

**342 Development of a Stereophotogrammetry Technique to Assess Facial Change Following Surgery for Head and Neck Cancer**

Trevor J. Coward/Robin Richards/Michael Fenlon/Brendan J.J. Scott

**345 Implant Treatment with Fixed Protheses in the Edentulous Maxilla. Part 1: Implants and Biologic Response in Two Patient Cohorts Restored Between 1986 and 1987 and 15 Years Later**

Torsten Jemt/Victoria Stenport/Bertil Friberg

**356 Implant Treatment with Fixed Protheses in the Edentulous Maxilla. Part 2: Prosthetic Technique and Clinical Maintenance in Two Patient Cohorts Restored Between 1986 and 1987 and 15 Years Later**

Torsten Jemt/Victoria Stenport

**363 An up to 3-Year Controlled Clinical Trial Comparing the Outcome of Glass Fiber Posts and Composite Cores with Gold Alloy-Based Posts and Cores for the Restoration of Endodontically Treated Teeth**

Francesca Zicari/Bart Van Meerbeek/Elke Debels/Emmanuel Lesaffre/Ignace Naert

**373 Comparative Analysis of Biofilm Formation on Dental Implant Abutments with Respect to Supra- and Subgingival Areas: Polytetrafluoroethylene Versus Titanium**

Cornelius Eter/Wieland Heuer/Anton Demling/Matthias Hannig/Torsten Heidenblut/Meike Stiesch

**376 Combined Effects of Thermocycling and Load-Cycling on Microleakage of Computer-Aided Design/Computer-Assisted Manufacture Molar Crowns**

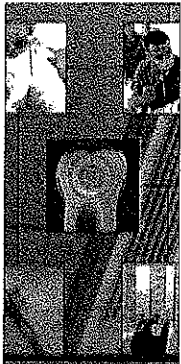
Amr Shebl Kassem/Osama Atta/Omar El-Mowafy

**379 Marginal Integrity of Turkom-Cera Compared to Other All-Ceramic Materials: Effect of Finish Line**

Bandar M.A. AL-Makramani/Abdul A.A. Razak/Mohamed I. Abu-Hassan/Eshamsul Sulaiman/Lui Joo Loon/Noor Azlin Yahya

**386 Upcoming Events**

# SUMARIO



## OPINIÓN

- 150 **Editorial.** ¿Vamos un paso por detrás?  
*Felipe Sáez Castillo*

## EN PORTADA

- 151 **Articaína y lidocaína.** Comparación de la eficacia de articaína y lidocaína como anestésico pulpar en odontología. *Un metaanálisis*  
*R. G. Brandt, P. F. Anderson, N. J. McDonald, W. Sohn, M. C. Peters*



pág. 181

## TENDENCIAS

- 164 **Caries dental.** Diferencias entre las pautas asistenciales de los odontólogos y las odontólogas en lo que respecta al diagnóstico y tratamiento de la caries dental  
*J. L. Riley III, V. V. Gordan, K. M. Rouisse, J. McClelland, G. H. Gilbert, for The Dental Practice-Based Research Network Collaborative Group*



## PRÁCTICA CLÍNICA

- 176 **Osteonecrosis.** Osteonecrosis mandibular en pacientes oncológicos tratados con ácido zoledrónico y bevacizumab  
*F. Francini, A. Pascucci, E. Francini, S. Tindara Milano, G. Bargagli, G. Ruggiero, R. Petrioli*



## INVESTIGACIÓN

- 184 **Artículo español.** Estudio comparativo entre carga inmediata y carga diferida en sobredentaduras  
*A. Loughney González, F. Fernández Cáliz, C. Barona Dorado, I. Leco Berrocal, J. M. Martínez-González*



## FORMACIÓN CONTINUADA

- 189 El programa de Educación Dental Continuada de JADA, dirigido a todos los odontoestomatólogos licenciados en España, ofrece a los lectores la oportunidad de obtener créditos de Educación Continuada.

Serum interleukin-6 may modulate periodontal inflammation in type 1 diabetic subjects. pg. 687-693 Passoja, A.; Knuuttila, M.; Hiltunen, L.

*Porphyromonas gingivalis* lipopolysaccharide lipid A heterogeneity differentially modulates the expression of IL-6 and IL-8 in human gingival fibroblasts. pg. 694-701 DHerath, T.D.K.; Wang, Y.; Seneviratne, C.J.

Brain abscess associated with *Aggregatibacter actinomycetemcomitans*: case report and review of literature. pg. 702-706 Rahamat-Langendoen, J.C.; van Vonderen, M.G.A.; Engstrom, L.J.

Retention of questionable and hopeless teeth in compliant patients treated for aggressive periodontitis. pg. 707-714 Graetz, C.; Dorfer, C. E. ; Kahl, M.

Fourteen-year outcomes of coronally advanced flap for root coverage: follow-up from a randomized trial. pg. 715-720 Pini Prato, G.; Rotundo, R.; Franceschi, D.

Isolation and characterization of human periodontal ligament (PDL) stem cells (PDLSCs) from the inflamed PDL tissue: in vitro and in vivo evaluations. pg. 721-731 Park, J.C.; Kim, J.M. ; Jung, I.H.

