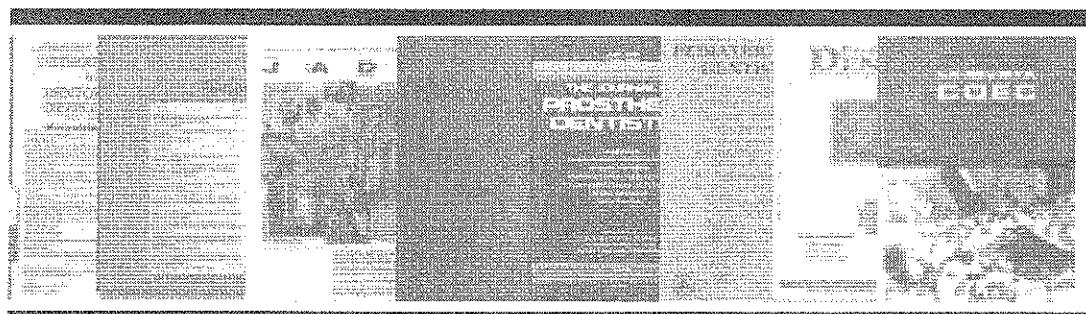


# BUTLLETI

## DE

# SUMARIS



COL.LEGI OFICIAL D'ODONTÒLEGS I ESTOMATÒLEGS DE CATALUNYA  
BIBLIOTECA.

TRAVESSERA DE GRÀCIA, 93-95 08006 BARCELONA TL. 93 3101555 FAX 93 3106399  
e-mail: [mnadal@coec.net](mailto:mnadal@coec.net)

## PRESENTACIÓ

El propòsit principal d'un Butlletí de Sumaris és la màxima difusió de la informació actualitzada que proporcionen les publicacions periòdiques. El Butlletí de Sumaris del COEC aplega, mensualment, els sumaris de les revistes d' Odontostomatologia i de matèries afins que es reben a la Biblioteca.

En cada número es dóna la relació dels títols d' aquestes revistes a continuació de la presentació. Els sumaris estan ordenats, al Butlletí, alfabèticament pel títol, essent també accessibles per la matèria general de la revista mitjançant l'Index de Matèries del Butlletí.

Aquesta eina bibliogràfica permet aproximar el perfil d'interés del lector al contingut de les principals publicacions periòdiques d'Odontostomatologia, sense necessitat d'estar-hi subscrit. Totes les revistes relacionades es troben a la Biblioteca, de manera que l'usuari pot demanar , si li interessa, còpia de qualsevol dels articles citats.

### REVISTES INCLOSES EN AQUEST BUTLLETÍ

---

- Acta odontologica Scandinavica
  - American Jnl. of Orthodontics & Dentofacial Orthopedics
  - Angle Orthodontist
  - Avances en Odontoestomatología
  - British Dental Journal
  - Clinical Oral Implant Research
  - Dental Materials
  - Dentistas
  - Endodoncia
  - European Jnl. of Orthodontics
  - Gaceta dental
  - International Journal of Oral and Maxillofacial Implants
  - International Journal of Oral and Maxillofacial Surgery
  - International Journal of Prosthodontics
  - Journal of the American Dental Association
  - Journal of Clinical Periodontology
  - Journal of the History Dentistry
  - Journal of Prosthetic Dentistry
  - Maxillaris
  - Operative Dentistry
  - Oral Surgery, Oral Medicine, Oral Pathology
  - Quintessence
  - RCOE
  - Revista de Odontología Granadina
  - Revista Vasca de Odontoestomatología
-

MATERIA	TITOL DE LA REVISTA	pag
CIRURGIA ORAL	International Jnl. Of Oral & Maxil. Surgery Vol.40 Núm.4,5 (abril, maig 2011)	21
	Oral Surgery, Oral Medicine, Oral Pathology Vol. 111 Núm.5 (maig 2011)	35
COL.LEGIS PROFESSIONALS	Dentistas Núm.1 (2011)	15
	RCOE. Vol.16 Núm.1 (abril 2011)	38
	Revista Odontologica Granadina Vol.12 Núm.1 (2011)	39
	Revista Vasca de Odonto-Estomatol. Vol.21 Núm.1 (2011)	40
ENDODÒNCIA	Endodoncia Vol.29 Núm.1 (gener-març 2011)	16
HISTÒRIA DENTAL	Journal of the History of Dentistry. Vol.59 Núm.1 (spring 2011)	31
IMPLANTS DENTALS	Clinical Oral Implants Research. Vol.22 Núm.5 (maig 2011)	13
	JOMI. Vol.26 Núm.2 (2011)	25
MATERIALS DENTALS	Dental Materials. Vol.27 Núm.5 (maig 2011)	14
ODONTOSTOMATOLOGIA	Acta Odontol. Scandinavica Vol.69 Núm.3 (maig 2011)	1
	Avances en Odontoestomatología. Vol.27 Núm.2 (maig 2011)	7
	British Dent. Jnl. Vol.210 Núm. 7,8 (abril 2011)	8
	Gaceta Dental Núm.225 (maig 2011)	19
	JADA. Vol.6 Núm.2 (abril 2011)	29
	Maxillary Núm.143 (maig 2011)	33
	Quintessence. Vol.24 Núm.5 (maig 2011)	37
ODONT. CONSERVADORA	Operative Dentistry. Vol. 36 Núm.1 (gener- febrer 2011)	34
ORTODÒNCIA	American Jnl. Of Orthod. Vol.139 Núm.5 (maig 2011)	3
	Angle Orthodontist Vol.81 Núm.3 (maig 2011)	5
	European Jnl. of Orthodontics. Vol.33 Núm.2 (abril 2011)	17
PERIODÒNCIA	Jnl. of Clinical Perio. Vol.38 Núm.5 (maig 2011)	30
PRÒTESI DENTAL	International Jnl. of Prosthodontics. Vol.24 Núm.2 (2011)	27
	Journal of Prosthetic Dentistry Vol.105 Núm.5 (maig 2011)	32

