



[Early View](#)

Online Version of Record before inclusion in an issue

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

Version of Record online: 29 August 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

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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

Version of Record online: 14 August 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

Version of Record online: 16 August 2018

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

Version of Record online: 17 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

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Influence of dentine debris and organic tissue on the properties of sodium hypochlorite solutions

S. Tejada, P. Baca, C. M. Ferrer-Luque, M. Ruiz-Linares, M. J. Valderrama, M. T. Arias-Moliz

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Mechanical reduction in intracanal Enterococcus faecalis when using three different single-file systems: an ex vivo comparative study

B. Üreyen Kaya, C. E. Erik, E. Sesli Çetin, M. Köle, M. Maden

Version of Record online: 24 July 2018

Comparison of the effectiveness of various rotary and reciprocating systems with different surface treatments to remove gutta-percha and an epoxy resin-based sealer from straight root canals

I. Bago, M. Suk, M. Katić, D. Gabrić, I. Anić
Version of Record online: 25 July 2018

Activation of α SMA expressing perivascular cells during reactionary dentinogenesis

I. Vidovic-Zdrilic, A. Vijaykumar, M. Mina
Version of Record online: 26 July 2018

Fracture incidence of instruments from a single-file reciprocating system by students in an endodontic graduate programme: a cross-sectional retrospective study

H. Caballero-Flores, C. K. Nabeshima, E. Binotto, M. E. L. Machado
Version of Record online: 27 July 2018

Mast cells and immunoexpression of FGF-1 and Ki-67 in rat subcutaneous tissue following the implantation of Biodentine and MTA Angelus

T. S. da Fonseca, G. F. Silva, J. M. Guerreiro-Tanomaru, E. Sasso-Cerri, M. Tanomaru-Filho, P. S. Cerri
Version of Record online: 05 July 2018

Real-time dynamic torque values and axial forces during preparation of straight root canals using three different endodontic motors and hand preparation

S. Bürklein, J. P. Stüber, E. Schäfer
Version of Record online: 16 July 2018

Enterococcus faecalis induces apoptosis and pyroptosis of human osteoblastic MG63 cells via the NLRP3 inflammasome

S. Ran, M. Chu, S. Gu, J. Wang, J. Liang
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3D printed replicas for endodontic education

M. Reymus, C. Fotiadou, A. Kessler, K. Heck, R. Hickel, C. Diegritz
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DNA methylation profiles of immune response-related genes in apical periodontitis

C. Wichnieski, K. Maheshwari, L. C. Souza, F. Nieves, T. Tartari, G. P. Garlet, E. Carneiro, A. Letra, R. M. Silva
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Endotoxin levels after chemomechanical preparation of root canals with sodium hypochlorite or chlorhexidine: a systematic review of clinical trials and meta-analysis

P. Neelakantan, D. R. Herrera, V. G. A. Pecorari, B. P. F. A. Gomes
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Use of 0.4-Tesla static magnetic field to promote reparative dentine formation of dental pulp stem cells through activation of p38 MAPK signalling pathway

W.-Z. Lew, S.-W. Feng, C.-T. Lin, H.-M. Huang
Version of Record online: 27 June 2018

Effect of the combination of several irrigants on dentine surface properties, adsorption of chlorhexidine and adhesion of microorganisms to dentine

T. Tartari, C. Wichnieski, L. Bachmann, M. Jafelicci Jr, R. M. Silva, A. Letra, R. van der Hoeven, M. A. H. Duarte, C. M. Bramante

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Detection of the unknown components of the oral microflora of teeth with periapical radiolucencies in a Turkish population using next-generation sequencing techniques

E. İriboz, B. Arıcan Öztürk, M. Kolukırık, İ. Karacan, H. Sazak Öveçoğlu

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Shaping ability of BioRace, ProTaper NEXT and Genius nickel-titanium instruments in curved canals of mandibular molars: a MicroCT study

S. Drukteinis, V. Peciuliene, P. M. H. Dummer, J. Hupp

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Porphyromonas endodontalis reactivates latent Epstein–Barr virus

K. Makino, O. Takeichi, K. Imai, H. Inoue, K. Hatori, K. Himi, I. Saito, K. Ochiai, B. Ogiso

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Orexin-1 receptors in the rostral ventromedial medulla are involved in the modulation of capsaicin evoked pulpal nociception and impairment of learning and memory

F. Shahsavari, M. Abbasnejad, S. Esmaili-Mahani, M. Raoof

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Metagenomic study of bacterial microbiota in persistent endodontic infections using Next-generation sequencing

G. Sánchez-Sanhueza, H. Bello-Toledo, G. González-Rocha, A. T. Gonçalves, V. Valenzuela, C. Gallardo-Escárate

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An analysis of the timing and materials associated with pulp disease following restorative dental treatment

J. B. Yong, S. Sivarajan, P. V. Abbott

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Regenerative endodontics: a comprehensive review

S. G. Kim, M. Malek, A. Sigurdsson, L. M. Lin, B. Kahler

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Substance P and Calcitonin gene-related peptide expression in human periodontal ligament after root canal preparation with Reciproc Blue, WaveOne Gold, XP EndoShaper and hand files

