



International Endodontic Journal

© International Endodontic Journal. Published by John Wiley & Sons Ltd

[Volume 47, Issue 2 Pages 115 - 209, February 2014](#)

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

Editorial

Research that matters: setting guidelines for the use and reporting of statistics (pages 115–119)

Erick Souza

Article first published online: 8 JAN 2014 | DOI: 10.1111/iej.12198

Original Scientific Articles

Influence of powder-to-water ratio on radiopacity, setting time, pH, calcium ion release and a micro-CT volumetric solubility of white mineral trioxide aggregate (pages 120–126)

B. C. Cavenago, T. C. Pereira, M. A. H. Duarte, R. Ordinola-Zapata, M. A. Marciano, C. M. Bramante and N. Bernardineli

Article first published online: 3 MAY 2013 | DOI: 10.1111/iej.12120

Magnesium phosphate cements for endodontic applications with improved long-term sealing ability (pages 127–139)

G. Mestres, F. S. Aguilera, N. Manzanares, S. Sauro, R. Osorio, M. Toledano and M. P. Ginebra

Article first published online: 3 MAY 2013 | DOI: 10.1111/iej.12123

Influence of several root canal disinfection methods on pushout bond strength of self-etch post and core systems (pages 140–146)

I. Katalinić, K. Glockner and I. Anić

Article first published online: 24 MAY 2013 | DOI: 10.1111/iej.12124

Influence of refreshment/activation cycles and temperature rise on the reaction rate of sodium hypochlorite with bovine dentine during ultrasonic activated irrigation (pages 147–154)

R. G. Macedo, B. Verhaagen, P. R. Wesselink, M. Versluis and L. W. M. van der Sluis

Article first published online: 24 MAY 2013 | DOI: 10.1111/iej.12125

Electrochemical induced dissolution of fragments of nickel–titanium endodontic files and their removal from simulated root canals (pages 155–162)

L. R. L. Aboud, F. Ormiga and J. A. C. P. Gomes

Article first published online: 9 MAY 2013 | DOI: 10.1111/iej.12126

Effects of *Enterococcus faecalis* lipoteichoic acid on receptor activator of nuclear factor- κ B ligand and osteoprotegerin expression in periodontal ligament fibroblasts (pages 163–172)

L. Zhao, J. Chen, L. Cheng, X. Wang, J. Du, F. Wang and Z. Peng

Article first published online: 25 MAY 2013 | DOI: 10.1111/iej.12127

Comparison of hand and rotary instrumentation for removing gutta-percha from previously treated curved root canals: a microcomputed tomography study (pages 173–182)

T. Rödiger, J. Kupis, F. Konietzschke, C. Dullin, S. Drebenstedt and M. Hülsmann
Article first published online: 24 MAY 2013 | DOI: 10.1111/iej.12128

Instrument fracture in root canals - where, why, when and what? A study from a student clinic (pages 183–190)

C. Ungerechts, A. Bårdsen and I. Fristad
Article first published online: 25 MAY 2013 | DOI: 10.1111/iej.12131

Formation and removal of apical vapor lock during syringe irrigation: a combined experimental and Computational Fluid Dynamics approach (pages 191–201)

C. Boutsoukis, E. Kastrinakis, T. Lambrianidis, B. Verhaagen, M. Versluis and L. W. M. van der Sluis
Article first published online: 25 MAY 2013 | DOI: 10.1111/iej.12133

Fatigue susceptibility of an endodontic fibre post material (pages 202–209)

J. V. B. Barbizam and S. N. White
Article first published online: 25 MAY 2013 | DOI: 10.1111/iej.12135