# ACTA ODONTOLOGICA SCANDINAVICA

CONTENTS

VOLUME 69

**ORIGINAL ARTICLES**

- Headache: short- and long-term effectiveness of a prefabricated appliance compared to a stabilization appliance** 129  
Marika Doepel, Maria Nilner, Ewacarin Ekberg,  
Tero Vahlberg & Yrsa Le Bell
- Risk factors for sleep-disordered breathing: the role of craniofacial structure** 137  
Riitta Pahkala, Riikka Puustinen, Henri Tuomilehto,  
Jari Ahlberg & Juha Seppä
- Load-bearing capacity of handmade and computer-aided design-computer-aided manufacturing-fabricated three-unit fixed dental prostheses of particulate filler composite** 144  
Ermine Göncü Başaran, Emrah Ayna, Pekka K. Vallittu &  
Lippo V.J. Lassila
- Treatment of severe drooling with botulinum toxin in amyotrophic lateral sclerosis and Parkinson's disease: Efficacy and possible mechanisms** 151  
Eigild Møller, Merete Karlborg, Allan Bardow, Joan Lykkeaa,  
Flemming H. Nissen & Merete Bakke

NUMBER 3

MAY 2011

(Continued on Back Cover)

**informa**  
healthcare

# ACTA ODONTOLOGICA SCANDINAVICA

## CONTENTS *(Continued)*

<b>Oral health in young adults with long-term, controlled asthma</b>	<b>158</b>
Malin Stensson, Lill-Kari Wendt, Göran Koch, Göran Oldaeus, Per Ramberg & Dowen Birkhed	
<b>Topography and presence of a smear layer in deciduous molars prepared with high-speed cutting and ultrasonic abrasion: an <i>in-vitro</i> study</b>	<b>165</b>
Áurea Simone Barroso Vieira I, Rafael De Lima Pedro, Leonardo Dos Santos Antunes, Márcia Pereira Alves Dos Santos, Livia Azeredo Alves Antunes, Laura Guimarães Primo & Lucianne Cople Maia	
<b>Influence of water sorption of the underlying abutment on fracture resistance of zirconia copings</b>	<b>170</b>
Michael Behr, Felix Weiser, Manfred Meier, Sybille Schneider-Feyrer, Sebastian Hahnel, Gerhard Handel & Martin Rosentritt	
<b>Assessment of the effectiveness of light-emitting diode and diode laser hybrid light sources to intensify dental bleaching treatment</b>	<b>176</b>
Carlos Rocha Gomes Torres, Daphne Câmara Barcellos, Graziela Ribeiro Batista, Alessandra Buhler Borges, Karla Viana Cassiano & César Rogério Pucci	
<b>Effect of resin coating and occlusal loading on microleakage of class II computer-aided design/computer-aided manufacturing fabricated ceramic restorations: A confocal microscopic study</b>	<b>182</b>
Shuzo Kitayama, Nasser A. Nasser, Peter Pilecki, Ron F. Wilson, Toru Nikaido, Junji Tagami, Timothy F. Watson & Richard M. Foxton	

**informa**  
healthcare

AMERICAN JOURNAL OF ORTHODONTICS & DENTOFACIAL ORTHOPEDICS VOL. 139(5)MAY  
2011

It's our duty!!. Editorial pg. 573

Biased look at self-ligation. Letter pg. 574 Paquette, D.E.

Biased look at self-ligation. Letter pg. 574-575 Marshall, S.

Image superimposition method in tooth movement and arch dimension changes evaluation. Letter pg. 575-576 Juan, X.; Hongbo, L.

Image superimposition method in tooth movement and arch dimension changes evaluation. Letter pg. 576 Baek, S.H.; Cho, M.Y.; Choi, J.H.

And justice for all. pg. 577 Greco, P. M.

Dental development in patients with hemifacial microsomia. pg. 578 Cassarella, D.

Rotation moments and implant stability. pg. 578 Hong, C.

New help for patients with white-spot lesions. pg. 579 Hoang, P.

Rapid maxillary expansion and nasal function. pg. 579 Ahuja, B.

Unexpected side-effect of lithium treatment. pg. 579-580 Borenstein, K.

Review of cone-beam computed tomography. pg. 580 Plewe, R.

Controlled, prospective trial of psychosocial function before and after mandibular advancement splint therapy. pg. 581-587 Johal, A.; Battagel, J.; Hector, M.

Effects of sodium fluoride mouth rinses on the torsional properties of miniscrew implants. pg. 588-593 Muguruma, T.; Iijima, M.; Brantley, W.A.

Comparison of friction force between corroded and noncorroded titanium nitride plating of metal brackets. pg. 594-600 Kao, C.T.; Guo, J.U.; Huang, T.H.

Force levels of 23 nickel-titanium open-coil springs in compression testing.  
pg. 601-605 Brauchli, L.M.; Senn, C.; Ball, J.

Relative contributions of occlusion, maximum bite force, and chewing cycle kinematics to masticatory performance. pg. 606-613 Lepley, C.R. ; Throckmorton, G.S.; Ceen, R.F.

Long-term effectiveness of canine-to-canine bonded flexible spiral wire lingual retainers. pg. 614-621 Renkema, A.M.; Renkema, A.; Bronkhorst, E.

Mandibular lip bumper treatment and second molar eruption disturbances. pg. 622-627 Ferro, F.; Funiciello, G.; Perillo, L.

Effect of placement angle on the stability of loaded titanium microscrews: A microcomputed tomographic and biomechanical analysis. pg. 628-635 Zhao, L.; Xu, Z.; Wei, X.

