

## CONSORT Randomized Clinical Trial

### [Double-blind Randomized Placebo-controlled Clinical Trial of Efficiency of Nonsteroidal Anti-inflammatory Drugs in the Control of Post-endodontic Pain](#)

Wail M. Elzaki, Neamat H. Abubakr, Hassan M. Ziada, Yahia E. Ibrahim

### [Comparative Evaluation of Mental Incisal Nerve Block, Inferior Alveolar Nerve Block, and Their Combination on the Anesthetic Success Rate in Symptomatic Mandibular Premolars: A Randomized Double-blind Clinical Trial](#)

Vivek Aggarwal, Mamta Singla, Sanjay Miglani, Sarita Kohli

## Review Article

### [Root Canal Treatment versus Single-Tooth Implant: A Systematic Review of Internet Content](#)

Giampiero Rossi-Fedele, Davide Musu, Elisabetta Cotti, Esma J. Doğramacı

### [Critical Assessment of Search Strategies in Systematic Reviews in Endodontics](#)

Ibrahim Ethem Yaylali, Tayfun Alaçam

### [Root and Root Canal Morphology of Maxillary First Premolars: A Literature Review and Clinical Considerations](#)

Ibrahim Ali Ahmad, Mohammad Ahmad Alenezi

### [The Prognosis of Altered Sensation after Extrusion of Root Canal Filling Materials: A Systematic Review of the Literature](#)

Eyal Rosen, Tomer Goldberger, Silvio Taschieri, Massimo Del Fabbro, Stefano Corbella, Igor Tsesis

## Clinical Research

### [Host-Bacterial Interactions in Post-treatment Apical Periodontitis: A Metaproteome Analysis](#)

José Claudio Provenzano, Henrique S. Antunes, Flávio R.F. Alves, Isabela N. Rôças, Wilber S. Alves, Márcia R.S. Silva, José F. Siqueira

### [Late Effects of Head and Neck Radiotherapy on Pulp Vitality Assessed by Pulse Oximetry](#)

Simony Hideo Hamoy Kataoka, Frank C. Setzer, Eudes Gondim-Junior, Eduardo Rodrigues Fregnani, Claudia Joffily P. Moraes, Oscar Faciola Pessoa, Giulio Gavini, Celso Luiz Caldeira

### [Cone-beam Computed Tomography: Anatomic Analysis of Maxillary Posterior Teeth—Impact on Endodontic Microsurgery](#)

Sanaz A. Lavasani, Cynthia Tyler, Samantha H. Roach, Scott B. McClanahan, Mansur Ahmad, Walter R. Bowles

### [Accuracy of Digital Subtraction Radiography in the Detection of Vertical Root Fractures](#)

Polyane Mazucatto Queiroz, Helena Aguiar Ribeiro Nascimento, Thais Diniz Jacome da Paz, Felipe Nogueira Anacleto, Deborah Queiroz Freitas

### [Prevalence of Root Fusions and Main Root Canal Merging in Human Upper and Lower Molars: A Cone-beam Computed Tomography \*In Vivo\* Study](#)

Jorge N.R. Martins, António Mata, Duarte Marques, João Caramês

### [Retention and Healing Outcomes after Intentional Replantation](#)

Sin-Yeon Cho, Yoon Lee, Su-Jung Shin, Euseong Kim, Il-Young Jung, Shimon Friedman, Seung-Jong Lee

### [Association of Radiographically Diagnosed Apical Periodontitis and Cardiovascular Disease: A Hospital Records-based Study](#)

Gregory K. An, Douglas E. Morse, Marc Kunin, Robert S. Goldberger, Walter J. Psoter

### [Cellular Profile and Expression of Immunologic Markers in Chronic Apical Periodontitis from HIV-infected Patients Undergoing Highly Active Antiretroviral Therapy](#)

Túlio Gustavo Veiga Gama, Fabio Ramoa Pires, Luciana Armada, Lucio Souza Gonçalves

### [Efficacy of 4 Irrigation Protocols in Killing Bacteria Colonized in Dentinal Tubules Examined by a Novel Confocal Laser Scanning Microscope Analysis](#)

Adham A. Azim, Hacer Aksel, Tingting Zhuang, Terry Mashtare, Jegdish P. Babu, George T.-J. Huang

### [Validity of Preoperative Clinical Findings to Identify Dental Pulp Status: A National Dental Practice-Based Research Network Study](#)

Maria Pigg, Donald R. Nixdorf, Ruby H.N. Nguyen, Alan S. Law

### [Disinfecting Effects of Rotary Instrumentation with Either 2.5% Sodium Hypochlorite or 2% Chlorhexidine as the Main Irrigant: A Randomized Clinical Study](#)

Isabela N. Rôças, José Claudio Provenzano, Mônica A.S. Neves, José F. Siqueira

### [Implant-associated Vertical Root Fracture in Adjacent Endodontically Treated Teeth: A Case Series and Systematic Review](#)

Eyal Rosen, Ilan Beililium, Aviad Tamse, Silvio Taschieri, Igor Tsesis

# Basic Research

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## Biology

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### [In Vitro and In Vivo Toxicity Evaluation of Colloidal Silver Nanoparticles Used in Endodontic Treatments](#)

Aline Satie Takamiya, Douglas Roberto Monteiro, Daniel Galera Bernabé, Luiz Fernando Gorup, Emerson Rodrigues Camargo, João Eduardo Gomes-Filho, Sandra Helena Penha Oliveira, Debora Barros Barbosa

## Technology

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### [Fatigue Resistance of a 3-dimensional Conforming Nickel-Titanium Rotary Instrument in Double Curvatures](#)

Ya Shen, Ahmed Hieawy, Xiangya Huang, Zhe-jun Wang, Hazuki Maezono, Markus Haapasalo

### [Influence of Surface Roughness on the Fatigue Life of Nickel-Titanium Rotary Endodontic Instruments](#)

Hélio P. Lopes, Carlos N. Elias, Márcia V.B. Vieira, Victor T.L. Vieira, Leticia Chaves de Souza, Alexander Lopes dos Santos

### [In Vitro Comparison of Cyclic Fatigue Resistance of ProTaper Next, HyFlex CM, OneShape, and ProTaper Universal Instruments in a Canal with a Double Curvature](#)

Hüseyin Sinan Topçuoğlu, Gamze Topçuoğlu, Ahmet Akti, Salih Düzgün

### [Detection of Simulated Vertical Root Fractures: Which Cone-beam Computed Tomographic System Is the Most Accurate?](#)

Mohamed Hussein Elsaltani, Mary Medhat Farid, Mostafa Saad Eldin Ashmawy

## Case Report/Clinical Techniques

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### [Multiple Apical Radiolucencies and External Cervical Resorption Associated with Varicella Zoster Virus: A Case Report](#)

Kreena Patel, Elia Schirru, Sadia Niazi, Philip Mitchell, Francesco Mannocci

### [Management of a Previously Treated, Calcified, and Dilacerated Maxillary Lateral Incisor: A Combined Nonsurgical/Surgical Approach Assisted by Cone-beam Computed Tomography](#)

Pooja Gupta Dudeja, Krishan Kumar Dudeja, Arvind Garg, Dhirendra Srivastava, Shibani Grover