

CONSORT Randomized Clinical Trial

[Effect of Time Lapse between Endodontic and Periodontal Therapies on the Healing of Concurrent Endodontic-Periodontal Lesions without Communication: A Prospective Randomized Clinical Trial](#)

Shilpi Gupta, Sanjay Tewari, Shikha Tewari, Shweta Mittal

[Effect of Buffered 4% Lidocaine on the Success of the Inferior Alveolar Nerve Block in Patients with Symptomatic Irreversible Pulpitis: A Prospective, Randomized, Double-blind Study](#)

Jared Schellenberg, Melissa Drum, Al Reader, John Nusstein, Sara Fowler, Mike Beck

Review Article

[Role of Angiogenesis in Endodontics: Contributions of Stem Cells and Proangiogenic and Antiangiogenic Factors to Dental Pulp Regeneration](#)

Mohammad Ali Saghiri, Armen Asatourian, Christine M. Sorenson, Nader Sheibani

Clinical Research

[Comparison between Radiographic \(2-dimensional and 3-dimensional\) and Histologic Findings of Periapical Lesions Treated with Apical Surgery](#)

Michael M. Bornstein, Andreas C. Bingisser, Peter A. Reichart, Pedram Sendi, Dieter D. Bosshardt, Thomas von Arx

[Secondary Treatment for Asymptomatic Root Canal Treated Teeth: A Cost-effectiveness Analysis](#)

Falk Schwendicke, Michael Stolpe

[Proinflammatory Activity of Primarily Infected Endodontic Content against Macrophages after Different Phases of the Root Canal Therapy](#)

Ariane C.S. Marinho, Frederico C. Martinho, Fábio R.M. Leite, Gustavo G. Nascimento, Brenda P.F.A. Gomes

[Microbiological Profile Resistant to Different Intracanal Medications in Primary Endodontic Infections](#)

Nadia S. Ferreira, Frederico C. Martinho, Flavia G.R. Cardoso, Gustavo G. Nascimento, Cláudio A.T. Carvalho, Marcia C. Valera

[Short-chain Fatty Acids in Infected Root Canals of Teeth with Apical Periodontitis before and after Treatment](#)

José Claudio Provenzano, Isabela N. Rôças, Luís Fernando D. Tavares, Bianca Cruz Neves, José F. Siqueira

[Influence of Coronal Restoration and Root Canal Filling Quality on Periapical Status: Clinical and Radiographic Evaluation](#)

Marco André Craveiro, Carlos Eduardo Fontana, Alexandre Sigrist de Martin, Carlos Eduardo da Silveira Bueno

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[Differential Proteinase Patterns among *Candida albicans* Strains Isolated from Root Canal and Lingual Dorsum: Possible Roles in Periapical Disease](#)

Tatiana Teixeira Miranda, Cristina R. Vianna, Leonardo Rodrigues, Carlos Augusto Rosa, Ary Corrêa

[Histologic Examination of Teeth with Necrotic Pulp and Periapical Lesions Treated with 2 Scaffolds: An Animal Investigation](#)

Mahmoud Torabinejad, Marites Milan, Shahrokh Shabahang, Kenneth R. Wright, Hadi Faras

[Osseous Characteristics of Mice Lacking Cannabinoid Receptor 2 after Pulp Exposure](#)

Elizabeth P. Nikolaeva, Timothy C. Cox, Natasha M. Flake

[Matrix Metalloproteinase Inhibitor as an Antimicrobial Agent to Eradicate *Enterococcus faecalis* Biofilm](#)

Chiew Xsia Tay, Samantha Yiling Quah, Jeen Nee Lui, Victoria Soo Hoon Yu, Kai Soo Tan

[Repair of Bone Defects Filled with New Calcium Aluminate Cement \(EndoBinder\)](#)

Lucas da Fonseca Roberti Garcia, Claudia Huck, Cassio Rocha Scardueli, Carlos Alberto de Souza Costa