Comparative evaluation of maxillary protraction with or without skeletal anchorage. pg. 636-649 Sar, C.; Arman-Ozcrpc, A.; Uckan, S.

Effect of antibacterial monomer-containing adhesive on enamel demineralization around orthodontic brackets: An in-vivo study. pg. 650-656 Uysal, T.; Amasyali, M.; Ozcan, S.

Incidence of caries lesions among patients treated with comprehensive orthodontics. pg. 657-664 Richter, A.E.; Arruda, A. O.; Peters, M. C

Clinical outcomes assessment of consecutively finished patients in a 24-month orthodontic residency: A 5-year perspective. pg. 665-668 Brown, P.N.; Kulbersh, R.; Kaczynski, R.

Placement and removal torque values of orthodontic miniscrew implants. pg. 669-678 Suzuki, E. Y.; Suzuki, B.

Class III malocclusion with complex problems of lateral open bite and severe crowding successfully treated with miniscrew anchorage and lingual orthodontic brackets. pg. 679-689 Yanagita, T.; Kuroda, S.; Takano-Yamamoto, T.

Orthodontic treatment for a patient with hypodontia involving the maxillary lateral incisors. pg. 690-697 Al-Anezi, S. A.

Orthodontic treatment of bilateral geminated maxillary permanent incisors. pg. 698-703 Le Gall, M.; Philip, C.; Aboudharam, G.

Crohn's disease: Clinical manifestations of orthodontic interest. pg. 704-707 Armond, M.; Carlos, R. G.; Pazzini, C.

Working for another. pg. 708-710 Jerrold, L.

**The**  
**ANGLE ORTHODONTIST**

An International Journal of Orthodontics and Dentofacial Orthopedics since 1930

Volume 81, Number 3, May 2011

**Original Articles**

- 363 Effect of zoledronic acid on bone healing subsequent to mini-implant insertion  
Sarandeep S. Huja, Burçak Kaya, X. Mo, Andrew M. D'Atri, Soledad A. Fernandez
- 370 Effect of RME and headgear treatment on the eruption of palatally displaced canines: A randomized clinical study  
Pamela Armi, Paola Cozza, Tiziano Baccetti
- 375 Measurement accuracy of a computer-assisted three-dimensional analysis and a conventional two-dimensional method  
Huseyin Olmez, Serkan Gorgulu, Erol Akin, Ali Osman Bengi, İbrahim Tekdemir, Fatih Ors
- 383 Clinical outcomes for patients finished with the SureSmile™ method compared with conventional fixed orthodontic therapy  
Timothy J. Alford, W. Eugene Roberts, James K. Hartsfield Jr, George J. Eckert, Ronald J. Snyder
- 389 Radiographic evaluations of molar intrusion and changes with or without retention in rats  
Yoon Jeong Choi, Kyung-Ho Kim, Kee-Joon Lee, Chooryung J. Chung, Young-Chel Park
- 397 "Safe Zones" for miniscrew implant placement in different dentoskeletal patterns  
Pajongjit Chaimanee, Boonsiva Suzuki, Eduardo Yugo Suzuki
- 404 A retrospective randomized double-blind comparison study of the effectiveness of Hawley vs vacuum-formed retainers  
Stephen Barlin, Roland Smith, Ray Reed, Jonathan Sandy, Anthony John Ireland
- 410 Determining the osteotomy pattern in surgically assisted rapid maxillary expansion in a unilateral palatal cleft: A finite element model approach  
Pawan Gautam, Liping Zhao, Pravin Patel
- 420 Three-dimensional morphology of root and alveolar trabecular bone during tooth movement using micro-computed tomography  
Li Zhuang, Yuxing Bai, Xianying Meng
- 426 Correlation between skeletal changes by maxillary protraction and upper airway dimensions  
Ji-Won Lee, Ki-Ho Park, Seong-Hun Kim, Young-Guk Park, Su-Jung Kim
- 433 Validity of upper airway assessment in children: A clinical, cephalometric, and MRI study  
Kirsī Pirilä-Parkkinen, Heikki Löppönen, Peter Nieminen, Uolevi Tolonen, Eija Pääkkö, Pertti Pirttiniemi
- 440 Changes in upper airway width associated with Class II treatments (headgear vs activator) and different growth patterns  
Arnim Godt, Bernd Koos, Hanno Hagen, Gernot Göz
- 447 Changes in the cervical spine of children with juvenile idiopathic arthritis evaluated with lateral cephalometric radiographs: A case control study  
Heidrun Kjellberg, Ioanna Pavlou
- 453 Functional adaptability of temporomandibular joint mechanoreceptors after an increase in the occlusal vertical dimension in rats  
Satomi Naito, Takayoshi Ishida, Satoshi Kokai, Koichi Fujita, Mai Shibata, Tadachika Yabushita, Takashi Ono
- 460 Orofacial airway dimensions in subjects with Class I malocclusion and different growth patterns  
Faruk Izett Ucar, Tancan Uysal
- 469 Dentofacial characteristics of women with oversized mandible and temporomandibular joint internal derangement  
Beom-Seok Moon, Il-Hyung Yang, Sug-Joon Ahn
- 478 Mechanical properties of beta-titanium wires  
Júlio A. Gurgel, Célia R. M. Pinzan-Vercelino, John M. Powers
- 484 Influence of thermal or chemical degradation on the frictional force of an experimental coated NiTi wire  
Ana Maria Bezerra Bandeira, Marcia Pereira Alves dos Santos, Gino Pulitini, Carlos Nelson Elias, Marysilva Ferreira da Costa
- 490 Do fluoride and casein phosphopeptide–amorphous calcium phosphate affect shear bond strength of orthodontic brackets bonded to a demineralized enamel surface?  
Tancan Uysal, Aslı Baysal, Banu Uysal, Mustafa Aydinbelge, Talal Al-Qunaian
- 496 Can we add chlorhexidine into glass ionomer cements for band cementation?  
Marcel M. Farret, Eduardo Martinelli de Lima, Eduardo G. Mota, Hugo M. S. Oshima, Valdir Barth, Silva D. de Oliveira
- 503 Biomechanical response of the maxillofacial skeleton to transpalatal orthopedic force in a unilateral palatal cleft  
Pawan Gautam, Liping Zhao, Pravin Patel

