

Clinical Research

[Response of Human Dental Pulp Capped with Biodentine and Mineral Trioxide Aggregate](#)

Alicja Nowicka, Mariusz Lipski, Mirosław Parafiniuk, Katarzyna Sporniak-Tutak, Damian Lichota, Anita Kosierkiewicz, Wojciech Kaczmarek, Jadwiga Buczkowska-Radlińska

[Maxillary Sinus and Posterior Teeth: Accessing Close Relationship by Cone-beam Computed Tomographic Scanning in a Brazilian Population](#)

Otávio Pagin, Bruna Stuchi Centurion, Izabel Regina Fischer Rubira-Bullen, Ana Lúcia Alvares Capelozza

[Altered Coronal Tissue of the Human Dental Pulp in Chronic Hepatitis C Virus Infected Patients](#)

Mohammed EL-Awady Grawish, Rita Khounagian, Magdy K. Hamam, Ahmed Ragheb Zaher, Doha Hegazy, Salwa Abd El-Raof El-Negoly, Ghada Hassan, Manal Mohamed Zyada

Basic Research: Biology

[The Critical Apical Diameter to Obtain Regeneration of the Pulp Tissue after Tooth Transplantation, Replantation, or Regenerative Endodontic Treatment](#)

Wim G.M. Laureys, Claude A. Cuvelier, Luc R. Dermaut, Guy A.M. De Pauw

[Ketoprofen Inhibits Expression of Inflammatory Mediators in Human Dental Pulp Cells](#)

Eun-Kyoung Choi, Sun-ho Kim, In-Chol Kang, Ji-Yeon Jeong, Jeong-Tae Koh, Bin-Na Lee, Won-Mann Oh, Kyung-San Min, Jacques E. Nör, Yun-Chan Hwang

[Adenosine Monophosphate-activated Protein Kinase/Mammalian Target of Rapamycin-dependent Autophagy Protects Human Dental Pulp Cells against Hypoxia](#)

Qian Zhou, Huan Liu, Qin Sun, Li Zhang, Heng Lin, Guohua Yuan, Lu Zhang, Zhi Chen

[Bioactivity of Calcium Aluminate Endodontic Cement](#)

Ivone Regina Oliveira, Talita L. Andrade, Marcos Jacobovitz, Victor C. Pandolfelli

[Hypotonic-induced Stretching of Plasma Membrane Activates Transient Receptor Potential Vanilloid Channels and Sodium-Calcium Exchangers in Mouse Odontoblasts](#)

Masaki Sato, Ubaidus Sobhan, Maki Tsumura, Hidetaka Kuroda, Manabu Soya, Aya Masamura, Akihiro Nishiyama, Akira Katakura, Tatsuya Ichinohe, Masakazu Tazaki, Yoshiyuki Shibukawa

[Local Injection of Pulp Cells Enhances Wound Healing during the Initial Proliferative Phase through the Stimulation of Host Angiogenesis](#)

Hyungjoo Yang, Sujung Shin, Jhiweon Ahn, YoonJeong Choi, Kyung-Ho Kim, Chooryung J. Chung

[Stimulation of Matrix Metalloproteinases by Tumor Necrosis Factor- \$\alpha\$ in Human Pulp Cell Cultures](#)

Eun-Mi Rhim, Su-Jin Ahn, Ji-Yoen Kim, Kyung-Hee Kim, Hyeon-Woo Lee, Eun-Cheol Kim, Kun-Young Kim, Sang Hyuk Park

[Effect of Nifedipine on the Differentiation of Human Dental Pulp Cells Cultured with Mineral Trioxide Aggregate](#)

Su-Mi Woo, Yun-Chan Hwang, Hoi-Soon Lim, Nam-Ki Choi, Sun-Hun Kim, Won-Jae Kim, Seon-Mi Kim, Ji-Yeon Jung

[Effect of Statins with \$\alpha\$ -Tricalcium Phosphate on Proliferation, Differentiation, and Mineralization of Human Dental Pulp Cells](#)

Parasuraman R. Varalakshmi, Mahendran Kavitha, Ramajayam Govindan, Srinivasan Narasimhan

[Cytotoxic Effects and Antibacterial Efficacy of a 3-Antibiotic Combination: An *In Vitro* Study](#)

Sorapong Chuensombat, Saengusa Khemaleelakul, Siriporn Chattipakorn, Tanida Srisuwan

Technology

[Evaluation of Root-end Preparation with a New Ultrasonic Tip](#)

Zhengzheng Liu, Deqian Zhang, Qimeng Li, Qiong Xu

[Success of Ultrasonic Technique in Removing Fractured Rotary Nickel-Titanium Endodontic Instruments from Root Canals and Its Effect on the Required Force for Root Fracture](#)

Hasan Shahabinejad, Amirreza Ghassemi, Lida Pishbin, Arash Shahravan

[Effect of Asymmetry on the Behavior of Prototype Rotary Triple Helix Root Canal Instruments](#)

Franck Diemer, Jérôme Michetti, Jean-Philippe Mallet, Robert Piquet

[Long-term Dose- and Time-dependent Effects of Endodontic Sealers in Human *In Vitro* Osteoclastogenesis](#)

Cláudia Rodrigues, João Costa-Rodrigues, José António Capelas, Maria Helena Fernandes

Case Report/Clinical Techniques

[Non-Hodgkin Lymphoma in the Periapical Region of a Mandibular Canine](#)

Elismauro Francisco Mendonça, Thiago Oliveira Sousa, Carlos Estrela