Editorial

Insights into the June 2020 Issue of the JOE

Review Article

Influence of Negotiation, Glide Path, and Preflaring Procedures on Root Canal Shaping—Terminology, Basic Concepts, and a Systematic Review

Clinical Research

Characteristics of Endodontic Emergencies during Coronavirus Disease 2019 Outbreak in Wuhan
Jingjing Yu, Tian Zhang, Dan Zhao, Markus Haapasalo, Ya Shen

Clinical Investigation of Microbial Profile and Levels of Endotoxins and Lipoteichoic Acid at Different Phases of the Endodontic Treatment in Teeth with Vital Pulp and Associated Periodontal Disease
Lidiiane M. Louzada, Rodrigo Arruda-Vasconcelos, Thais M. Duque, Renato C.V. Casarin, Magda Feres, Brenda P.F.A. Gomes

Evaluation of Pulpal Involvement, Ulceration, Fistula, and Abscess Index and Periapical Index in Screening for Endodontic Disease: Reliability and Accuracy
Lay Ann Teh, Dalia Abdullah, Amy Kia Cheen Liew, Eason Soo

Root Canal Treatment and Apical Periodontitis in a Brazilian Population with Type 1 Diabetes Mellitus: A Cross-sectional Paired Study
Francisco Ivison Rodrigues Limeira, Diandra Costa Arantes, Carla de Souza Oliveira, Daniela Pita de Melo, Cláudia Silami Magalhães, Patrícia Meira Bento

Relationship between Clinical Symptoms and the Microbiota in Advanced Caries
Cuicui Sun, Yanan Xie, Xiaoli Hu, Jieni Fu, Jie Zhou, Ligeng Wu

Association between Endodontically Treated Maxillary and Mandibular Molars with Fused Roots and Periapical Lesions: A Cone-beam Computed Tomography Cross-sectional Study
Beatriz Pereira, Jorge N.R. Martins, Abayomi Omokeji Baruwa, João Meirinhos, José Gouveia, Sérgio A. Quaresma, Adam Monroe, António Ginjeira

The Surgical Management of External Cervical Resorption: A Retrospective Observational Study of Treatment Outcomes and Classifications
Ahmed Jebril, Sanaa Aljamani, Fadi Jarad

Open Access

Intraoral Somatosensory Alterations Impact Pulp Sensibility Testing in Patients with Symptomatic Irreversible Pulpitis
An Ex Vivo Study of Root Canal System Configuration and Morphology of 115 Maxillary First Premolars
Thomas Gerhard Wolf, Christoph Kozaczek, Mark Siegrist, Madlena Betthäuser, Frank Paqué, Benjamín Briseño-Marroquín

3-Dimensional Analysis and Systematic Review of Root Canal Morphology and Physiological Foramen Geometry of 109 Mandibular First Premolars by Micro–computed Tomography in a Mixed Swiss-German Population
Thomas Gerhard Wolf, Paul Kim, Guglielmo Campus, Michael Stiebritz, Mark Siegrist, Benjamín Briseño-Marroquín

Regenerative Endodontics

Angiotensin II Regulates Proliferation and Function of Stem Cells of Apical Papilla
Lais Nicolay Pizzatto, Claudia C.B. Meneses, Elisa A. Diniz, Thiago J. Dionísio, Carlos Ferreira Santos, Carla R. Sipert

Basic Research

Biology

Cytokine Production and Cytotoxicity of Calcium Silicate–based Sealers in 2- and 3-dimensional Cell Culture Models
Alexis Gaudin, Mirek Tolar, Ove Andreas Peters

Technology

Accuracy of Conventional Periapical Radiography in Diagnosing Furcation Repair after Perforation Treatment
Stephanie Díaz Huamán, Maria Gerusa Brito Aragão, Ana Paula Dias Moreno, Alexandra Musolino de Queiroz, Raquel Assed Bezerra da Silva, Francisco Wanderley Garcia de Paula-Silva, Léa Assed Bezerra da Silva

Clinical Factors Associated with Apical Periodontitis Visible on Cone-beam Computed Tomography but Missed with Periapical Radiographs: A Retrospective Clinical Study
Young-Eun Jang, Bom Sahn Kim, Yemi Kim

3-Dimensional Accuracy of Dynamic Navigation Technology in Locating Calcified Canals
Sameer D. Jain, Caroline K. Carrico, Ido Bermanis

Cleaning, Shaping, and Disinfecting Abilities of 2 Instrument Systems as Evaluated by a Correlative Micro–computed Tomographic and Histobacteriologic Approach

Retreatment of Root Canals Filled with BioRoot RCS: An In Vitro Experimental Study
Valentin Marchi, Johanna Scheire, Stéphane Simon

Case Report/Clinical Techniques

Targeted Endodontic Microsurgery: Digital Workflow Options
Jarom J. Ray, C. Michelle Giacomino, James A. Wealleans, Ryan R. Sheridan
The Application of “Bone Window” Technique in Endodontic Microsurgery
Su-Min Lee, Ya-Hsin Yu, Yu Wang, Euiseong Kim, Syngcuk Kim