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Establishment of an optimized *ex vivo* system for artificial root canal infection evaluated by use of sodium hypochlorite and the photodynamic therapy

S. Hecker, K.-A. Hiller, K. M. Galler, S. Erb, T. Mader and G. Schmalz

Accepted manuscript online: 13 SEP 2012 04:41AM EST | DOI: 10.1111/iej.12010

Antimicrobial Efficacy of a Human β -defensin-3 Peptide using an *Enterococcus faecalis* Dentin Infection Model

J.-K. Lee, Y.-J Park, K.-Y. Kum, S.H. Han, S.-W. Chang, B. Kaufman, J. Jiang, Q. Zhu, K. Safavi and L. Spångberg

Accepted manuscript online: 11 SEP 2012 08:42AM EST | DOI: 10.1111/iej.12002

The effect of different taper preparations on the ability of sonic and passive ultrasonic irrigation to reach the working length in curved canals

A. Merino, R. Estevez, C. de Gregorio and N. Cohenca

Accepted manuscript online: 11 SEP 2012 08:50AM EST | DOI: 10.1111/iej.12006

Dentine sialoprotein expression in gingival crevicular fluid during trauma induced root resorption

V Kumar, A Logani and N Shah

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The effect of single-file reciprocating systems on Substance P and Calcitonin gene-related peptide expression in human periodontal ligament

J. Caviedes-Bucheli, J. O. Moreno, C. P. Carreño, R. Delgado, D. J. Garcia DDS, D DS, J. Solano, E. Diaz and H. R. Munoz

Accepted manuscript online: 11 SEP 2012 08:46AM EST | DOI: 10.1111/iej.12005

Original Scientific Articles

Leptin expression in healthy and inflamed human dental pulp

J Martín-González, F Sánchez-Jiménez, A Pérez-Pérez, A Carmona-Fernández, V Sánchez-Margalet and J J Segura-Egea

Accepted manuscript online: 13 SEP 2012 04:40AM EST | DOI: 10.1111/iej.12009

Physical and mechanical properties of twisted or ground nickel-titanium instruments

L. C. Braga, R. R. S. Magalhães, R. K. L. Nakagawa, C. G. Puente, V. T. L. Buono and M. G. A. Bahia

Original Scientific Article

Antimicrobial effects of root canal medicaments against *Enterococcus faecalis* and *Streptococcus mutans*

B Atila-Pektaş, P Yurdakul, D Gülmez and O Gorduysus

Accepted manuscript online: 11 SEP 2012 08:46AM EST | DOI: 10.1111/iej.12004

Original Scientific Articles

Fracture resistance of bone samples filled with fibre reinforced composite posts: an *ex vivo* model

R.G.E.C. Cauwels, L.C. Martens and R.M.H. Verbeeck

Accepted manuscript online: 13 SEP 2012 04:40AM EST | DOI: 10.1111/iej.12008

Original Scientific Article

The effects of six electronic apex locators on pacemaker function: *in vitro* study

G. Gomez, F. Duran-Sindreu, F. Jara Clemente, R. R. Garofalo, M. Garcia, R. Bueno and M. Roig

Accepted manuscript online: 5 SEP 2012 11:34AM EST | DOI: 10.1111/iej.12000