

## CONSORT Randomized Clinical Trial

---

### [Comparison of the Effect of Root Canal Preparation by Using WaveOne and ProTaper on Postoperative Pain: A Randomized Clinical Trial](#)

Mohammad H. Nekoozar, Mohammad S. Sheykhrezae, Naghmeh Meraji, Azad Jamee, Armin Shirvani, Javid Jamee, Paul M.H. Dummer

## Review Article

---

### [Prevalence of \*Treponema\* Species Detected in Endodontic Infections: Systematic Review and Meta-regression Analysis](#)

Fábio R.M. Leite, Gustavo G. Nascimento, Flávio F. Demarco, Brenda P.F.A. Gomes, Cesar R. Pucci, Frederico C. Martinho

### [Acetaminophen: Old Drug, New Issues](#)

Anita Aminoshariae, Asma Khan

## Clinical Research

---

### [Endodontic Infection and Endothelial Dysfunction Are Associated with Different Mechanisms in Men and Women](#)

Elisabetta Cotti, Angela Zedda, Martino Deidda, Alessandra Piras, Giovanna Flore, Francesca Ideo, Clelia Madeddu, Valentina Maria Pau, Giuseppe Mercurio

### [Glycated Hemoglobin Levels and Prevalence of Apical Periodontitis in Type 2 Diabetic Patients](#)

Benito Sánchez-Domínguez, José López-López, Enric Jané-Salas, Lizett Castellanos-Cosano, Eugenio Velasco-Ortega, Juan José Segura-Egea

### [Clinical Outcome of Endodontic Microsurgery That Uses EndoSequence BC Root Repair Material as the Root-end Filling Material](#)

Nicole Shinbori, Ana Maria Grama, Yogesh Patel, Karl Woodmansey, Jianing He

### [Outcome of Orthograde Retreatment after Failed Apicoectomy: Use of a Mineral Trioxide Aggregate Apical Plug](#)

Johannes Mente, Meltem Leo, Annemarie Michel, Holger Gehrig, Daniel Saure, Thorsten Pfefferle

### [Phenotypic Analysis of Immunocompetent Cells in Healthy Human Dental Pulp](#)

Alexis Gaudin, Emmanuelle Renard, Marcello Hill, Laurence Bouchet-Delbos, Géraldine Bienvenu-Louvet, Jean-Christophe Farges, Maria-Cristina Cuturi, Brigitte Alliot-Licht

### [Clinical Outcomes for Teeth Treated with Electrospun Poly\( \$\epsilon\$ -caprolactone\) Fiber Meshes/Mineral Trioxide Aggregate Direct Pulp Capping](#)

Li-Wan Lee, Sheng-Huang Hsiao, Wei-Chiang Hung, Yun-Ho Lin, Po-Yu Chen, Chun-Pin Chiang

### [Incidence of Missed Inferior Alveolar Nerve Blocks in Vital Asymptomatic Subjects and in Patients with Symptomatic Irreversible Pulpitis](#)

Sara Fowler, Al Reader, Mike Beck

## Basic Research

---

### Biology

---

### [Effect of 5-Aza-2'-deoxycytidine on Odontogenic Differentiation of Human Dental Pulp Cells](#)

Deqian Zhang, Qimeng Li, Lijia Rao, Baicheng Yi, Qiong Xu

### [Intermittent Administration of Parathyroid Hormone Ameliorates Periapical Lesions in Mice](#)

Masato Otawa, Ryuichiro Tanoue, Hirofumi Kido, Yoshihiko Sawa, Junro Yamashita

### [Evaluation of a Bioceramic as a Pulp Capping Agent \*In Vitro\* and \*In Vivo\*](#)

Siyi Liu, Sainan Wang, Yanmei Dong

### [\*Enterococcus faecalis\* Attenuates the Differentiation of Macrophages into Osteoclasts](#)

Ok-Jin Park, Jihyun Yang, Jiseon Kim, Cheol-Heui Yun, Seung Hyun Han

### [\*In Vitro\* Analysis of Scaffold-free Prevascularized Microtissue Spheroids Containing Human Dental Pulp Cells and Endothelial Cells](#)

Waruna Lakmal Dissanayaka, Lifang Zhu, Kenneth M. Hargreaves, Lijian Jin, Chengfei Zhang

### [Effect of Raloxifene on Periapical Lesions in Ovariectomized Rats](#)

João Eduardo Gomes-Filho, Marcelo Tadahiro Wayama, Rita Cássia Menegati Dornelles, Edilson Ervolino, Gilberto Aparecido Coclete, Paulo Carvalho Tobias Duarte, Guilherme Hiroshi Yamanri, Carolina Simonetti Lodi, Eloi Dezan-Júnior, Luciano Tavares Angelo Cintra