- 510 Effect of short curing times with a high-intensity light-emitting diode or high-power halogen on shear bond strength of metal brackets before and after thermocycling  
*Erion Cerekja, Banu Cakirer*
- 517 Patients' self-perception of dentofacial attractiveness before and after exposure to facial photographs  
*Giulio Alessandri Bonetti, Andrea Alberti, Claudio Sartini, Serena Incerti Parenti*
- 525 Predictors of adolescent compliance with oral hygiene instructions during two-arch multibracket fixed orthodontic treatment  
*Thikriat S. Al-Jewair, Sunjay Suri, Bryan D. Tompson*
- 532 Informational value and bias of videos related to orthodontics screened on a video-sharing Web site  
*Michael Knösel, Klaus Jung*
- 540 Effect of anterior teeth display during smiling on the self-perceived impacts of malocclusion in adolescents  
*Delcides Ferreira Paula Jr, Érica Tatiane Silva, Ana Cristina Viana Campos, Margaret Olivera Nuñez, Cláudio Rodrigues Leles*
- 

#### Case Report

- 546 Maxillary ulceration resulting from using a rapid maxillary expander in a diabetic patient  
*Luiz Guilherme Martins Maia, André da Costa Monini, Helder Baldi Jacob, Luiz Gonzaga Gandini Jr*
- 

#### Editorial

- 551 The evolution of *The Angle Orthodontist*  
*Robert J. Isaacson*
- 

#### Academic Opportunities

- 553

# AVANCES en odontostomatología

Vol. 27- Núm. 2 - MARZO-ABRIL 2011

## SUMARIO

A nuestros lectores	61
Aftas de la mucosa oral RIBOO CRESPO M*, BASCONES MARTÍNEZ A	63
Evaluación de la maloclusión, alteraciones funcionales y hábitos orales en una población escolar: Tarragona y Barcelona GARCÍA GARCÍA VJ, USTRELL TORRENT JM, SENTÍS VILALTA J	75
Canal mandibular accesorio: análisis de su prevalencia y aspecto imagenológico SUAZO GALDAMES I, ZAVANDO MATAMALA D, CANTÍN LÓPEZ M	85
Mineral trióxido agregado en pulpotoromías de dientes primarios. Revisión de la literatura SIMANCAS PALLARES M, LUNA RICARDO L, DÍAZ CABALLERO A	91
Eficacia del uso odontológico de la anestesia tópica previa a la punción anestésica infiltrativa. Estudio doble ciego CABO VALLE M, DELGADO RUÍZ R, CABO DÍEZ J	99
Panorama dental	106

ACEPTADA EN EL ÍNDICE BIBLIOGRÁFICO ESPAÑOL EN CIENCIAS DE LA SALUD (IBECS) Y EN SCIELO.

LAS DIRECCIONES DE INTERNET PARA ENCONTRAR LAS REVISTAS INDEXADAS SON LAS SIGUIENTES:

### AVANCES EN ODONTOESTOMATOLOGÍA

[http://scielo.isciii.es/scielo.php/script/sci\\_serial/pid\\_0213-1285/ing\\_es/nr](http://scielo.isciii.es/scielo.php/script/sci_serial/pid_0213-1285/ing_es/nr)

### AVANCES EN PERIODONCIA E IMPLANTOLOGÍA ORAL

[http://scielo.isciii.es/scielo.php/script/sci\\_serial/pid\\_1130-1457/ing\\_es/nr](http://scielo.isciii.es/scielo.php/script/sci_serial/pid_1130-1457/ing_es/nr)



Germany, 1977: Johann Eisenbarth



Scaling new heights for the Benevolent Fund p295



Give pain relief in the Punjab p296

# BDJ

BRITISH DENTAL JOURNAL  
*incorporating DENTAL BUSINESS*

## COVER IMAGE

GERMANY, 1977: JOHANN EISENBARTH

*The cover images in volume 210 of the Journal feature dentally-themed postage stamps from around the world. This German stamp commemorates the 250th anniversary of the death of Johann Eisenbarth, a famous Bavarian surgeon who as well as being a bone setter, also pulled teeth.*

*Stamp from the collection of Stuart Geddes, BDA Wales National Director. s.geddes@bda.org*

## EDITORIAL

### 289 Too busy using it to learn how it works

*Stephen Hancocks OBE*

## LETTERS

### 291 Differential diagnosis

*The full extent*

*Personal diatribe*

### 292 Seek to understand

*Learning lessons*

### 293 Beware the mental foramen

## NEWS

### 295 Scaling new heights for the Benevolent Fund

*Major child tooth decay trial planned*

### 296 Archive will document evolution of the profession

*MPs and Peers experience learning at KCLDI*

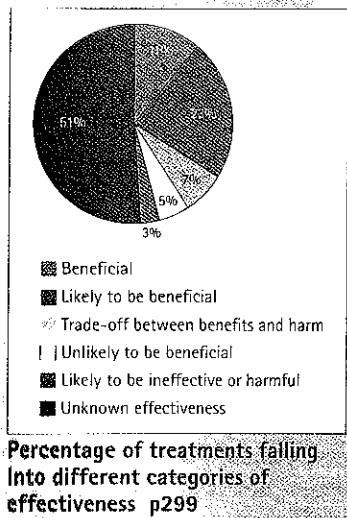
*Give pain relief in the Punjab*

### 297 Three-quarters of adults brush twice a day

*NHS dental places created for 6,000 in Hampshire*

*BDA welcomes CQC's climb-down on fees*

*Clarification*



**Fire damaged cars – some would contain the incinerated remains of fleeing residents p317**

## OPINION

- 299 Homeopathy and its ethical use in dentistry**  
*S. Eames, P. Darby*

## PRACTICE

- 303 Is skill mix profitable in the current NHS dental contract in England?**  
**VERIFIABLE CPD PAPER**  
*P. R. Brocklehurst, M. Tickle*

