



International Endodontic Journal

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

[Volume 48, Issue 9 Pages 815 - 910, September 2015](#)

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

Review Articles

Cone beam computed tomography and periapical lesions: a systematic review analysing studies on diagnostic efficacy by a hierarchical model (pages 815–828)

C. Kruse, R. Spin-Neto, A. Wenzel and L.-L. Kirkevang
Article first published online: 24 OCT 2014 | DOI: 10.1111/iej.12388

A review of the effects of formaldehyde release from endodontic materials (pages 829–838)

B. Athanassiadis, G. A. George, P. V. Abbott and L. J. Wash
Article first published online: 21 OCT 2014 | DOI: 10.1111/iej.12389

Original Scientific Articles

A dual role for β 1 integrin in an *in vitro* Streptococcus mitis/human gingival fibroblasts co-culture model in response to TEGDMA (pages 839–849)

C. Di Nisio, M. De Colli, V. di Giacomo, M. Rapino, V. Di Valerio, G. D. Marconi, M. Gallorini, M. Di Giulio, A. Cataldi and S. Zara
Article first published online: 10 OCT 2014 | DOI: 10.1111/iej.12379

Mechanical weakening of devitalized teeth: three-dimensional Finite Element Analysis and prediction of tooth fracture (pages 850–863)

K. Zelic, A. Vukicevic, G. Jovicic, S. Aleksandrovic, N. Filipovic and M. Djuric
Article first published online: 20 OCT 2014 | DOI: 10.1111/iej.12381

Impact of root fillings and posts on the diagnostic ability of three intra-oral digital radiographic systems in detecting vertical root fractures (pages 864–871)

H. A. R. Nascimento, F. S. Neves, S. L. de-Azevedo-Vaz, T. M. Duque, G. M. B. Ambrosano and D. Q. Freitas
Article first published online: 20 OCT 2014 | DOI: 10.1111/iej.12382

Temperature rise on the surface of NiTi and stainless steel fractured instruments during ultrasonic removal (pages 872–877)

A. A. Madarati
Article first published online: 20 OCT 2014 | DOI: 10.1111/iej.12383

A study of the interleukin-1 gene cluster polymorphisms and inflammatory external root resorption in replanted permanent teeth (pages 878–887)

J. V. Bastos, M. I. S. Côrtes, J. F. C. Silva, E. M. A. Goulart, E. A. Colosimo, R. S. Gomez and W. O. Dutra
Article first published online: 21 OCT 2014 | DOI: 10.1111/iej.12384

Pre-clinical endodontic training with artificial instead of extracted human teeth: does the type of exercise have an influence on clinical endodontic outcomes? (pages 888–893)

J. P. Tchorz, M. Brandl, P. A. Ganter, L. Karygianni, O. Polydorou, K. Vach, E. Hellwig and M. J. Altenburger
Article first published online: 20 OCT 2014 | DOI: 10.1111/iej.12385

Evaluation of the mechanical behaviour of PathFile and ProGlider pathfinding nickel–titanium rotary instruments (pages 894–901)

A. M. Elnaghy and S. E. Elsaka
Article first published online: 21 OCT 2014 | DOI: 10.1111/iej.12386

Case Report

Regenerative endodontic treatment of an immature tooth with a necrotic pulp and apical periodontitis using platelet-rich plasma (PRP) and mineral trioxide aggregate (MTA): a case report (pages 902–910)

G. S. Sachdeva, L. T. Sachdeva, M. Goel and S. Bala
Article first published online: 3 DEC 2014 | DOI: 10.1111/iej.12407