. Mockers, M. Aubry and B. Mafart  |
| Tensile properties of orthodontic elastomeric chains | 157 | T. Eliades, G. Eliades and D. C. Watts |
| Dynamic frictional behavior of orthodontic archwires and brackets | 163 | K. Clocheret, G. Willems, C. Carels and J.-P. Celis |
| Metal ion release from new and recycled stainless steel brackets | 171 | Tsui-Hsien Huang, Shinn-Jyh Ding, Yan Min and Chia-Tze Kao |
| Evaluation of shear bond strength with different enamel pre-treatments  | 179 | Elham S. J. Abu Alhaija and Ahed M. S. Al-Wahadni |
| A clinical study of glass ionomer cement | 185 | S.R. Oliveira, G. Rosenbach, I.H.V.P. Brunhard, M.A. Almeida and O. Chevitarese |
| An orthopaedic approach to the treatment of Class III malocclusions in the early mixed dentition | 191 | Paola Cozza, Alessandra Marino and Manuela Mucedero |
| Variation in the cranial base orientation and facial skeleton in dry skulls sampled from three major populations | 201 | Kazuto Kuroe, Antonio Rosas and Theya Molleson |
| Quantitation of transverse maxillary dimensions using computed tomography: a methodological and reproducibility study | 209 | B. Podesser, S. Williams, H.-P. Bantleon and H. Imhof |
| A preliminary assessment of cephalometric orthodontic superimposition | 217 | Sumant Goel, Manu Bansal and Amit Kalra |
| Effects of bilateral upper first premolar extraction on the mandible | 223 | Orhan Meral, Haken N. Iscan, Candan Okay and Yegin Gursoy |
| Tyldesley’s oral medicine | 233 | Anne Field, Lesley Longman |
| Dental materials in vivo :aging and related phenomena | 233 | George Eliades , Thedore Eliides William Brantley and David Watts |

**CONTENTS
 Vol.26–No.1-Apr 2004**

**EUROPEAN JOURNAL OF ORTHODONTICS**

|  |  |  |
| --- | --- | --- |
| Prevalence of malocclusions in the early mixed dentition and orthodontic treatment need | 237 | Eve Tausche, Olaf Luck and Winfried Harzer |
| Cranionfacial skeletal and soft tissue morphology in lcelandic adults | 245 | Berglind Johannsdottir, Arni Thordarson and Thordur Eydal Magnusson |
| Occlusal characteristics during different emergence stages of the permanent dentition in Tanzanian Bantu an Finnish children | 251 | Emeria A. Mugonzibwa, Ritva Eskeli, Anne M. Kuijpers-Jagtman, Maija T. Laine-Alava and Martin A. van’t Hof |
| Orthodontic treatment need and demand in 12-14-year-old north Jordanian school children | 261 | Elham S. J. Abu Alhaija, Kazem S. Al-Nimri and Susan N. Al-Khateeb |
| The relationship between patient, parent and clinician perceived need and normative orthodontic treatment need | 265 | Ahmad M. Hamdan |
| Comparison of intra-oral and study cast measurements in the assessment of malocclusion | 273 | Maja Ovsenik, Franc M. Farcnik and Ivan Verdenik  |
| A comparison of mesio-distal crown dimensions of the permanent teeth in subjects with and without fluorosis | 279 | Aynur Medine Sahin Saglan, H. Murat Ozbaran and Ali Alp Saglam |
| Unilateral posterior crossbite and chin deviation: is there a correlation? | 283 | Chris van Keulen, Guy Martens and Luc Dermaut |
| The role of the headgear timer in extraoral co-operation | 289 | Cenk Doruk, Ugur Agar and Hasan Babacan |
| Dentoskeletal effects and facial profile changes during activator therapy | 293 | Paola Cozza, Laura De Toffol and Stefania Colagrossi |
| How predictable is orthognathic surgery? | 303 | Charlotte E. Eckhardt and Susan J. Cunningham |
| The prevalence of temporomandibular joint dysfunction in the mixed dentition | 311 | Virginie Tuerlings and Michel Limme |
| Cephalometric comparison of pharyngeal changes in subjects with upper airway resistance syndrome or obstructive sleep apnoea in upright and supine positions | 321 | Tuula Ingman, Tuula Niemainen and Kirsti Hurmerinta |
| Evaluation of methods of archwire ligatin on frictional resistance | 327 | Balvinder Khambay, Declan Millent and Siobhan McHugh |
| Enamel surface roughness following debonding using two resin grinding methods  | 333 | Theodore Eliades, Christiana Gioka, George Eliades and Margarita Makou |
| Three-dimensional finite element analysis in distal en masse movement of the maxillary dentition with the multiloop edgewise archwire | 339 | Young-II Chang, Soo-Jung Shin and Seung-Hak Baek  |
| Orthodontic management of agenesis and other complexities | 347 | Michael Arvystas |
| The influences of oral habits on the developing dentition and their treatment:clinical and historical perspective | 348 | Erik Lasson |