## ABSTRACTS

- 311** A selection of abstracts of clinically relevant papers from other journals *John R. Radford*  
**Impact of diabetes mellitus hypertension and coronary artery disease on tooth extraction after nonsurgical endodontic treatment**  
**Applicability of zirconia dental prostheses for metal allergy patients**  
**Identification of herpesviruses types 1 to 8 and human papillomavirus in acute apical abscesses**  
**Survival of zirconia- and metal-supported fixed dental prostheses: a systematic review**

## RESEARCH SUMMARIES

- 312** Summary of: 'Experienced barriers and facilitators for integrating smoking cessation advice and support into daily dental practice. A short report'  
**314** Summary of: 'Quality and content of dental practice websites'

## ONLINE RESEARCH PAPERS

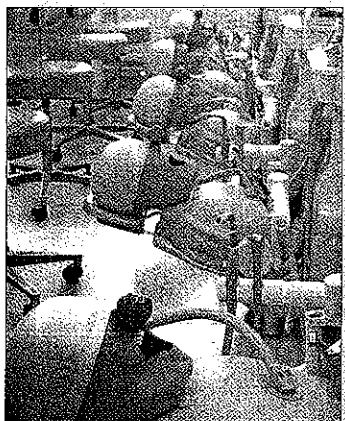
- E10** Experienced barriers and facilitators for integrating smoking cessation advice and support into daily dental practice. A short report  
*J. P. Rosseel, J. E. Jacobs, S. R. Hilberink, I. M. Maassen, D. Segaaar, A. J. M. Plasschaert, R. P. T. M. Grol*  
**DOI: 10.1038/sj.bdj.2011.241**
- E11** Quality and content of dental practice websites  
*L. C. Nichols, D. Hassall*  
**DOI: 10.1038/sj.bdj.2011.242**

## GENERAL

- 317** Forensic odontology, part 3. The Australian bushfires – Victoria state, February 2009  
*J. Hinchliffe*
- 323** Articaine: a review of the literature **VERIFIABLE CPD PAPER**  
*K. E. Yapp, M. S. Hopcraft, P. Parashos*



San Marino, 1974: St Apollonia.



Light relief in Plymouth p347



Razor sharp Mike celebrates 50 years p349

# BDJ

BRITISH DENTAL JOURNAL  
*incorporating DENTAL BUSINESS*

## COVER IMAGE

SAN MARINO, 1974: ST APOLLONIA

The cover images in volume 210 of the Journal feature dentally-themed postage stamps from around the world. St Apollonia, patron saint of sufferers of toothache, has been depicted on a number of postage stamps, including this one from San Marino in 1974. She is shown holding forceps and an extracted tooth.

Stamp from the collection of Stuart Geddes, BDA Wales National Director. [s.geddes@bda.org](mailto:s.geddes@bda.org)

## EDITORIAL

### 341 Suffer the little children

*Stephen Hancocks OBE*

## LETTERS

### 343 Inverse care law

Trauma training

### 344 Needle re-sheathing

Odontoiatros

An integral link

Reforming surroundings

### 345 Inspired by a tug

## NEWS

### 347 Fees drop as BDA encourages consistency in commissioning

Special service award

Light relief in Plymouth

### 348 Gene increases motivation to hunt for sugar

West Midlands career day inspires new dentists

New teaching unit serves South West Wales

### 349 Call for proposals for Putteridge

Razor sharp Mike celebrates 50 years

Patients needed to test innovative mini-implants



Following a fight in a public house, this man had part of his ear bitten off. The 'lost' piece of tissue was not found p363

## OPINION

- 351** Patient assessment in general dental practice – risk assessment or clinical monitoring?

*P. R. Brocklehurst, J. Ashley, M. Tickle*

## ABSTRACTS

- 357** A selection of abstracts of clinically relevant papers from other journals *John R. Radford*

Dental decisions – an emotional experience?

Treating patients with autism spectrum disorder—SCDA members' attitudes and behavior

Orofacial function and oral health in patients with Parkinson's disease

Periodontal disease and incident diabetes: a seven-year study

## RESEARCH SUMMARY

- 358** Summary of: 'The effect of disposable infection control barriers and physical damage on the power output of light curing units and light curing tips'

- 360** Summary of: 'Why are children still having preventable extractions under general anaesthetic? A service evaluation of the views of parents of a high caries risk group of children'

## ONLINE RESEARCH PAPERS

- E12** The effect of disposable infection control barriers and physical damage on the power output of light curing units and light curing tips  
VERIFIABLE CPD PAPER

*R. McAndrew, C. Lynch, M. Pavli, A. Bannon, P. Milward*

DOI: 10.1038/sj.bdj.2011.312

- E13** Why are children still having preventable extractions under general anaesthetic? A service evaluation of the views of parents of a high caries risk group of children

*R. C. Olley, M. T. Hosey, T. Renton, J. Gallagher*

DOI: 10.1038/sj.bdj.2011.313

## GENERAL

- 363** Forensic odontology, part 4. Human bite marks  
*J. Hinchliffe*

- 369** QIPP: cutting budgets or working smarter? VERIFIABLE CPD PAPER  
*P. Brocklehurst, C. Jones, M. Tickle*