## Technology

---

### [Accumulated Hard Tissue Debris Produced during Reciprocating and Rotary Nickel-Titanium Canal Preparation](#)

Gustavo De-Deus, Juliana Marins, Emmanuel João Nogueira Leal Silva, Erick Souza, Felipe Gonçalves Belladonna, Claudia Reis, Alessandra Silveira Machado, Ricardo Tadeu Lopes, Marco Aurélio Versiani, Sidnei Paciornik, Aline Almeida Neves

### [Evaluation of the Maintenance of the Apical Limit during Instrumentation with Hybrid Equipment in Rotary and Reciprocating Modes](#)

Bruno Carvalho de Vasconcelos, Luciana Maria Arcanjo Frota, Tamara de Abreu Souza, Ricardo Affonso Bernardes, Marco Antonio Hungaro Duarte

### [Photoactivated Polycationic Bioactive Chitosan Nanoparticles Inactivate Bacterial Endotoxins](#)

Annie Shrestha, Martha Cordova, Anil Kishen

### [Evaluating the Effects of Different Dental Devices on Implantable Cardioverter Defibrillators](#)

Kanwal R. Maheshwari, Kian Nikdel, Girard Guillaume, Ariadne M. Letra, Renato M. Silva, Samuel O. Dorn

### [An Ex Vivo Comparison of Diagnostic Accuracy of Cone-beam Computed Tomography and Periapical Radiography in the Detection of Furcal Perforations](#)

Kıvanç Kamburoğlu, Elif Naz Yeta, Funda Yılmaz

### [The Influence of Brushing Motion on the Cutting Behavior of 3 Reciprocating Files in Oval-shaped Canals](#)

Shereen Alattar, Walid Nehme, Franck Diemer, Alfred Naaman

### [Effects of Ciprofloxacin-containing Scaffolds on \*Enterococcus faecalis\* Biofilms](#)

Maria T.P. Albuquerque, Marcia C. Valera, Camila S. Moreira, Eduardo Bresciani, Renata M. de Melo, Marco C. Bottino

### [Elastic Limits in Torsion of Reciprocating Nickel-Titanium Instruments](#)

Jung-Hong Ha, Seo-Ryeong Kim, Antheunis Versluis, Gary Shun-Pan Cheung, Jin-Woon Kim, Hyeon-Cheol Kim

### [Comparison of Different Irrigation Activation Regimens and Conventional Irrigation Techniques for the Removal of Modified Triple Antibiotic Paste from Root Canals](#)

Melek Akman, Makbule Bilge Akbulut, Hale Arı Aydınbelge, Sema Belli

### [Effect of Repeated Simulated Clinical Use and Sterilization on the Cutting Efficiency and Flexibility of Hyflex CM Nickel-Titanium Rotary Files](#)

Scott T. Seago, Brian E. Bergeron, Timothy C. Kirkpatrick, Mark D. Roberts, Howard W. Roberts, Van T. Himel, Kent A. Sabey

### [Tissue Dissolution Ability of Sodium Hypochlorite Activated by Photon-initiated Photoacoustic Streaming Technique](#)

Mehmet Burak Guneser, Dilara Arslan, Aslihan Usumez

### [Removing Fractured Endodontic Instruments with a Modified Tube Technique Using a Light-curing Composite](#)

Michael Wefelmeier, Maria Eveslage, Sebastian Bürklein, Klaus Ott, Markus Kaup

### [Color Changes of Teeth after Treatment with Various Mineral Trioxide Aggregate-based Materials: An Ex Vivo Study](#)

Shin-Hong Kang, Young-Seob Shin, Hyo-Seol Lee, Seong-Oh Kim, Yooseok Shin, Il-Young Jung, Je Seon Song

## Case Report/Clinical Techniques

---

### [External Cervical Resorption Associated with the Use of Bisphosphonates: A Case Series](#)

Shanon Patel, Navid Saberi

### [Healing of a Cyst-like Lesion Involving an Implant with Nonsurgical Management](#)

Bill Kahler

### [Management of a Massive Resorptive Lesion with Multiple Perforations in a Molar: Case Report](#)

Swati Borkar, Ida de Noronha de Ataíde

### [Horizontal Palatal Root Fracture in a Vital Upper First Premolar](#)

Roger M. Clarkson, Keziah John, Alexander J. Moule