**CONTENTS
 VOL.26–NO.3-JUNE 2004
EUROPEAN JOURNAL OF ORTHODONTICS**

**CONTENTS**

**VOL.26-NO.4-AUG.2004**

|  |  |  |
| --- | --- | --- |
| Beni Solow Award | 351 |  |
| Forward mandibular positioning enhances condylar adaptation in adult rats | 353 | A.B. M. Rabie, H. Xiong and U. Hagg  |
| Histochemistry of the foetal human temporomandibular joint articular disc | 359 | James Mah |
| Can temporomandibular dysfunction signs be predicted by early morphological or functional variables? | 367 | Riitta Pahkala and Mari Qvarnstrom |
| Parental craniofacial morphology in orofacial clefting  | 375 | G. T. Mclntyre and P. A. Mossey  |
| Changes in occlusion and maxillary dental arch dimensions in adults with treated unilateral complete cleft lip and palate: a follow-up study | 385 | Agneta Marcusson and Gunnar Paulin |
| Feasibility and long-term stability of surgically assisted rapid maxillary expansion with lateral osteotomy | 391 | Anu Anttila, Kaj Finne, Katri Keski-Nisula, Matti Somppi, Kari Panula and Timo Peltomaki |
| Evaluation of nasal airway resistance during rapid maxillary expansion using acoustic rhinometry | 397 | Cenk Doruk, Oral Sokucu, Hafize Sezer and Ercan I. Canbay |
| Skeletal and dental changes following surgically assisted rapid palatal expansion | 403 | Friedrich K. Byloff and Claude F. Mossaz |
| A clinical comparison of the quadhelix appliance and the nickel titanium (tandem loop) palatal expander: a preliminary, prospective investigation | 411 | V. E. Donohue, L.A. G. Marshman and L. J. Winchester |
| In vitro cytotoxicity of orthodontic archwires in cortical cell cultures | 421 | Alexis David and Doug Lobner |
| Axiographic findings in patients undergoing orthodontic treatment with and without premolar extractions | 427 | Wolfgang Heiser, Martin Stainer, Hans Reichegger, Andreas Niederwanger and Siegfried Kulmer |
| Torque capacity of metal and polycarbonate brackets with and without a metal slot | 435 | Winfried Harzer, Christoph Bourauel and Henner Gmyrek |
| The prevalence of bacteraemia on removal of fixed orthodontic appliances | 443 | Donald J. Burden, Wilson A. Coulter, Chris D. Johnston, Brian Mullally and Mike Stevenson |
| A 12 month clinical study of bond failures of recycled versus new stainless steel orthodontic brackets | 449 | Vittorio Cacciafesta, Maria Francesca Sfondrini, Birte Melsen and Andrea Scribante |
| Rmovable Orthodontic appliances | 455 | K G lsaacson ,J D muir R T Reed |
| Soft Tissue and esthetic considerations in implant therapy | 455 | Anthony G Scaler |
| Tip-Edge orthodontics (2003) | 456 | Richard Parkhouse |
| The masters of functional orthodontics(2003) | 457 | Aurlio Levrini and Lorenzo Favero |