- 375** The HIV positive dentist in the United Kingdom – the dilemma of the undiagnosed clinician

*M. Williams*



Loupes for pinpoint clarity, p385



Pneumatic saddle seats, p386

**CPD PROGRAMME**

- 381** Answers to CPD questions included in the 26 March issue of the *BDJ*  
**382** CPD Article 1 – online article E12 and CPD Article 2 – pages 369–373

**PRODUCT NEWS**

- 385** Saliva-activated super-polishing  
 Maximum performance turbine  
 Loupes for pinpoint clarity
- 386** Reflecting all your mirror needs  
 Monitor your Legionella control  
 Pneumatic saddle seats
- 387** The clearest clinical option  
 Pick up and press  
 Maintain original cavity anatomy  
 Imaging just for you
- 388** Exchange your stock and save  
 Superior vision and comfort  
 Micro-mechanics within reach  
 Project an integrated brand identity

**REVIEWS**

- 389** Dental implants: the art and the science, 2nd edition  
 Principles and practice of laser dentistry
- 390** ITI treatment guide. Volume 4: loading protocols in implant dentistry.  
 Edentulous patients

**AGENDA**

- 391** British Dental Association Annual General Meeting



## Setting Up In Practice Toolkit

Making a success of a new business takes more than entrepreneurial flair and desire to manage your own destiny... it takes thought, planning, management skills, determination and appropriate professional advice.

The Setting Up In Practice toolkit takes a step-by-step approach to setting up in practice, providing ideas to help you create an entirely new practice.



British Dental Association

Order online at [www.bda.org/shop](http://www.bda.org/shop)

or telephone 020 7904 1455 or email [shop@bda.org](mailto:shop@bda.org)

# CLINICAL ORAL IMPLANTS RESEARCH

WILEY  
ONLINE LIBRARY  
Discover this journal online at  
[wileyonlinelibrary.com/journal/clr](http://wileyonlinelibrary.com/journal/clr)

Volume 22 · Number 5 · May 2011

## Contents

### Original Articles

Comparison of two early loading protocols in full arch reconstructions in the edentulous maxilla using the Cresco prosthetic system: a three-arm parallel group randomized-controlled trial	455	A. Jokstad, S. Ellner & A. Gussgard
Implant-supported fixed prostheses in the edentulous maxilla: 8-year prospective results	464	C. Mertens & H. G. Steveling
Sinus floor augmentation using large (1–2 mm) or small (0.25–1 mm) bovine bone mineral particles: a prospective, intra-individual controlled clinical, micro-computerized tomography and histomorphometric study	473	T. Chackartchi, G. Iezzi, M. Goldstein, A. Klinger, A. Soskolne, A. Piattelli & L. Shapira
Implant survival after sinus elevation with Straumann® BoneCeramic in clinical practice: <i>ad interim</i> results of a prospective study at a 15-month follow-up	481	U. Covani, B. Orlando, L. Giacomelli, R. Cornelini & A. Barone
Apical and marginal bone alterations around implants in maxillary sinus augmentation grafted with autogenous bone or bovine bone material and simultaneous or delayed dental implant positioning	485	L. Sbordone, L. Levin, F. Guidetti, C. Sbordone, A. Glikman & D. Schwartz-Arad
Peri-implant bone tissue assessment by comparing the outcome of intra-oral radiograph and cone beam computed tomography analyses to the histological standard	492	L. S. Corpora, R. Jacobs, M. Quirynen, Y. Huang, I. Naert & J. Duyck
Cortical porosity of the mandible in an osteoporotic sheep model	500	G. Dvorak, K. M. Reich, S. Tangl, J. Goldhahn, R. Haas & R. Gruber
Bone regeneration in the presence of a synthetic hydroxyapatite/silica oxide-based and a xenogenic hydroxyapatite-based bone substitute material	506	A. Kruse, R. E. Jung, P. Nicholls, R. A. Zwahlen, C. H. F. Hämerle & F. E. Weber
Magnesium-enriched hydroxyapatite at immediate implants: a histomorphometric study in dogs	512	M. Caneva, D. Botticelli, E. Stellini, S. L. S. Souza, L. A. Salata & N. P. Lang
Intermittent parathyroid hormone fails to stimulate osseointegration in diabetic rats	518	U. Kuchler, T. Spilka, K. Baron, S. Tangl, G. Watzek & R. Gruber
The impact of ovariectomy and hyperglycemia on graft consolidation in rat calvaria	524	A. Fuegl, S. Tangl, C. Keibl, G. Watzek, H. Redl & R. Gruber
Analysis of osteoblastic gene expression in the early human mesenchymal cell response to a chemically modified implant surface: an <i>in vitro</i> study	530	A. A. Mamalis & S. S. Silvestros
Influence of space-filling materials in subantral bone augmentation: blood clot vs. autogenous bone chips vs. bovine hydroxyapatite	538	F. Lambert, A. Léonard, P. Drion, S. Sourice, P. Layrolle & E. Rompen
Rehabilitation of irradiated patients with modified and conventional sandblasted acid-etched implants: preliminary results of a split-mouth study	546	S. Heberer, S. Kilic, J. Hossamo, J.-D. Raguse & K. Nelson
Titanium nitride oxide coating on rough titanium stimulates the proliferation of human primary osteoblasts	552	S. Durual, F. Pernet, P. Rieder, M. Mekki, M. Cattani-Lorente & H. W. A. Wiskott
Atrophic maxillary floor augmentation by mineralized human bone allograft in sinuses of different size: an histologic and histomorphometric analysis	560	C. M. Soardi, S. Spinato, D. Zaffo & H.-L. Wang
Primary stability, insertion torque and bone density of cylindric implant <i>ad modum</i> Branemark: Is there a relationship? An <i>in vitro</i> study	567	P. Trisi, S. De Benedittis, G. Perfetti & D. Berardi

This journal is available online at Wiley Online Library.  
Visit [wileyonlinelibrary.com/journal/clr](http://wileyonlinelibrary.com/journal/clr) to search the articles and register for table of contents e-mail alerts.

