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Editorial

Clinical challenges and current trends in access cavity design and working length determination: First European Society of Endodontology (ESE) clinical meeting: ACTA, Amsterdam, The Netherlands, 27th October 2018

G. Gambarini, G. Krastl, A. Chaniotis, A. ElAyouti, V. Franco

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Clinical Research

Association between missed canals and apical periodontitis

F. F. N. P. Costa, J. Pacheco-Yanes, J. F. Siqueira Jr, A. C. S. Oliveira, I. Gazzaneo, C. A. Amorim, P. H. B. Santos, F. R. F. Alves

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Prevalence, predictive factors and clinical course of persistent pain associated with teeth displaying periapical healing following nonsurgical root canal treatment: a prospective study

R. Philpott, K. Gulabivala, R. Leeson, Y.-L. Ng

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Basic Research – Biological

Endodontic pathogens possess collagenolytic properties that degrade human dentine collagen matrix

M. Q. Marashdeh, R. Gitalis, C. Lévesque, Y. Finer

Pages: 416-423 | First Published: 23 September 2018

Direct and transdentinal biostimulatory effects of grape seed extract rich in proanthocyanidin on pulp cells

A. F. dos Santos, J. M. Pacheco, P. A. O. Silva, A. K. Bedran-Russo, T. M. B. Rezende, P. N. R. Pereira, A. P. D. Ribeiro

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C. Kruse, R. Spin-Neto, D. C. Evar Kraft, M. Væth, L.-L. Kirkevang

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Open Access

Chemical biofilm removal capacity of endodontic irrigants as a function of biofilm structure: optical coherence tomography, confocal microscopy and viscoelasticity determination as integrated assessment tools

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P. Varela, E. Souza, G. de Deus, F. Duran-Sindreu, M. Mercadé

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X. Huang, F. Liu, J. Hou, K. Chen

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B. Gu, T. Kaneko, S. Y. M. Zaw, P. P. Sone, H. Murano, Y. Sueyama, Z. C. T. Zaw, T. Okiji

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Basic Research – Technical

Efficacy of sonically, ultrasonically and laser-activated irrigation in removing a biofilm-mimicking hydrogel from an isthmus model

R. C. D. Swimberghe, A. De Clercq, R. J. G. De Moor, M. A. Meire

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A. Torres, E. Shaheen, P. Lambrechts, C. Politis, R. Jacobs

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The abilities of three Nickel-Titanium mechanized systems to negotiate and shape MB2 canals in extracted maxillary first molars. A Micro-Computed Tomographic study

Ghassan Yared

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Several factors can affect the root canal transportation of MB2 canals in extracted maxillary first molars

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Stratification as a solution

J. Krithikadatta, N. Velumurugan, D. Archana

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