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1. Issue Information

**Issue Information**

Pages: i-iii, 133 | First Published: 15 January 2019

2. Editorial

**Third European Society of Endodontology (ESE) research meeting: ACTA, Amsterdam, The Netherlands, 26th October 2018**

H. F. Duncan, L. Bjørndal, L. van der Sluis, D. K. Rechenberg, S. Simon, P. R. Cooper, D. Ricucci, K. Galler

Pages: 135-138 | First Published: 15 January 2019

3. Clinical Research

**Impact of root canal preparation performed by ProTaper Next or Reciproc on the quality of life of patients: a randomized clinical trial**

P. S. Oliveira, K. N. B. da Costa, C. N. Carvalho, M. C. Ferreira

Pages: 139-148 | First Published: 24 July 2018

**Immunological profile of teeth with inflammatory periapical disease from chronic liver disease patients**

J. M. Braga Diniz, M. C. Espaladori, M. E. Souza e Silva, L. C. N. Brito, L. Q. Vieira, A. P. Ribeiro Sobrinho

Pages: 149-157 | First Published: 08 August 2018

**Indications for root canal treatment in a Swedish county dental service: patient- and tooth-specific characteristics**

E. Wigsten, P. Jonasson, EndoReCo, T. Kvist

Pages: 158-168 | First Published: 14 August 2018

4. Review Articles

**Methods for measurement of root canal curvature: a systematic and critical review**

R. C. Hartmann, M. Fensterseifer, O. A. Peters, J. A. P. de Figueiredo, M. S. Gomes, G. Rossi-Fedele

Pages: 169-180 | First Published: 11 August 2018

**Effectiveness of technology-enhanced learning in Endodontic education: a systematic review and meta-analysis**

V. Nagendrababu, S. J. Pulikkotil, O. S. Sultan, J. Jayaraman, J. A. Soh, P. M. H. Dummer  
Pages: 181-192 | First Published: 12 August 2018

5. Basic Research – Biological

**Biocompatibility of mineral trioxide aggregate flow and biodentine**

J. A. S. Mondelli, R. A. Hoshino, P. H. Weckwerth, P. S. Cerri, R. T. Leonardo, J. M. Guerreiro-Tanomaru, M. Tanomaru-Filho, G. F. da Silva  
Pages: 193-200 | First Published: 23 July 2018

**Bacterial species associated with persistent apical periodontitis exert differential effects on osteogenic differentiation**

A. T. Chow, S. Y. Quah, G. Bergenholtz, K. C. Lim, V. S. H. Yu, K. S. Tan  
Pages: 201-210 | First Published: 12 August 2018

**Evidence for changing nerve growth factor signalling mechanisms during development, maturation and ageing in the rat molar pulp**

A. Mahdee, J. Eastham, J. M. Whitworth, J. I. Gillespie  
Pages: 211-222 | First Published: 12 August 2018

6. Basic Research – Technical

**Assessment of artefacts produced by metal posts on CBCT images**

A. P. Lira de Farias Freitas, Y. W. Cavalcanti, F. C. M. Costa, L. R. Peixoto, A. M. A. Maia, K. Rovaris, P. M. Bento, D. P. Melo  
Pages: 223-236 | First Published: 14 August 2018

**Dentine decalcification and smear layer removal by different ethylenediaminetetraacetic acid and 1-hydroxyethane-1,1-diphosphonic acid species**

S. Deari, D. Mohn, M. Zehnder  
Pages: 237-243 | First Published: 20 July 2018

**Safe pseudoelastic limit range under torsional loading with Reciproc Blue**

J.-H. Ha, G. De-Deus, A. Versluis, S. W. Kwak, H.-C. Kim  
Pages: 244-249 | First Published: 24 July 2018

**Effectiveness of Reciproc Blue in removing canal filling material and regaining apical patency**

G. De-Deus, F. G. Belladonna, A. S. Zuolo, M. Simões-Carvalho, C. B. Santos, D. S. Oliveira, D. M. Cavalcante, E. J. N. L. Silva  
Pages: 250-257 | First Published: 09 August 2018