



# Journal of Oral Science

## CONTENTS

### Original

- Dental trauma and mouthguard awareness and use among contact and noncontact athletes in central India**  
Vidhatri Tiwari, Vrinda Saxena, Utkarsh Tiwari, Aishwarya Singh, Manish Jain, and Siddana Goud ..... 239
- Effects of two combinations of triple antibiotic paste used in endodontic regeneration on root microhardness and chemical structure of radicular dentine**  
Blake T. Prather, Ygal Ehrlich, Kenneth Spolnik, Jeffrey A. Platt, and Ghaeth H. Yassen ..... 245
- MicroRNA expression in inflamed and noninflamed gingival tissues from Japanese patients**  
Yorimasa Ogata, Sari Matsui, Ayako Kato, Liming Zhou, Yohei Nakayama, and Hideki Takai ..... 253
- Proinflammatory cytokines induce amelotin transcription in human gingival fibroblasts**  
Yohei Nakayama, Hideki Takai, Sari Matsui, Hiroyoshi Matsumura, Liming Zhou, Ayako Kato, Bernhard Ganss, and Yorimasa Ogata ..... 261
- Comparison of cyclic fatigue and torsional resistance in reciprocating single-file systems and continuous rotary instrumentation systems**  
Matheus F. da Frota, Camila G. Espir, Fábio L. C. V. Berbert, André A. F. Marques, Emilio C. Sponchiado-Junior, Mario Tanomaru-Filho, Lucas F. R. Garcia, and Idomeo Bonetti-Filho ..... 269
- Efficacy of antimicrobial photodynamic therapy for root canals infected with *Enterococcus faecalis***  
Ricardo A. S. Arneiro, Ryan D. Nakano, Lívia A. A. Antunes, Gustavo B. Ferreira, Karla B. F. C. Fontes, and Leonardo S. Antunes ..... 277
- Influence of powder composition and morphology on penetration of gray and white ProRoot mineral trioxide aggregate and calcium hydroxide into dentin tubules**  
Takashi Komabayashi, Leann Long, Chul Ahn, Robert Spears, Qiang Zhu, and Robert C. Eberhart ..... 287
- A comprehensive review of the literature and data analysis on hypo-hyperdontia**  
Sreekanth K. Mallineni, Sivakumar Nuvvula, Alex C. H. Cheung, and Radhika Kunduru ..... 295
- ### Case Report
- Sequential imaging of an impacted mandibular second premolar migrated from angle to condyle**  
Acácio Fuziy, Andre L. F. Costa, Cláudio M. Pastori, Cláudio F. de Freitas, Fernando C. Torres, and Luciana L. V. Pedrão ..... 303
- Conservative treatment and follow-up of type III dens invaginatus using cone beam computed tomography**  
Kadir T. Ceyhanli, Davut Çelik, Subutay H. Altintas, Tamer Taşdemir, and Ömer S. Sezgin ..... 307

<b>Repair of apical root resorption associated with periodontitis using a new intracanal medicament protocol</b>	
Daniel R. Herrera, Carlos M. Herrera, Augusto R. Lima, Juliana Y. Nagata, Andrea C. Pereira, Emmanuel J. Silva, Adriana J. Soares, and Brenda P. Gomes . . . . .	311
<b>The non-surgical management of a patient with Kostmann syndrome-associated periodontitis: a case report</b>	
Stephanie Gonzalez and Alon Frydman . . . . .	315