Periodontal disease as a risk for dental implant failure over time: A long-term historical cohort study. pg. 732-737 Levin, L.; Ofec, R.; Grossmann, Y.

Surgical therapy of peri-implantitis lesions by means of a bovine-derived xenograft: comparative results of a prospective study on two different implant surfaces. pg. 738-745 Rocuzzo, M.; Bonino, F.; Bonino, L.

Immediate single-tooth implants in the anterior maxilla: 3-year results of a case series on hard and soft tissue response and aesthetics. pg. 746-753 Cosyn, J.; Eghbali, A.; De Bruyn, H.

Healing of peri-implant tissues after flapless and flapped implant installation. pg. 754-761 Bayounis, A.M.A. ; Alzoman, H.A.; Jansen, J.A.

Ridge alterations following flapless immediate implant placement with or without immediate loading. Part II: a histometric study in the Beagle dog. pg. 762-770 Blanco, J.; Linares, A.; Perez, J.

Diabetes mellitus negatively affects peri-implant bone formation in the diabetic domestic pig. pg. 771-779 von Wilmsky, C.; Stockmann, P.; Harsch, I.

## PERSPECTIVES

- 197 **Noncarious Cervical Lesions: Why on the Facial? A Theory**

W. Dan Sneed, DMD, MAT, MHS

## CONTEMPORARY ISSUES

- 201 **Estimated Light Exposure Time for Composite Resin Restorative Materials**

Kraig S. Vandewalle, DDS, MS,  
 Edward J. Swift, Jr., DMD, MS

## ORIGINAL ARTICLES

- 205 **Dental Erosion: Understanding This Pervasive Condition**

Júnio S. Almeida E Silva, DDS, MSC,  
 Luiz Narciso Baratieri, DDS, MSC, PhD,  
 Edson Araujo, DDS, MSC, PhD,  
 Nicolas Widmer, DDS, PhD

- 217 **Commentary**

Terry Donovan, DDS

- 219 **Three-Dimensional Esthetic Analysis in Treatment Planning for Implant-Supported Fixed Prosthesis in the Edentulous Maxilla: Review of the Esthetics Literature**

Avinash S. Bidra, BDS, MS

- 237 **Commentary**

Daniel Y. Sullivan, DDS

## RESEARCH ARTICLES

- 238 **A New Approach to Compare the Esthetic Properties of Different Composite Materials**

Niels Østervemb, DDS,  
 Jette Nedergaard Jørgensen, DDS,  
 Preben Hørsted-Bindslev, DDS

- 247 **Commentary**

Simone Deliperi, DDS

- 250 **Effect of Three Indigenous Food Stains on Resin-Based, Microhybrid-, and Nanocomposites**

Neeraj Malhotra, MDS,  
 Revathi P. Shenoy, MSC, PhD,  
 Shashirashmi Acharya, MDS,  
 Ramya Shenoy, MDS,  
 Shreemathi Mayya, MSC, PhD

- 258 **Commentary**

Charles Wakefield, DDS

- 260 **Evaluation of the Possibility of Removing Staining by Repolishing Composite Resins Submitted to Artificial Aging**

Taciana Emilia de Almeida Anfe, DDS, MS,  
 Carlos Martins Agra, DDS, MSc, PhD,  
 Glauco Fioranelli Vieira, DDS, PhD

- 268 **Commentary**

Patrick Roetzer, DDS

## CRITICAL APPRAISAL

- 269 **Preheating Composites**

Juliana B. da Costa, DDS, MS,  
 Thomas J. Hilton, DMD, MS,  
 Edward J. Swift, Jr., DMD, MS

To read these articles online visit: [www.wileyonlinelibrary.com/journal/jerd](http://www.wileyonlinelibrary.com/journal/jerd)

To submit a paper to the *Journal of Esthetic and Restorative Dentistry* visit: <http://mc.manuscriptcentral.com/jerd>

Single visit fabrication of a porcelain laminate veneer with CAD/CAM technology: A clinical report.

pg. 71-73 Vafiadis, D.; Goldstein, G.

Hallermann-Streiff syndrome patient treated with removable prosthesis: A clinical report.

pg. 74-77 Chee, W.W.; Lee, W.

Freedom of rotation of selected overdenture attachments: An in vitro study.

pg. 78-86 Chen, I.C.; Brudvik, J.S.; Mancl, L. A.

Analysis of the periimplant tissue of craniofacial implants by sulcus fluid flow rate (SFFR).

pg. 87-94 Cho, C.H.; Klein, M.; Scheufele, R.

Gender differences in the form of maxillary central incisors analyzed using AutoCAD software.

pg. 95-101 Brunetto, J.; Becker, M. M.; Volpato, C.A.

Choosing the esthetic angle of the face: experiments with laypersons and prosthodontists.

pg. 102-108 Behrend, D.A.; Harcourt, J.K.; Adams, G.G.

Comparative radiopacity of ceramics and metals with human and bovine dental tissues.

pg. 109-117 Pekkan, G.; Pekkan, K. ; Hatipoglu, M.G.

