

CONSORT Randomized Clinical Trial

[Aluminum Chloride versus Electrocauterization in Periapical Surgery: A Randomized Controlled Trial](#)

David Peñarrocha-Oltra, Isabel Menéndez-Nieto, Juan Cervera-Ballester, Laura Maestre-Ferrín, Miguel Peñarrocha-Diago, María Peñarrocha-Diago

[Ibuprofen and Acetaminophen Versus Intranasal Ketorolac \(Sprix\) in an Untreated Endodontic Pain Model: A Randomized, Double-blind Investigation](#)

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Clinical Research

[A Retrospective Comparison of Outcome in Patients Who Received Both Nonsurgical Root Canal Treatment and Single-tooth Implants](#)

Seyed Aliakbar Vahdati, Mahmoud Torabinejad, Robert Handsides, Jamie Lozada

[Investigating Potential Correlations between Endodontic Pathology and Cardiovascular Diseases Using Epidemiological and Genetic Approaches](#)

María Messing, Letícia Chaves de Souza, Franco Cavalla, Krishna Kumar Kookal, Gabriella Rizzo, Muhammad Walji, Renato Silva, Ariadne Letra

[Elevated Systemic Inflammatory Burden and Cardiovascular Risk in Young Adults with Endodontic Apical Lesions](#)

Mauricio Garrido, Angélica M. Cárdenas, Jessica Astorga, Francisca Quinlan, Macarena Valdés, Alejandra Chaparro, Paola Carvajal, Pirkko Pussinen, Patricia Huamán-Chipana, Jorge E. Jalil, Marcela Hernández

[Periapical Healing in Single-visit Endodontics under General Anesthesia in Special Needs Patients](#)

Shin Hye Chung, Kyung A. Chun, Hae-Young Kim, Young-Sun Kim, Juhea Chang

[Notch Signaling Pathway in Apical Periodontitis: Correlation with Bone Resorption Regulators and Proinflammatory Cytokines](#)

Nadja Nikolic, Aleksandar Jakovljevic, Jelena Carkic, Katarina Beljic-Ivanovic, Maja Miletic, Ivan Soldatovic, Miroslav Andric, Vladimir Ivanovic, Jelena Milasin

[Interradicular Root Canals in Mandibular First Molars: A Literature Review and Ex Vivo Study](#)

Thomas Gerhard Wolf, Stefan Wentaschek, Richard J. Wierichs, Benjamín Briseño-Marroquín

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[Clinical, Radiographic, and Histologic Outcome of Regenerative Endodontic Treatment in Human Teeth Using a Novel Collagen-hydroxyapatite Scaffold](#)

Ali Nosrat, Alireza Kolaheidouzan, Amir Hossein Khatibi, Prashant Verma, Davoud Jamshidi, Alan J. Nevins, Mahmoud Torabinejad

[Personalized Cell Therapy for Pulpitis Using Autologous Dental Pulp Stem Cells and Leukocyte Platelet-rich Fibrin: A Case Report](#)

Gastón Meza, Denisse Urrejola, Nicole Saint Jean, Carolina Inostroza, Valentina López, Maroun Khoury, Claudia Brizuela

[Cyclic Adenosine Monophosphate Promotes Odonto/Osteogenic Differentiation of Stem Cells from the Apical Papilla via Suppression of Transforming Growth Factor Beta 1 Signaling](#)

Jing Zhang, Cheng Fei Zhang, Quan Li Li, Chun Hung Chu

[Direct and Indirect Effect of Chlorhexidine on Survival of Stem Cells from the Apical Papilla and Its Neutralization](#)

Matthias Widbiller, Riyadh I. Althumairy, Anibal Diogenes

[The Effects of Mitogen-activated Protein Kinase Signaling Pathways on Lipopolysaccharide-mediated Osteo/Odontogenic Differentiation of Stem Cells from the Apical Papilla](#)

Junqing Liu, Jing Du, Xinyu Chen, Lin Yang, Wei Zhao, Mengxiao Song, Zhifeng Wang, Yan Wang

Basic Research

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[Inhibition of Nuclear Factor Kappa B Prevents the Development of Experimental Periapical Lesions](#)

Tomoatsu Kaneko, Su Yee Myo Zaw, Yukiko Sueyama, Ken-ichi Katsube, Reika Kaneko, Jacques E. Nör, Takashi Okiji

[Cross Talk between Apical Periodontitis and Metabolic Disorders: Experimental Evidence on the Role of Intestinal Adipokines and *Akkermansia muciniphila*](#)

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[Endodontic Infection-induced Inflammation Resembling Osteomyelitis of the Jaws in Toll-like Receptor 2/Interleukin 10 Double-knockout Mice](#)

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[Contribution of Root Canal Treatment to the Fracture Resistance of Dentin](#)

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[Performance of Reciproc Blue R25 Instruments in Shaping the Canal Space without Glide Path](#)

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[Mechanical Properties of Various Glide Path Preparation Nickel-titanium Rotary Instruments](#)

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[Effect of Temperature of Sodium Hypochlorite on Cyclic Fatigue Resistance of Heat-treated Reciprocating Files](#)

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[Assessment of Cone-beam Computed Tomographic Artifacts from Different Intra canal Materials on Biorooted Teeth](#)

Elisa Diniz de Lima, Ana Priscila Lira de Farias Freitas, Fernanda Clotilde Mariz Suassuna, Saulo L. Sousa Melo, Patricia Meira Bento, Daniela Pita de Melo

Case Report/Clinical Techniques

[Case Reports in Maxillary Posterior Teeth by Guided Endodontic Access](#)

Lucas Moreira Maia, Vinicius de Carvalho Machado, Nelson Renato França Alves da Silva, Manoel Brito Júnior, Rodrigo Richard da Silveira, Gil Moreira Júnior, Antônio Paulino Ribeiro Sobrinho

[RETRACTED: Outcome of Autotransplantation of Mature Third Molars Using 3-dimensional-printed Guiding Templates and Donor Tooth Replicas](#)