

Review Article

[Methodological and Reporting Quality of Systematic Reviews and Meta-analyses in Endodontics](#)

Venkateshbabu Nagendrababu, Shaju Jacob Pulikkotil, Omer Sherif Sultan, Jayakumar Jayaraman, Ove A. Peters
[Effect of Nonsteroidal Anti-inflammatory Drug as an Oral Premedication on the Anesthetic Success of Inferior Alveolar Nerve Block in Treatment of Irreversible Pulpitis: A Systematic Review with Meta-analysis and Trial Sequential Analysis](#)

Venkateshbabu Nagendrababu, Shaju Jacob Pulikkotil, Sajesh K. Veetil, Nattawat Teerawattanapong, Frank C. Setzer
[Outcome of Endodontic Surgery: A Meta-analysis of the Literature—Part 3: Comparison of Endodontic Microsurgical Techniques with 2 Different Root-end Filling Materials](#)

Meetu R. Kohli, Homayon Berenji, Frank C. Setzer, Su-Min Lee, Bekir Karabucak

Clinical Research

[Full Pulpotomy with Biodentine in Symptomatic Young Permanent Teeth with Carious Exposure](#)

Nessrin A. Taha, Sakhaa Z. Abdulkhader

[Interobserver and Intraobserver Reliability of Cone-beam Computed Tomography in Identification of Apical Periodontitis](#)

Cole W. Barnett, Gerald N. Glickman, Mikhail Umorin, Poorya Jalali

[Clinical Outcome of Non-Surgical Root Canal Treatment Using a Single-cone Technique with Endosequence Bioceramic Sealer: A Retrospective Analysis](#)

Elizabeth A. Chybowski, Gerald N. Glickman, Yogesh Patel, Alex Fleury, Eric Solomon, Jianing He

[A Limited Field Cone-beam Computed Tomography-based Evaluation of the Mental Foramen, Accessory Mental Foramina, Anterior Loop, Lateral Lingual Foramen, and Lateral Lingual Canal](#)

Unni Krishnan, Paul Monsour, Khaleel Thaha, Ratilal Laloo, Alex Moule

Regenerative Endodontics

[Regenerative Endodontic Treatment with Orthodontic Treatment in a Tooth with Dens Evaginatus: A Case Report with a 4-year Follow-up](#)

Marianella Natera, Padma M. Mukherjee

[Cell Homing for Pulp Tissue Engineering with Endogenous Dentin Matrix Proteins](#)

Matthias Widbiller, Ronald B. Driesen, Andreas Eidt, Ivo Lambrechts, Karl-Anton Hiller, Wolfgang Buchalla, Gottfried Schmalz, Kerstin M. Galler

[Mineral Trioxide Aggregate with Mussel-inspired Surface Nanolayers for Stimulating Odontogenic Differentiation of Dental Pulp Cells](#)

Ming-Gen Tu, Chia-Che Ho, Tuan-Ti Hsu, Tsui-Hsien Huang, Min-Jhen Lin, Ming-You Shie

[Biological Analysis of Simvastatin-releasing Chitosan Scaffold as a Cell-free System for Pulp-dentin Regeneration](#)

Diana G. Soares, Giovanna Anovazzi, Ester Alves F. Bordini, Uxua O. Zuta, Maria Luisa A. Silva Leite, Fernanda G. Basso, Josimeri Hebling, Carlos A. de Souza Costa

[A Comparative Evaluation of Concentrated Growth Factor and Platelet-rich Fibrin on the Proliferation, Migration, and Differentiation of Human Stem Cells of the Apical Papilla](#)

Shebin Hong, Weiting Chen, Beizhan Jiang

Basic Research

Biology

[Activation of Mechanosensitive Transient Receptor Potential/Piezo Channels in Odontoblasts Generates Action Potentials in Cocultured Isolecetin B₄-negative Medium-sized Trigeminal Ganglion Neurons](#)

Masaki Sato, Kazuhiro Ogura, Maki Kimura, Koichi Nishi, Masayuki Ando, Masakazu Tazaki, Yoshiyuki Shibukawa

[Human Dental Pulp Cells Express Cellular Markers for Inflammation and Hard Tissue Formation in Response to Bacterial Information](#)

Akina Sugiuchi, Yousuke Sano, Masahiro Furusawa, Shu Abe, Takashi Muramatsu

[The Effect of Lunasin on Receptor Activator of Nuclear Factor Kappa-B Ligand-mediated Osteoclast Formation from RAW 264.7 Cells](#)

Daisy Bachala, Nivine El-Refai, Edward Greenfield, Anita Aminoshariae, Andre Mickel

[Immediate and Delayed Repair of 2 Sizes of Furcal Perforations in Dogs' Teeth Using Mineral Trioxide Aggregate Cement](#)

Reem Siraj Alsulaimani

Technology

[Interfacial Characteristics and Cytocompatibility of Hydraulic Sealer Cements](#)

Mira Kebudi Benezra, Pierre Schembri Wismayer, Josette Camilleri

[Effect of Calcium Hydroxide Dressing on the Dentinal Tubule Penetration of 2 Different Root Canal Sealers: A Confocal Laser Scanning Microscopic Study](#)

Emel Uzunoglu-Özyürek, Özge Erdoğan, Sevinç Aktemur Türker

[The Accuracy of a New Cone-beam Computed Tomographic Software in the Preoperative Working Length Determination Ex Vivo](#)

André Vinícius Kaled Segato, Lucila Piasecki, Marcos Felipe Iparraguirre Nuñovero, Ulisses Xavier da Silva Neto, Vânia Portela Ditzel Westphalen, Gianluca Gambarini, Everdan Carneiro

[Deviations of Mesial Root Canals of Mandibular First Molar Teeth at the Apical Third: A Micro-computed Tomographic Study](#)

Ali Keles, Cangül Keskin

[Effect of Glide Path Creating on Cyclic Fatigue Resistance of Reciproc and Reciproc Blue Nickel-titanium Files: A Laboratory Study](#)

Taha Özyürek, Gülşah Uslu, Koray Yılmaz, Mustafa Gündoğar

[Torsional Fatigue Resistance of Blue-treated Reciprocating Instruments](#)

Emmanuel João Nogueira Leal Silva, Fernanda Hecksher, Henrique dos Santos Antunes, Gustavo De-Deus, Carlos Nelson Elias, Victor Talarico Leal Vieira

Case Report/Clinical Techniques

[Hazards of Improper Dispensary: Literature Review and Report of an Accidental Chloroform Injection](#)

Prashant Verma, Patricia Tordik, Ali Nosrat

[Pathosis or Additional Maxillary Neurovascular Channel? A Case Report](#)

A. Johanna Leven, Banoo Sood