Relative fracture toughness of bis-acryl interim resin materials.

pg. 118-125 Knobloch, L.A. ; Kerby, R.E.; Pulido, T.

Dimensional stability of irreversible hydrocolloid impression materials as a function of pouring time: A systematic review.

pg. 126-133 Nassar, U.; Aziz, T.; Flores-Mir, C.

A technique for retrieval of cement-retained implant-supported prostheses.

pg. 134-138 Schweitzer, D. M. ; Berg, R.W.; Mancina, G.O.

Fundada en 1971 por:  
JOSÉ A. CANUT

**DIRECTOR EMÉRITO**

ARTURO COSTA

**DIRECTOR**

ANDREU PUIGDOLLERS

Buenos Aires, 15-17, 1º 3º  
08029 Barcelona

andreu.puigdollers@permanyer.com

**DIRECTORA ADJUNTA**

MONTSERRAT Díez-CASCÓN  
General Mitre, 36

08017 Barcelona  
montse.diez@permanyer.com

**ASESOR DEL DIRECTOR**

JOSÉ CANUT

**COMITÉ DE REDACCIÓN**

Juan Canut  
Ana Molina  
Marcos Costa  
Fernando de la Iglesia  
José L. Gandía

**DIRECTOR  
DE LA EDICIÓN DIGITAL**

Javier Fernández-Bozal

**COMITÉ CIENTÍFICO**

Luis A. Bravo  
Universidad de Murcia  
Juan Cobo  
Universidad de Oviedo  
David Suárez  
Universidad de Santiago  
Joaquín Travesí  
Universidad de Granada  
Miguel Urizar  
Universidad del País Vasco  
M. Teresa Vilar  
Universidad de Barcelona  
Eliseo Plasencia  
Universidad de Valencia

## Sumario

### EDITORIAL

Las tendencias más recientes de la ortodoncia

*Andreu Puigdollers*

63

### ARTÍCULO ORIGINAL

Análisis QLF de los dientes tratados con adhesión  
mediante dos sistemas diferentes

*Şirin Nevzatoğlu, Gürol Özyöney, Ahu Acar, Dilek Arslantunali  
Tağtekin, Funda Yanıkoğlu Çalışkan y Nazan Küçükkeleş*

65

Protocolo de exploración interdisciplinaria orofacial para adultos:  
manejo y codificación

*Elsa Bottini Montautti, Alberto Carrasco López,  
Pablo Echarri Lobiondo, Ana Molina Coral, Eduardo Padrós Serrat,  
Joan Pau Marcó de Garriga y Emma Vila Manchó*

71

Tratamiento temprano de las Clases III

*Eduardo Espinar Escalona, María Belén Ruiz Navarro,  
Heidi Ortega Rivera, José M.ª Llamas Carreras,  
José M.ª Barrera Mora y José Enrique Solano Reina*

79

Validez de las prótesis de avance mandibular en el tratamiento  
del síndrome de apnea-hipopnea del sueño

*Juan Martínez-Font, Inmaculada Soler Segarra  
y Santiago Arias de Luxán*

90

Ortodoncia invisible. Cuándo y para qué

*Eduardo Padrós Serrat*

95

Estudio sobre los factores que afectan a la supervivencia  
de los minitorneillos

*Clara Gomis Sanchis, Inmaculada Soler Segarra  
y Santiago Arias de Luxán*

102

### CASO CLÍNICO

Maloclusión grave del adulto. Clase III con compensación dentaria.  
Caso clínico

*Eduardo Espinar Escalona*

109

### REVISTA DE REVISTAS

*Joan Rossell Capell, Laia Aguilar Almirall  
y Núria Clusellas Barrionuevo*

120

### NOTICIAS

124

### DIRECTORIO

125

# RCOE

REVISTA DEL ILUSTRE CONSEJO GENERAL DE COLEGIOS DE  
ODONTÓLOGOS Y ESTOMATÓLOGOS DE ESPAÑA

Julio 2011 Vol. 16 Nº 2

## SUMARIO

EDITORIAL .....	95
<b>ORIGINALES</b>	
<b>Estado actual de los diferentes sistemas de escaneado para CAD/CAM .....</b>	<b>97</b>
<i>Zafra Vallejo M, Martínez Bravo A, Celemín Viñuela A y Gómez-Polo M</i>	
<b>Crisis económica y Odontología en España. Propuesta de soluciones por grupo nominal de dentistas .....</b>	<b>107</b>
<i>Barrios R, Rosel E y Bravo M</i>	
<b>Definición del riesgo individual de caries .....</b>	<b>115</b>
<i>Blanco González JM, López-Arranz Monje E, García Barrero ME, Herrero Grandgirard E, Pardo Rodríguez Y y Conde Campos S</i>	
<b>FORMACIÓN CONTINUADA</b>	
<b>Tests de evaluación .....</b>	<b>128</b>
<b>Cursos .....</b>	<b>131</b>
<b>Congresos nacionales e internacionales .....</b>	<b>144</b>
<b>NORMAS DE PUBLICACIÓN.....</b>	<b>162</b>