

CONSORT Randomized Clinical Trial

[Outcomes of Vital Pulp Therapy Using Mineral Trioxide Aggregate or Biodentine: A Prospective Randomized Clinical Trial](#)

Lama Awawdeh, Aladdin Al-Qudah, Hanan Hamouri, Rosalie Jean Chakra

[Effect of Low-level Laser Therapy on Postoperative Pain in Molars with Symptomatic Apical Periodontitis: A Randomized Placebo-controlled Clinical Trial](#)

Ezgi Doğanay Yıldız, Hakan Arslan

Review Article

[Prevalence of *Candida* Species in Endodontic Infections: Systematic Review and Meta-analysis](#)

Giovanni Mergoni, Daniela Percudani, Giovanni Lodi, Pio Bertani, Maddalena Manfredi

[Cone-beam Computed Tomography Compared with Intraoral Radiographic Lesions in Endodontic Outcome Studies: A Systematic Review](#)

Anita Aminoshariae, James C. Kulild, Ali Syed

Clinical Research

[Outcome of Endodontic Micro-resurgery: A Retrospective Study Based on Propensity Score-matched Survival Analysis](#)

Dohyun Kim, Sunil Kim, Minju Song, Dae Ryong Kang, Meetu R. Kohli, Euseong Kim

[Worldwide Analyses of Maxillary First Molar Second Mesiobuccal Prevalence: A Multicenter Cone-beam Computed Tomographic Study](#)

Jorge N.R. Martins, Moataz-Bellah A.M. Alkhawas, Zaher Altaki, Gianmarco Bellardini, Luiza Berti, Carlos Boveda, Antonis Chaniotis, Daniel Flynn, Jose Antonio Gonzalez, Jojo Kottoor, Miguel Seruca Marques, Adam Monroe, Hani F. Ounsi, Peter Parashos, Gianluca Plotino, Magnús F. Ragnarsson, Ruben Rosas Aguilar, Fábio Santiago, Hussein C. Seedat, Walter Vargas, Murilo von Zuben, Yuerong Zhang, Yongchun Gu, António Ginjeira

Regenerative Endodontics

[Top-cited Articles in Regenerative Endodontics: A Bibliometric Analysis](#)

Samira Adnan, Rizwan Ullah

[A Comparison of 3 Quantitative Radiographic Measurement Methods for Root Development Measurement in Regenerative Endodontic Procedures](#)

Nithinun Sutarn, Jeeraphat Jantararat, Lalida Ongchavalit, Supachai Sutimuntanakul, Kenneth M. Hargreaves

[Apical Papilla Cells Are Capable of Forming a Pulp-like Tissue with Odontoblast-like Cells without the Use of Exogenous Growth Factors](#)

Cibele Pelissari, Adriana F.C. Paris, Andrea Mantesso, Marília Trierveiler

[Enhanced Capability of Bone Morphogenetic Protein 2-loaded Mesoporous Calcium Silicate Scaffolds to Induce Odontogenic Differentiation of Human Dental Pulp Cells](#)

Kuo-Hao Huang, Yi-Wen Chen, Chen-Ying Wang, Yen-Hong Lin, Yuan-Haw Andrew Wu, Ming-You Shie, Chun-Pin Lin

Basic Research

Biology

[Tricalcium Silicate Capping Materials Modulate Pulp Healing and Inflammatory Activity *In Vitro*](#)

Thomas Giraud, Charlotte Jeanneau, Madison Bergmann, Patrick Laurent, Imad About

[Dental Pulp Response to RetroMTA after Partial Pulpotomy in Permanent Human Teeth](#)

Hengameh Bakhtiar, Pouyan Aminishakib, Mohammad Reza Ellini, Fereshteh Mosavi, Fatemeh Abedi, Samar Esmailian, Ehsan Esnaashari, Mohammad Hossein Nekoofar, Mehdi Sezavar, Vahid Mesgarzadeh, Imad About

Technology

[Debris Removal from the Mesial Root Canal System of Mandibular Molars with Laser-activated Irrigation](#)

Stamatina Passalidou, Filip Calberson, Mieke De Bruyne, Roeland De Moor, Maarten August Meire

[Enhancing Effect of Elastinlike Polypeptide-based Matrix on the Physical Properties of Mineral Trioxide Aggregate](#)

Ji-Hyun Jang, Chung-Ok Lee, Hyun-Jung Kim, Sahng G. Kim, Seung-Wuk Lee, Sun-Young Kim

[Antimicrobial Effect of Peptide DJK-5 Used Alone or Mixed with EDTA on Mono- and Multispecies Biofilms in Dentin Canals](#)

Dan Wang, Ya Shen, Robert E.W. Hancock, Jingzhi Ma, Markus Haapasalo

[Effects of Final Irrigation with SmearOFF on the Surface of Dentin Using Surface Analytical Methods](#)

Myrto Piperidou, Rana N.S. Sodhi, Kamil P. Kolosowski, Bettina R. Basrani

[Comparison between Single-file Rotary Systems: Part 1—Efficiency, Effectiveness, and Adverse Effects in Endodontic Retreatment](#)

Adham A. Azim, Howard H. Wang, Mohamed Tarrosh, Katharina A. Azim, Lucila Piasecki

[Cyclic Fatigue Resistance of One Curve, 2Shape, ProFile Vortex, Vortex Blue, and RaCe Nickel-Titanium Rotary Instruments in Single and Double Curvature Canals](#)

Amr M. Elnaghy, Shaymaa E. Elsaka

[Effect of Different Intraorifice Barriers and Bleaching Agents on the Fracture Resistance of Endodontically Treated Anterior Teeth](#)

Siavash Savadi Oskoei, Mahmoud Bahari, Mehdi Daneshpooy, Amir-Ahmad Ajami, Mahdi Rahbar

[Solubility and pH Value of 3 Different Root Canal Sealers: A Long-term Investigation](#)

Kent Urban, Julian Neuhaus, David Donnermeyer, Edgar Schäfer, Till Dammaschke

[Apical Foramen Position in Relation to Proximal Root Surfaces of Human Permanent Teeth Determined by Using a New Cone-beam Computed Tomographic Software](#)

Carlos Estrela, Gabriela Soares Couto, Mike R. Bueno, Kelvin G. Bueno, Lucas R.A. Estrela, Olavo César Lyra Porto, Anibal Diogenes

Case Report/Clinical Techniques

[Invasive Cervical Resorption: Clinical Management in the Anterior Zone](#)

José Espona, Elena Roig, Fernando Durán-Sindreu, Francesc Abella, Manoel Machado, Miguel Roig