**EUROPEAN JOURNAL OF ORTHODONTICS**

**CONTENTS
 Vol.26–No.5-Oct 2004**

|  |  |  |
| --- | --- | --- |
| Microcracks in the alveolar bone following orthodontic tooth movement: a morphological and morphometric study | 459 | Carlalberta Verna, Michel Dalstra, T. Clive Lee, Paolo M. Cattaneo and Birte Melsen |
| Effects of local administration of clodronate on orthodontic tooth movement and root resorption in rats  | 469 | Lin Liu, Kaoru lgarashi, Naoto Haruyama, Shuichi Saeki, Hisashi Shinoda and Hideo Mitani |
| The efficacy of various alloplastic bone grafts on the healing of rat calvarial defects | 475 | James Mah, Joseph Hung, Jinxi Wang and Erdjan Salih |
| The rat as a model for orthodontic tooth movement-a critical review and a proposed solution | 483 | Yijin Ren, Jaap C. Maltha and Anne Marie Kuijpers-Jagtman |
| Root-crown ratios of permanent teeth in a healthy Finnish population assessed from panoramic radiographs | 491 | P. Holtta, M. Nystrom, M. Evalahti and S. Alaluusua |
| Which factors influence willingness-to-pat for orthognathic treatment?  | 499 | A.S.A. Smith and S.J. Cunningham |
| Dental aesthetics, self-awareness, and oral health-related quality of life in young adults | 507 | Ulrich Klages, Aladar Bruckner and Andrej Zentner |
| Adaptive condylar growth and mandibular remodeling changes with bionator therapy-an implant study | 515 | Adriano M. Araujo, Peter H. Buschang and Ana Claudia M. Melo |
| A modified monobloc for the treatment of obstructive sleep apnoea in paediatric patients | 523 | Paola Cozza, Antonella Polimeni and Fabiana Ballanti |
| Comparison of initial shear bond strengths of plastic and metal brackets | 531 | Jia-Kuang Liu, Shu-Fen Chuang, Chuan-Yang Chang and Yih-Jang Pan |
| A comparative in vitro study of the strength of directly bonded brackets using different curing techniques | 535 | B. Wendl and H.Droschl |
| A comparative study of polymerization lamps to determine the degree of cure of composites using infrared spectroscopy | 545 | B. Wendl, H. Droschl and W. Kern |
| The effects of argon laser curing of a resin adhesive on bracket retention and enamel decalcification: a prospective clinical trial  | 553 | J. Elaut and H. Wehrbein |
| Orthodontic Pearls:a selection of practical tips and clinical expertise  | 561 | Eliakim Mizrahi |
| Practical conscious sadation | 561 | David Craig and Meg Skelly |
| Dental Biomechanics | 562 | Arturo N Natali |
| 80th Congress of the European Orthodontic Society, Aarhus, Denmark | 563 |  |

**EUROPEAN JOURNAL OF ORTHODONTICS**

**CONTENTS**

**VOL.26-NO.6- DEC.2004**

|  |  |  |
| --- | --- | --- |
| Six and 12 months’ evaluation of a self-etching primer versus two-stage etch and prime for orthodontic bonding: a randomized clinical trial | 565 | Y. D. Aljubouri, D. T. Millett and W. H. Gilmour |
| An in vivo study to compare a plasma arc light and a conventional quartz halogen curing light in orthodontic bonding | 573 | A.P. Pettemerides, M. Sherriff and A. j. Ireland |
| Factors affecting friction in the pre-adjusted appliance  | 579 | M. M. Moore, E. Harrington and W. P. Rock |
| Comparison of maxillary canine retraction with sliding mechanics and a retraction spring: a three-dimensional analysis based on a midpalatal orthodontic implant | 585 | Kazoo Hayashi, Jun Uechi, Masaru Murata and Itaru Mizoguchi |
| Patients’ perceptions of recovery after surgical exposure of impacted maxillary teeth treated with an open-eruption surgical-orthodontic technique | 591 | S. Chaushu, A. Becker, R. Zeltser, N. Vasker and G. Chaushu |
| Post-natal size and morphology of the sella turcica. Longitudinal cephalometric standards for Norwegians between 6 and 21 years of age | 597 | Stefan Axelsson, Kari Storhaug and Inger Kjaer |
| Morphology of Singapore Chinese | 605 | P. Yeong and J. Huggare |
| Post-natal size and morphology of the sella turcica in Williams syndrome | 613 | Stefan Axelsson, Kari Storhaug and Inger Kjaer |
| The effect of fixed orthodontic appliances on the oral carriage of Candida species and Enterobacteriaceae | 623 | U. Hag, P. Kaveewatcharanont, Y. H. Samaranayake and L. P. SamaranayakeHHHhhhhhhhddd |