



## International Endodontic Journal

© International Endodontic Journal

[Volume 46, Issue 4 Pages 293 - 388, April 2013](#)

The latest issue of International Endodontic Journal is available on [Wiley Online Library](#)

---

### Editorial

#### **Research that matters – canal preparation, retreatment and working length studies (pages 293–295)**

M. Hülsmann

Article first published online: 7 MAR 2013 | DOI: 10.1111/iej.12063

---

### Review

#### **Efficacy of lasers as an adjunct to chemo-mechanical disinfection of infected root canals: a systematic review (pages 296–307)**

H. Fransson, K. M. Larsson and E. Wolf

Article first published online: 24 OCT 2012 | DOI: 10.1111/iej.12003

---

### Original Scientific Articles

#### **Characterization of a programmed necrosis process in 3-dimensional cultures of dental pulp fibroblasts (pages 308–316)**

J. Le Clerc, M. Pérard, P. Pellen-Mussi, A. Novella, S. Tricot-Doleux, S. Jeanne and F. Pérez

Article first published online: 21 AUG 2012 | DOI: 10.1111/j.1365-2591.2012.02114.x

#### **Primary assessment of a self-adhesive gutta-percha material (pages 317–322)**

M. Marending, S. B. Bubenhofer, B. Sener and G. De-Deus

Article first published online: 7 SEP 2012 | DOI: 10.1111/j.1365-2591.2012.02117.x

#### **Potential errors and misuse of statistics in studies on leakage in endodontics (pages 323–331)**

C. Lucena, J. M. Lopez, R. Pulgar, C. Abalos and M. J. Valderrama

Article first published online: 7 SEP 2012 | DOI: 10.1111/j.1365-2591.2012.02118.x

#### **Chitosan: a new solution for removal of smear layer after root canal instrumentation (pages 332–338)**

P. V. Silva, D. F. C. Guedes, F. V. Nakadi, J. D. Pécora and A. M. Cruz-Filho

Article first published online: 13 SEP 2012 | DOI: 10.1111/j.1365-2591.2012.02119.x

#### **Antimicrobial efficacy of a high-power diode laser, photo-activated disinfection, conventional and sonic activated irrigation during root canal treatment (pages 339–347)**

I. Bago, V. Plečko, D. Gabrić Pandurić, Z. Schauerl, A. Baraba and I. Anić

Article first published online: 13 SEP 2012 | DOI: 10.1111/j.1365-2591.2012.02120.x

#### **Improving the accuracy of a fluid transport method (pages 348–354)**

A. R. Özok, B. Verhaagen and P. R. Wesselink

Article first published online: 27 SEP 2012 | DOI: 10.1111/j.1365-2591.2012.02123.x

**The use of radiography and the apex locator in endodontic treatment within the UK: a comparison between endodontic specialists and general dental practitioners (pages 355–364)**

I. Orafi and V. E. Rushton

Article first published online: 24 OCT 2012 | DOI: 10.1111/j.1365-2591.2012.02127.x

**Effect of three different storage media on survival of periodontal ligament cells using collagenase–dispase assay (pages 365–370)**

N. K. Mahal, N. Singh, A. M. Thomas and N. Kakkar

Article first published online: 27 SEP 2012 | DOI: 10.1111/j.1365-2591.2012.02129.x

**Dentine sialoprotein expression in gingival crevicular fluid during trauma-induced root resorption (pages 371–378)**

V. Kumar, A. Logani and N. Shah

Article first published online: 24 OCT 2012 | DOI: 10.1111/iej.12001

**Study on bending behaviour of nickel–titanium rotary endodontic instruments by analytical and numerical analyses (pages 379–388)**

C. C. Tsao, J. U. Liou, P. H. Wen, C. C. Peng and T. S. Liu

Article first published online: 22 NOV 2012 | DOI: 10.1111/iej.12025