[Extracellular Signal-regulated Kinase Mitogen-activated Protein Kinase and Phosphatidylinositol 3-Kinase/Akt Signaling Are Required for Lipopolysaccharide-mediated Mineralization in Murine Odontoblast-like Cells](#)

Zhihua Wang, Fengle Ma, Juan Wang, Zeyuan Zhou, Baogang Liu, Xinyao He, Lei Fu, Wenxi He, Paul R. Cooper

[Bioinformatics, Interaction Network Analysis, and Neural Networks to Characterize Gene Expression of Radicular Cyst and Periapical Granuloma](#)

Fabiano de Oliveira Poswar, Lucyana Conceição Farias, Carlos Alberto de Carvalho Fraga, Wilson Bambirra, Manoel Brito-Júnior, Manoel Damião Sousa-Neto, Sérgio Henrique Souza Santos, Alfredo Maurício Batista de Paula, Marcos Flávio Silveira Vasconcelos D'Angelo, André Luiz Sena Guimarães

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[Fluid Dynamics and Biofilm Removal Generated by Syringe-delivered and 2 Ultrasonic-assisted Irrigation Methods: A Novel Experimental Approach](#)

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[Micro-computed Tomographic Analysis of Mandibular Second Molars with C-shaped Root Canals](#)

Pablo Andrés Amoroso-Silva, Ronald Ordinola-Zapata, Marco Antonio Hungaro Duarte, James L. Gutmann, Aldo del Carpio-Perochena, Clovis Monteiro Bramante,IVALDO GOMES DE MORAES

[Effects of Sodium Tri- and Hexametaphosphate on Proliferation, Differentiation, and Angiogenic Potential of Human Dental Pulp Cells](#)

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[Effects of Temperature and Hypochlorite Concentration on the Rate of Collagen Dissolution](#)

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[Fracture Strength of Endodontically Treated Maxillary Premolars Supported by a Horizontal Glass Fiber Post: An *In Vitro* Study](#)

Wassim Karzoun, Amid Abdulkarim, Abdulaziz Samran, Matthias Kern

[Cyclic Fatigue Resistance of 3 Different Nickel-Titanium Reciprocating Instruments in Artificial Canals](#)

Oscar Higuera, Gianluca Plotino, Luigi Tocci, Gabriela Carrillo, Gianluca Gambarini, David E. Jaramillo

[Geometric Optimization for Development of Glide Path Preparation Nickel-Titanium Rotary Instrument](#)

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[The Effect of 8.25% Sodium Hypochlorite on Dental Pulp Dissolution and Dentin Flexural Strength and Modulus](#)

James K.T. Cullen, James A. Wealleans, Timothy C. Kirkpatrick, John M. Yaccino

[Effect of Superoxidized Water and Sodium Hypochlorite, Associated or Not with EDTA, on Organic and Inorganic Components of Bovine Root Dentin](#)

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[Evaluation of the Effect of Needle Position on Irrigant Flow in the C-shaped Root Canal Using a Computational Fluid Dynamics Model](#)

Ruyan Wang, Ya Shen, Jingzhi Ma, Dingming Huang, Xuedong Zhou, Yuan Gao, Markus Haapasalo

[ProFile Vortex and Vortex Blue Nickel-Titanium Rotary Instruments after Clinical Use](#)

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[Do Cell Phones Affect Establishing Electronic Working Length?](#)

Justine Hurstel, Maud Guivarc'h, Ludovic Pommel, Jean Camps, Hervé Tassery, Stephen Cohen, Frédéric Bukiet

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[Evaluation of Apically Extruded Bacteria Associated with Different Nickel-Titanium Systems](#)

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[Effect of Different Endodontic Regeneration Protocols on Wettability, Roughness, and Chemical Composition of Surface Dentin](#)

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[Endodontic Treatment of an Anomalous Anterior Tooth with the Aid of a 3-dimensional Printed Physical Tooth Model](#)

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[Revitalization of Open Apex Teeth with Apical Periodontitis Using a Collagen-Hydroxyapatite Scaffold](#)

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[Pulp Revascularization after Repositioning of Impacted Incisor with a Dilacerated Root and a Detached Apex](#)

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