Review Article

Methodological and Reporting Quality of Systematic Reviews and Meta-analyses in Endodontics
Venkateshbabu Nagendrababu, Shaju Jacob Pulikkotil, Omer Sheriff 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. Veettil, Nattawat Teerawattanapong, Frank C. Setzer

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 D. Driesen, Andreas Eidl, Ivo Lambrits, 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-Gene 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
Shebin Hong, Welting Chen, Beizhan Jiang

Basic Research

Biology

Activation of Mechanosensitive Transient Receptor Potential/Piezo Channels in Odontoblasts Generates Action Potentials in Cocultured Isolectin B4-negative Medium-sized Trigeminal Ganglion Neurons
Masaki Sato, Kazuhiro Ogura, Makio 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 Al-Sulaimani

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-Ozyurek, Ozge Erdogan, Sevinç Aktemur Türk

The Accuracy of a New Cone-beam Computed Tomographic Software in the Preoperative Working Length Determination Ex Vivo
André Vinicius Kaled Segato, Lucila Piasecki, Marcos Felipe Iparraguirre Nuñovero, Ulisses Xavier da Silva Neto, Vânia Portela Ditze 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