J. Caviedes-Bucheli, N. Rios-Osorio, M. Rey-Rojas, F. Laguna-Rivero, M. M. Azuero-Holguin, L. E. Diaz, H. Curtidor, J. J. Castaneda-Ramirez, H. R. Munoz

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Release of TGF- β 1 into root canals with various final irrigants in regenerative endodontics: an in vitro analysis

Y. Chae, M. Yang, J. Kim

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Evaluation of the effects of the solution used for electrochemical dissolution of nickel–titanium endodontic files on dentine structure, microhardness and cell viability

C. C. F. Amaral, F. Ormiga, L. C. Boldrini, P. G. Miranda, T. A. Mendonça, J. M. Granjeiro, J. A. C. P. Gomes

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Prevotella strains and lactamic resistance gene distribution in different oral environments of children with pulp necrosis

B. R. de Lima, G. F. Nicoloso, C. C. Fatturi-Parolo, M. B. C. Ferreira, F. Montagner, L. Casagrande

Version of Record online: 18 May 2018

External cervical resorption: part 2 – management

S. Patel, F. Foschi, R. Condon, T. Pimentel, B. Bhuva

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Influence of apical enlargement on the repair of apical periodontitis in rats

C. M. Jara, R. C. Hartmann, D. E. Böttcher, T. S. Souza, M. S. Gomes, J. A. P. Figueiredo

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Cytokine expression in response to root repair agents

R. R. Oliveira, W. L. F. Tavares, A. L. Reis, V. A. Silva, L. Q. Vieira, A. P. Ribeiro Sobrinho

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3D-printed model for hands-on training in dental traumatology

M. Reymus, C. Fotiadou, R. Hickel, C. Diegritz

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Longevity of bond strength of resin cements to root dentine after radiation therapy

P. A. Yamin, R. D. Pereira, F. C. Lopes, A. M. Queiroz, H. F. Oliveira, P. C. Saquy, M. D. Sousa-Neto

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External cervical resorption-part 1: histopathology, distribution and presentation

S. Patel, A. M. Mavridou, P. Lambrechts, N. Saberi

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Association of manual or engine-driven glide path preparation with canal centring and apical transportation: a systematic review

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

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Mineral density in carious dentine after treatment with calcium silicates and polyacrylic acid-based cements

P. M. Pires, T. P. Santos, A. Fonseca-Gonçalves, M. M. Pithon, R. T. Lopes, A. A. Neves

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Detection of bone marrow-derived fibrocytes in human dental pulp repair

N. Yoshiba, N. Edanami, A. Tohma, R. Takeuchi, N. Ohkura, A. Hosoya, Y. Noiri, H. Nakamura, K. Yoshiba
Version of Record online: 08 May 2018

Effect of curing conditions on physical and chemical properties of MTA+

T. Zarra, T. Lambrianidis, L. Vasiliadis, C. Gogos

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2,3,5,4'-Tetrahydroxystilbene-2-O- β -glucoside potentiates self-renewal of human dental pulp stem cells via the AMPK/ERK/SIRT1 axis

C.-Y. Lin, Y.-T. Chin, P.-J. Kuo, H.-W. Lee, H.-M. Huang, H.-Y. Lin, I.-T. Weng, C.-N. Hsiung, Y.-H. Chan, S.-Y. Lee

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Defect propagation in NiTi rotary instruments: a noncontact optical profilometry analysis

I. Barbosa, F. Ferreira, P. Scelza, J. Neff, D. Russano, M. Montagnana, M. Zaccaro Scelza

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Melatonin levels in human diabetic dental pulp tissue and its effects on dental pulp cells under hyperglycaemic conditions

A. Milosavljević, Lj. DJukić, B. Toljić, J. Milašin, B. Dželetović, B. Brković, J. Roganović

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Differential diagnosis between a granuloma and radicular cyst: effectiveness of magnetic resonance imaging

G. Lizio, E. Salizzoni, M. Coe, M. R. Gatto, S. Asioli, T. Balbi, G. A. Pelliccioni

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Efficacy of chlorhexidine as a final irrigant in one-visit root canal treatment: a prospective comparative study

S. Miçoğulları Kurt, M. K. Çalışkan

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Microtissue engineering root canal dentine with crosslinked biopolymeric nanoparticles for mechanical stabilization

F.-C. Li, A. Kishen

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Is mepivacaine as effective as lidocaine during inferior alveolar nerve blocks in patients with symptomatic irreversible pulpitis? A systematic review and meta-analysis

W. A. Vieira, L. R. Paranhos, G. O. Cericato, A. Franco, M. A. G. Ribeiro

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New thermomechanically treated NiTi alloys – a review

J. Zupanc, N. Vahdat-Pajouh, E. Schäfer

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iRoot FM exerts an antibacterial effect on Porphyromonas endodontalis and improves the properties of stem cells from the apical papilla

J. Bi, Y. Liu, X. M. Liu, L. M. Jiang, X. Chen
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Astrocyte elevated gene-1 participates in the production of pro-inflammatory cytokines in dental pulp cells via NF- κ B signalling pathway

H. Wu, M. He, R. Yang, Y. Zuo, Z. Bian
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Detection and function of lipopolysaccharide and its purified lipid A after treatment with auxiliary chemical substances and calcium hydroxide dressings used in root canal treatment

A. C. S. Marinho, T. T. To, R. P. Darveau, B. P. F. A. Gomes
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