



CONTENTS

Review

- Role of histone modification on transcriptional regulation and HIV-1 gene expression: possible mechanisms of periodontal diseases in AIDS progression**

Kenichi Imai and Kuniyasu Ochiai 1

Original

- Histopathologic evaluation of subcutaneous tissue response to three endodontic sealers in rats**

Ali R. Farhad, Seyedmohsen Hasheminia, Seyedmohammad Razavi and Mostafa Feizi 15

- Human osteoblast-like cell spreading and proliferation on Ti-6Al-7Nb surfaces of varying roughness**

Thanaphum Osathanon, Kritchai Bespinyowong, Mansuang Arksornnukit, Hidekazu Takahashi and Prasit Pavasant 23

- Effect of ultrasonication with EDTA or MTAD on smear layer, debris and erosion scores**

Bahareh Dadresanfar, Zohreh Khalilak, Abbas Delvarani, Payman Mehrvarzfar, Mehdi Vatanpour and Mahsa Pourassadollah 31

- Assessment of dental maturity of children aged 3.5 to 13.5 years using the Demirjian method in an Iranian population**

Ali Bagherian and Mostafa Sadeghi 37

- In-vitro evaluation of the effect of canal curvature on adaptation of gutta-percha in canals obturated with HEROfill system by CBCT**

Mina Zarei, Ali Talati, Mohammad Mortazavi, Hosein Hoseini Zarch, Maryam Javidi and Hamid Abbaszadeh Bidokhty 43

- Transcriptional regulation of bone sialoprotein gene by CO₂ laser irradiation**

Yoko Sasaki, Shuang Wang and Yorimasa Ogata 51

- The influence of clonidine co-administration on the extent of lidocaine protein binding to rat serum and tissues**

Eleni Tigka, Theodosios Saranteas, Iordanis Mourouzis and Antonia Kotsiou 61

- Podoplanin expression in odontomas: clinicopathological study and immunohistochemical analysis of 86 cases**

Patricia González-Alva, Harumi Inoue, Yuji Miyazaki, Hozumi Tsuchiya, Yoshihiro Noguchi, Kentaro Kikuchi, Fumio Ide, Sachiyō Ishihara, Tadashi Katayama, Hideaki Sakashita and Kaoru Kusama 67

- Calcium hydroxide regulates bone sialoprotein gene transcription in human osteoblast-like Saos2 cells**

Shuang Wang, Yoko Sasaki and Yorimasa Ogata 77

- Interleukin-6 and soluble interleukin-6 receptor suppress osteoclastic differentiation by inducing PGE₂ production in chondrocytes**

Kazuhiro Honda 87

- Correlation of salivary and serum IgG, IgA levels with total protein in oral submucous fibrosis**

Kalpana A. Patidar, Rajkumar N. Parwani and Sangeeta Panjab Wanjari 97

Salivary stress markers and psychological stress in simulated microgravity: 21 days in 6° head-down tilt	103
Balwant Rai and Jasdeep Kaur	
Bonding and wear characteristics of a tri-<i>n</i>-butylborane initiated adhesive resin filled with pre-polymerized composite particles	109
Koji Naito	
Case Report	
Cemento-osseous dysplasia in an elderly Asian male: a case report	
Takashi Komabayashi and Qiang Zhu	117
Craniofacial and dental characteristics of Goldenhar syndrome: a report of two cases	
Elif B. Tuna, Daisuke Orino, Kei Ogawa, Mine Yildirim, Figen Seymen, Koray Gencay and Takahide Maeda	121
Cluster headache following dental treatment: a case report	
Yoshinobu Shoji	125
Kocher Debre Semelaigne syndrome and associated orofacial aspects: report of a case	
Aditya Patney, Keerthilatha M. Pai and Amar A. Sholapurkar	129
Dental patient with acromegaly: a case report	
Roopashri R. Kashyap, Gogineni S. Babu and Shishir R. Shetty	133