

## Editorial

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### [Insights into the August 2019 Issue of the \*Journal of Endodontics\*](#)

Amir Azarpazhooh, Anibal R. Diogenes, Ashraf F. Fouad, Gerald N. Glickman, Mo K. Kang, Anil Kishen, Linda Levin, Robert S. Roda, Christine M. Sedgley, Franklin R. Tay, Kenneth M. Hargreaves

## CONSORT Randomized Clinical Trial

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### [The Effect of Cryotherapy Application on the Success Rate of Inferior Alveolar Nerve Block in Patients with Symptomatic Irreversible Pulpitis](#)

Hüseyin Sinan Topçuoğlu, Hakan Arslan, Gamze Topçuoğlu, Sezer Demirbuga

### [Hemostatic Agents in Endodontic Surgery: A Randomized Controlled Pilot Study of Polytetrafluoroethylene Strips as an Adjunct to Epinephrine Impregnated Gauze Versus Aluminum Chloride](#)

David Peñarrocha-Oltra, David Soto-Peñaloza, Miguel Peñarrocha-Diago, Juan Cervera-Ballester, Thomas von Arx Dr. med. dent., María Peñarrocha-Diago

## Clinical Research

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### [Comparison of the Effects of Intraradicular Materials on the Incidence of Fatal Root Fracture in Immature Teeth Treated with Mineral Trioxide Aggregate Apexification: A Retrospective Study](#)

Supatra Danwittayakorn, Danuchit Banomyong, Lalida Ongchavalit, Yaowaluk Ngoenwivatkul, Patcharin Porkaew

### [Comparative Longitudinal Study on the Impact Root Canal Treatment and Other Dental Services Have on Oral Health-related Quality of Life Using Self-reported Health Measures \(Oral Health Impact Profile-14 and Global Health Measures\)](#)

Tallan Chew, David Brennan, Giampiero Rossi-Fedele

### [Micro-computed Tomographic Evaluation of the Prevalence, Distribution, and Morphologic Features of Accessory Canals in Chinese Permanent Teeth](#)

Ting Xu, Wei Fan, Franklin R. Tay, Bing Fan

## Regenerative Endodontics

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### [Effect of Liquid Platelet-rich Fibrin and Platelet-rich Plasma on the Regenerative Potential of Dental Pulp Cells Cultured under Inflammatory Conditions: A Comparative Analysis](#)

Jihua Chai, Runze Jin, Guohua Yuan, Valerie Kanter, Richard J. Miron, Yufeng Zhang

## Basic Research

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## Biology

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[Th1/Th2/Th17/Treg Balance in Apical Periodontitis of Normoglycemic and Diabetic Rats](#)

Renata Oliveira Samuel, Edilson Ervolino, Índia Olinta de Azevedo Queiroz, Mariane Maffei Azuma, Gabriela Tiago Ferreira, Luciano Tavares Angelo Cintra

[BioRoot RCS Extracts Modulate the Early Mechanisms of Periodontal Inflammation and Regeneration](#)

Charlotte Jeanneau, Thomas Giraud, Patrick Laurent, Imad About

## Technology

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[Detection of Simulated Periradicular Lesions in Porcine Bone by Optical Coherence Tomography](#)

Jiangfeng Ding, Weixiang Liu, Alireza Sadr, Yonghong He, Arata Ebihara, Yifan Li

[Quality of Root Filling after Obturation with Gutta-percha and 3 Different Sealers of Minimally Instrumented Root canals of the Maxillary First Molar](#)

Xiaoyi Zhong, Ya Shen, Jingzhi Ma, Wen-Xia Chen, Markus Haapasalo

[Dentinal Tubule Penetration and Retreatability of a Calcium Silicate-based Sealer Tested in Bulk or with Different Main Core Material](#)

Ayhan Eymirli, Derya Deniz Sungur, Ozgur Uyanik, Nuhan Purali, Emre Nagas, Zafer C. Cehreli

[Structural Characteristics and Torsional Resistance Evaluation of WaveOne and WaveOne Gold Instruments after Simulated Clinical Use](#)

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[The Antimicrobial Effect of Bioceramic Sealer on an 8-week Matured \*Enterococcus faecalis\* Biofilm Attached to Root Canal Dentinal Surface](#)

Sarah Bukhari, Bekir Karabucak

[Effects of Alpha-tocopherol Antioxidant on Dentin-composite Microtensile Bond Strength after Sodium Perborate Bleaching](#)

M. Stephen Harrison, Yong Wang, Kenneth J. Frick, Jessica Moniz, Mary P. Walker