Clinical Oral Implants Research is covered by Current Contents®/Clinical Medicine, the Science Citation Index®, and SciSearch®.

Printed in Malaysia  
ISSN:0905-7161



## Contents

- 407 "MTA"—An Hydraulic Silicate Cement: Review update and setting reaction  
B.W. Darvell, R.C.T. Wu
- 423 Numerical fatigue 3D-FE modeling of indirect composite-restored posterior teeth  
P. Ausiello, P. Franciosa, M. Martorelli, D.C. Watts
- 431 Evaluation of failure risks in ceramic restorations for endodontically treated premolar with MOD preparation  
C.-L. Lin, Y.-H. Chang, C.-A. Pai
- 439 Residual stress measurement in veneering ceramic by hole-drilling  
A.K. Mainjot, G.S. Schajer, A.J. Vanheusden, M.J. Sadoun
- 445 3D-FE analysis of soft liner-acrylic interfaces under shear loading  
M.M. Hatamleh, F.P. Rodrigues, N. Silikas, D.C. Watts
- 455 Nano-hybrid vs. fine hybrid composite in extended Class II cavities after six years  
N. Krämer, F. García-Godoy, C. Reinelt, A.J. Feilzer, R. Frankenberger
- 465 The use of sodium trimetaphosphate as a biomimetic analog of matrix phosphoproteins for remineralization of artificial caries-like dentin  
Y. Liu, N. Li, Y. Qi, L.-n. Niu, S. Elshafiy, J. Mao, L. Breschi, D.H. Pashley, F.R. Tay
- 478 A novel hyperbranched poly(acrylic acid) for improved resin-modified glass-ionomer restoratives  
J. Zhao, D. Xie
- 487 Preparation and evaluation of a novel glass-ionomer cement with antibacterial functions  
D. Xie, Y. Weng, X. Guo, J. Zhao, R.L. Gregory, C. Zheng
- 497 Network structures of Bis-GMA/TEGDMA resins differ in DC, shrinkage-strain, hardness and optical properties as a function of reducing agent  
A.Y. Furuse, J. Mondelli, D.C. Watts

### Online only articles

- e81 Cytotoxicity of orthodontic materials assessed by survival tests in *Saccharomyces cerevisiae*  
K.M. Limberger, G.H. Westphalen, L.M. Menezes, R. Medina-Silva
- e87 Identification of glutathione-methacrylates adducts in gingival fibroblasts and erythrocytes by HPLC-MS and capillary electrophoresis  
G. Nocca, R. Ragno, V. Carbone, G.E. Martorana, D.V. Rossetti, G. Gambarini, B. Giardina, A. Lupi
- e99 Development of a novel surface modification for improved bonding to zirconia  
J.R. Piascik, S.D. Wolter, B.R. Stoner

### Corrigendum

- 507 Corrigendum to "Impedance methodology: A new way to characterize the setting reaction of dental cements" [Dental Mater. 26 (2010) 1127–1132]  
C. Villat, X.-V. Tran, N. Pradelle-Plasse, P. Ponthiaux, F. Wenger, B. Grosgeat, P. Colon

## Indexing Services

Dental Materials is indexed by Index Medicus, BIOSIS, Current Contents, SciSearch, Research Alert, UnCover, Reference Update, UMI, Silver Platter, Excerpta Medica, CAB International and CINAHL. The journal is available in microfilm from UMI.



This journal is part of Science Direct's free alerting service which sends tables of contents and favourite topics for Elsevier books and journals. You can register by clicking "Alerts" at [www.sciencedirect.com](http://www.sciencedirect.com)



Amsterdam • Boston • London • New York • Oxford • Paris • Philadelphia • San Diego • St. Louis

# SUMARIO



## LA TRIBUNA

Carlos Carnicer



## CARTAS AL DIRECTOR



## A FONDO

Prof. D. Mariano Sanz

D. Enric Masdevall



## EL CONSEJO AL DÍA



## LOS DESAYUNOS DEL CONSEJO

Sindicalismo y asociacionismo



## LA CONSULTA JURÍDICA

Los contratos. El riesgo de ser dentista y falso empresario



## EL CONSEJO SE MUEVE



## COLEGIOS 360°



## EUROPA ALL NEWS



## CIENCIA EN SOCIEDADES



## NOMBRAMIENTOS



## MUNDO EMPRESARIAL



## AGENDA

6

8

10

14

20

26

30

36

40

42

46

48

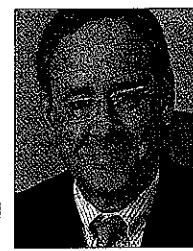
50



## PROF. D. MARIANO SANZ ALONSO

*"En la esfera educativa uno de los puntos que más ha mejorado es el nivel de los alumnos"*

10



## JOSÉ MARÍA MORA GARCÍA

## LOS CONTRATOS

*El riesgo de ser dentista y falso empresario*



26

20

## LOS DESAYUNOS DEL CONSEJO

*Analizamos el presente y futuro de los sindicatos y asociaciones en el sector de la salud bucodental y su papel en la defensa y representación de los profesionales y de los pacientes*

# endodoncia

## Sumario

Volumen 29 Número 1 ENERO-MARZO 2011

### NOTA DE LA PRESIDENTA

R.M<sup>a</sup> Sudrez Feito

5

### NOTA DEL EDITOR

J. Pumarola

6

### ARTÍCULOS INVESTIGACIÓN

Evaluación del sellado apical provisto por un cemento experimental a base de MTA.

