



Journal of Oral Science

CONTENTS

Review

Biological plaque control: novel therapeutic approach to periodontal disease

Naoyuki Sugano 1

Original

Butyric acid induces apoptosis in both human monocytes and lymphocytes equivalently

Kazumasa Abe 7

Inhibitory activity of Aloe vera gel on some clinically isolated cariogenic and periodontopathic bacteria

Mohammadmehdi Fani and Jamshid Kohanteb 15

Reduced production of polymeric immunoglobulin receptor in murine dextran sodium sulfate-induced colitis

Hatakazu Takiguchi, Shigeki Endo, Daisuke Omagari, Ken Okabayashi, Toshi Watanabe, Masatake Asano
and Kazuo Komiyama 23

Melan-A/Mart-1- or HMB-45-positive melanocytes are not present in calcifying cystic odontogenic tumors (calcifying odontogenic cysts): a study in 13 Caucasian patients

Konstantinos I. Tosios, Nikolaos Prountzos, Nikolaos Katsoulas, Ioannis G. Koutlas
and Alexandra Sklavounou-Andrikopoulou 33

Effect of surface treatment on bond strength between an indirect composite material and a zirconia framework

Futoshi Komine, Ryosuke Fushiki, Mai Koizuka, Kohei Taguchi, Shingo Kamio and Hideo Matsumura 39

Role of CTGF/CCN2 in reparative dentinogenesis in human dental pulp

Koichiro Muromachi, Naoto Kamio, Takashi Matsumoto and Kiyoshi Matsushima 47

Influence of metal artifacts on *in vivo* micro-CT for orthodontic mini-implants

Ken-ichiro Ejima, Saori Omasa, Mitsuru Motoyoshi, Yoshinori Arai, Yukiko Kai, Toshihiko Amemiya, Hisaya Yamada,
Kazuya Honda and Noriyoshi Shimizu 55

Discovery of putative salivary biomarkers for Sjögren's syndrome using high resolution mass spectrometry and bioinformatics

Driss Zoukhri, Ian Rawe, Mabi Singh, Ashley Brown, Claire L. Kublin, Kevin Dawson, William F. Haddon,
Earl L. White, Kathleen M. Hanley, Daniel Tusé, Wasył Malyj and Athena Papas 61

Activation-induced cytidine deaminase mRNA expression in oral squamous cell carcinoma-derived cell lines is upregulated by inflammatory cytokines

Yuji Miyazaki, Harumi Inoue, Kentaro Kikuchi, Kuniyasu Ochiai and Kaoru Kusama 71

Prevalence of *Porphyromonas gingivalis fimA* genotypes in Japanese children

Fumiko Hayashi, Mitsugi Okada, Yuki Oda, Taro Kojima and Katsuyuki Kozai 77

Prevalence of oral mucosal disorders in institutionalized and non-institutionalized psychiatric patients: a study from AVBR Hospital in central India	
Suwarna Dangore-Khasbage, Praveen H. Khairkar, Shirish S. Degwekar, Rahul R. Bhowate, Arvind S. Bhake, Adarshlata Singh and Vidya K. Lohe	85
Analysis of the molecular structure of human enamel with fluorosis using micro-Raman spectroscopy	
Verónica Zavala-Alonso, Juan P. Loyola-Rodríguez, Humberto Terrones, Nuria Patiño-Marín, Gabriel A. Martínez-Castañón and Kenneth Anusavice	93
Qualitative evaluation of two endodontic obturation techniques: tapered single-cone method <i>versus</i> warm vertical condensation and injection system An <i>in vitro</i> study	
Lieven Robberecht, Thomas Colard and Anne Claisse-Crinquette	99
Immunohistochemical expression of MMP-9 and VEGF in squamous cell carcinoma of the tongue	
Águida Cristina G. Henriques, Felipe R. de Matos, Hébel C. Galvão and Roseana de A. Freitas	105
Use of the Arabic version of Oral Health Impact Profile-14 to evaluate the impact of periodontal disease on oral health-related quality of life among Jordanian adults	
Rola Al Habashneh, Yousef S. Khader and Shatha Salameh	113
Depth of cure and hardness of indirect composite materials polymerized with two metal halide laboratory curing units	
Mariko Nishimaki	121
Case Report	
Treatment of perforating internal root resorption with MTA: a case report	
Eduardo Nunes, Frank F. Silveira, Janir A. Soares, Marco A. H. Duarte and Suelleng M. C. S. Soares	127
Concrescence of permanent maxillary second and third molars: case report of non-surgical root canal treatment	
Denise Foran, Takashi Komabayashi and Louis M. Lin	133