

## Editorial

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

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

## CONSORT Randomized Clinical Trial

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### [Outcome of Endodontic Microsurgery Using Mineral Trioxide Aggregate or Root Repair Material as Root-end Filling Material: A Randomized Controlled Trial with Cone-beam Computed Tomographic Evaluation](#)

Chafic Safi, Meetu R. Kohli, Samuel I. Kratchman, Frank C. Setzer, Bekir Karabucak

### [Success of Direct Pulp Capping Using Mineral Trioxide Aggregate and Calcium Hydroxide in Mature Permanent Molars with Pulp Exposed during Carious Tissue Removal: 1-year Follow-up](#)

Komal Suhag, Jigyasa Duhan, Sanjay Tewari, Pankaj Sangwan

## Clinical Research

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### [Success and Survival of Endodontically Treated Cracked Teeth with Radicular Extensions: A 2- to 4-year Prospective Cohort](#)

Matthew C. Davis, Suhaila S. Shariff

### [In Vivo Detection of Subtle Vertical Root Fracture in Endodontically Treated Teeth by Cone-beam Computed Tomography](#)

Lei Zhang, Tiemei Wang, Ya Cao, Congyue Wang, Baochun Tan, Xuna Tang, Renxiang Tan, Zitong Lin

## Regenerative Endodontics

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### [Regenerative Endodontic Procedures in Necrotic Mature Teeth with Periapical Radiolucencies: A Preliminary Randomized Clinical Study](#)

Hakan Arslan, Hany Mohamed Aly Ahmed, Yavuz Şahin, Ezgi Doğanay Yıldız, Eyup Candas Gündoğdu, Yahya Güven, Ruslan Khalilov

### [Prostacyclin Analog Promotes Human Dental Pulp Cell Migration via a Matrix Metalloproteinase 9-related Pathway](#)

Sonntana Seang, Prasit Pavasant, Vincent Everts, Chalida Nakalekha Limjeerajarus

### [Comparative Evaluation of the Cytotoxic and Angiogenic Effects of Minocycline and Clindamycin: An \*In Vitro\* Study](#)

Nileshkumar Dubey, Jinping Xu, Zhaocheng Zhang, Jacques E. Nör, Marco C. Bottino

## Basic Research

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### Biology

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#### [Association between Increased Inducible Costimulator/Inducible Costimulator Ligand Expression with Bone Destruction in Apical Periodontitis](#)

Yi-wei Tao, Quan Xing, Danna Li, Jingjing Quan, Yan Gao, Xiaoli Hu, Xiaolei Zhang

#### [Open Access](#)

#### [C1 Silencing Attenuates Inflammation and Alveolar Bone Resorption in Endodontic Disease](#)

Yuhui Wang, Wei Chen, Liang Hao, Abigail McVicar, Jinjin Wu, Ning Gao, Yuehua Liu, Yi-Ping Li

#### [Identification of a Calcium-sensing Receptor in Human Dental Pulp Cells That Regulates Mineral Trioxide Aggregate-induced Mineralization](#)

Yanhua Chen, Yan Gao, Yifan Tao, Dongjia Lin, Shaofeng An

### Technology

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#### [Deep Learning for the Radiographic Detection of Apical Lesions](#)

Thomas Ekert, Joachim Krois, Leonie Meinhold, Karim Elhennawy, Ramy Emara, Tatiana Golla, Falk Schwendicke

[Efficacy of 3 Supplementary Irrigation Protocols in the Removal of Hard Tissue Debris from the Mesial Root Canal System of Mandibular Molars](#)

Rebecca Chan, Marco A. Versiani, Shimon Friedman, Gevik Malkhassian, Manoel D. Sousa-Neto, Graziela B. Leoni, Yara T.C. Silva-Sousa, Bettina Basrani

[Extrusion of Debris from Curved Root Canals Instrumented up to Different Working Lengths Using Different Reciprocating Systems](#)

João Daniel Mendonça de Moura, Carlos Eduardo da Silveira Bueno, Carlos Eduardo Fontana, Rina Andrea Pelegrine

[Impact of Dentin Substrate Modification with Chitosan-Hydroxyapatite Precursor Nanocomplexes on Sealer Penetration and Tensile Strength](#)

Anam Hashmi, Xu Zhang, Anil Kishen

[Influence of Endodontic Procedure on the Adherence of \*Enterococcus faecalis\*](#)

Jialei Xu, Jinzhi He, Ya Shen, Xuedong Zhou, Dingming Huang, Yuan Gao, Markus Haapasalo

## Case Report/Clinical Techniques

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[Cone-beam Computed Tomography as a Noninvasive Assistance Tool for Oral Cutaneous Sinus Tract Diagnosis: A Case Series](#)

Avi Shemesh, Avi Hadad, Hadas Azizi, Alex Lvovsky, Joe Ben Itzhak, Michael Solomonov