R. Hilú, C. Aldrey, R. Scavo, Pérez Adriana

7

Incidencia de microfracturas producidas por dos tipos de puntas ultrasónicas en la preparación de cavidades retrógradas

I. Barbero Navarro, M. Gabriela Bento, Eduardo Oliveira

14

### TÉCNICA CLÍNICA

Irrigación mediante presión negativa: Endovac, a propósito de un caso

R. Estévez Lúaña, C. de Gregorio González, J. Aranguren Cangas, F. de la Torre de la Fuente,  
A. Martín Escorial, R. Cisneros Cabello

19

### CASO CLÍNICO

Revisión de una fractura radicular con tratamiento atípico durante 23 años

C. Fuentes Candelas

27

### REVISIÓN BIBLIOGRÁFICA

*Actinomyces* en endodoncia

B. Vera, L. Forner, F.J. Vera, A. Almenar

33

Hidróxido de calcio: Influencia del vehículo sobre su efectividad como medicación intraconducto

O. Zmener

40

### AGENDA PROFESIONAL

48

# **EUROPEAN JOURNAL OF ORTHODONTICS**

## **Table of Contents**

*Volume 33 Issue 2 April 2011*

### **Articles**

- A. Boccaccio, M. Cozzani, and C. Pappalettere  
**Analysis of the performance of different orthodontic devices for mandibular symphyseal distraction osteogenesis**  
*Eur J Orthod (2011) 33(2): 113-120*
- T. Baccetti, H. J. De Clerck, L. H. Cevidanes, and L. Franchi  
**Morphometric analysis of treatment effects of bone-anchored maxillary protraction in growing Class III patients**  
*Eur J Orthod (2011) 33(2): 121-125*
- Isao Koyama, Shoichiro Iino, Yuka Abe, Teruko Takano-Yamamoto, and Shouichi Miyawaki  
**Differences between sliding mechanics with implant anchorage and straight-pull headgear and intermaxillary elastics in adults with bimaxillary protrusion**  
*Eur J Orthod (2011) 33(2): 126-131*
- Chi-Yang Tsai, Yi-Ming Shyr, Wan-Chi Chiu, and Chi-Ming Lee  
**Bone changes in the mandible following botulinum neurotoxin injections**  
*Eur J Orthod (2011) 33(2): 132-138*
- Sridhar Premkumar, Srinivasan Avathvadi Venkatesan, and Sivaram Rangachari  
**Altered oral sensory perception in tongue thrusters with an anterior open bite**  
*Eur J Orthod (2011) 33(2): 139-142*
- Julia Naoumova, Jüri Kurol, and Heidrun Kjellberg  
**A systematic review of the interceptive treatment of palatally displaced maxillary canines**  
*Eur J Orthod (2011) 33(2): 143-149*
- Stephan P. K. Tan, Arjen J. van Wijk, and Birte Prahl-Andersen  
**Severe hypodontia: identifying patterns of human tooth agenesis**  
*Eur J Orthod (2011) 33(2): 150-154*
- Federica Verdecchia, Marco Bee, Luca Lombardo, Chiara Sgarbanti, and Antonio Gracco  
**Influence of anterior tooth alignment on peer perception in 8- to 10-year-old children**  
*Eur J Orthod (2011) 33(2): 155-160*
- Devrim Isci, Aynur Medine Sahin Saglam, Huseyin Alkis, Selma Elekdag-Turk, and Tamer Turk  
**Effects of fluorosis on the shear bond strength of orthodontic brackets bonded with a self-etching primer**  
*Eur J Orthod (2011) 33(2): 161-166*
- Jun Li  
**Effect of flexural strength of orthodontic resin cement on bond strength of metal brackets to enamel surfaces**  
*Eur J Orthod (2011) 33(2): 167-173*
- Mehmet Bayram, Cemal Yeşilyurt, Adem Kuşgöz, Mustafa Ülker, and Metin Nur  
**Shear bond strength of orthodontic brackets to aged resin composite surfaces: effect of surface conditioning**  
*Eur J Orthod (2011) 33(2): 174-179*

Hsiang Yu Cheng, Chien Hsiu Chen, Chuan Li Li, Hung Huey Tsai, Ta Hsiung Chou, and Wei Nan Wang

**Bond strength of orthodontic light-cured resin-modified glass ionomer cement**  
*Eur J Orthod (2011) 33(2): 180-184*

Giampietro Farronato, Cinzia Maspero, Luca Esposito, Enrico Briguglio, Davide Farronato, and Lucia Giannini

**Rapid maxillary expansion in growing patients. Hyrax versus transverse sagittal maxillary expander: a cephalometric investigation**  
*Eur J Orthod (2011) 33(2): 185-189*

Piotr Fudalej, Magdalena Dragan, and Barbara Wedrychowska-Szulc  
**Prediction of the outcome of orthodontic treatment of Class III malocclusions—a systematic review**  
*Eur J Orthod (2011) 33(2): 190-197*

Danna Xiao, Hui Gao, and Yijin Ren

**Craniofacial morphological characteristics of Chinese adults with normal occlusion and different skeletal divergence**  
*Eur J Orthod (2011) 33(2): 198-204*

Yan Gu, James A. McNamara, Jr, Lauren M. Sigler, and Tiziano Baccetti  
**Comparison of craniofacial characteristics of typical Chinese and Caucasian young adults**  
*Eur J Orthod (2011) 33(2): 205-211*

Ama Johal, Zahra Sheriteh, Joanna Battagel, and Claire Marshall  
**The use of videofluoroscopy in the assessment of the pharyngeal airway in obstructive sleep apnoea**  
*Eur J Orthod (2011) 33(2): 212-219*

## Book Review

Alex Cash

**20 years of guided bone regeneration in implant dentistry, 2nd edn. (2009)**  
*Eur J Orthod (2011) 33(2): 220*