DENTISTRY

1. Effects of Six Different Irrigation Systems on Potential Apical Extrusion of Irrigants
   Alper Akçay, Melahat Gorduysus, Betul Rahman, Mehmet Omer Gorduysus
   Pages 1-5

2. The Profile of Cross-Linked Chitosan and Collagen Derived-Chicken Shank Scaffold as Biomaterials in Tissue Engineering
   Agrippine Putricia Asaeli, Anita Yuliati, Theresia Indah Budhy, Safira Wilda, Imam Silalahi, Demitria Santoso
   Pages 6-11

3. Effect of Denture Cleaning Solutions on Water Sorption, Solubility and Color Stability of Resilient Liners
   Jadesada Palasuk, Dalanporn Kaewkumnerd, Kunlanun Sangchanpakdee, Thanchanok Saengkhiaw, Suchanart Yuthavong, Nawaporn Jittapiromsak
   Pages 12-18

4. Antibacterial Effect of Xanthone from Mangosteen Pericarp Extract (Garcinia mangostana Linn.) against Porphyromonas gingivalis
   Jennifer Widjaja, Dian Agustin Wahjuningrum, Febriastuti Cahyani
   Pages 19-21

5. Comparison of the Shaping Ability of Reciprocating Single-File and Full-Sequence Rotary Instrumentation Systems in Simulated Canals
   Nancy Ayyad, Abdul Rahman Mohammed Saleh
   Pages 22-30

   Aminatun, Muhammad Husni Ibrahim, Jan Ady, Dyah Hikmawati, Moh Yasin
   Pages 31-37

7. Effects of Chondroitin Sulfate (CS) on (HeLa) Cervical Cancer and Breast Cancer (MCF-7) Cell Lines
   Mazma Syahidatul Ayuni Mazlan, Solachuddin Jauhari Arief Ichwan, Norhayati Rosli
   Pages 38-41

8. The Histomorphometric Analysis of Initial Bone Regeneration With Platelet -Rich- Plasma Post Implantation
   Mohammad Dharma Utama, Ervina Sari Surya, Richard Tetelepta, Hasminar, Yuli Susaniawaty, Catarina Anita K, Muchammad Ardiansyah
   Pages 42-48

9. The Effect of Diode Laser Irradiation on Root Canal Dentin
   Dunia Alhadi, Farah M. Jaber, Manaf Taher Agha, Musab Hamed Saeed
   Pages 49-53

10. Topical Epigallocatechin-3-gallate Hydrogels Regulated Inflammation and Pain
    Kun Ismiyatin, Soegeng Wahluwo, Bambang Purwanto, Adioro Soetojo, Retno Pudji Rahayu, Indri Safitri Mukono
    Pages 54-60
# TABLE OF CONTENTS / 2019; 12 (1)

## EXPERIMENTAL ARTICLE

11. Correlation of Basic Fibroblast Growth Factor Expression in Palatal Mucoperiosteal Tissue with Dental Arch Relationships in Operated Unilateral Cleft Lip and Palate Patients  
Dwi Ariawan, Iwan Tofani, Harun Asjiq Gunawan, Muhammad Syafrudin Hak, Ariadna A. Djais, Agoeng Tjahajani, Aya Maeda-lino, Shoko Nakagawa, Takuya Yoshimura, Takao Fuchigami, Norifumi Nakamura  
Pages 61-70

12. Comparison of Root Canal Wall Cleanliness in Retreatment Using Rotary and Reciprocal Movement  
Ayu Wulandari, Munyati Usman, RAH Nilakesuma Djauharie, Andari Putriansi  
Pages 71-76

13. Effect of Reuterin on Dual-species Biofilm in vitro of Streptococcus mutans and Veillonella parvula  
Armelia Sari Widyarman, Citra Fragrantia Theodorea  
Pages 77-83

14. Carboxymethyl Chitosan/Amorphous Calcium Phosphate and Dentin Remineralization  
Teguh Santoso, Nila Kesuma Djauharie, Kamizar, Waviyatul Ahdi, Faurier Dzar Eljabbar Latief, Endang Suprastwi  
Pages 84-87

15. Comparison of the Potential Genotoxicities of Resin-, Silicone-, and Bioceramic-based Root Canal Sealers against Human Lymphocytes  
Irawati Siregar, Riza Permitasari, Kamizar, Anggraini Margono  
Pages 88-94

16. Differences in Enamel Surface Roughness Changes after Debonding Using Resin Infiltration System and Nano-Filled Resin Coating  
Ilham Khalid, Haru Setyo Anggani, Nada Ismah  
Pages 95-100

17. Antifungal Effect of Cuminum cyminum Extract on Candida albicans ATCC 10231 (Experimental Laboratory)  
Anis Dien Hartini, PrimoDanti Jiwanakusuma, Anggraini Margono, Endang Suprastwi  
Pages 101-104

18. Optimum Concentration of Platelet-Rich Fibrin Lysate for Human Dental Pulp Stem Cells Culture Medium  
Sandy Ratna Asri, Hasti Dwi Setiati, Dini Asrianti, Anggraini Margono, Munyati Usman, Indah Yulianto  
Pages 105-110

19. The Effect of Sodium Hypochlorite Irrigation on Dentin’s Collagen and Shear Bond Strength of Composite Resin to Dentin  
Eko Fibryanto, Endang Suprastwi, Ratna Meidyawati, Harun Asjiq Gunawan, Ellyza Herda  
Pages 111-116

20. Experimental Curing Unit: Influence of the Lighting Modes on the Dental Pulp Chamber Temperature  
Decky J. Indrani, Siti Triaminingsih, Ahyahudin Sodri  
Pages 117-122
EXPERIMENTAL ARTICLE
21. Comparison of Sonic and Ultrasonic Activation for Removal of Calcium Hydroxide from Root Canals - A Micro-Ct Study
Novita S. Murwakani, Munyati Usman, RAH Nilakesuma Djauharie, Celine Marissa
Pages 123-128

EXPERIMENTAL ARTICLE
22. Inflammatory Cytokine Serum Levels in Sockets Following Extraction of Teeth with Apical Periodontitis
Meiny F. Amin, Ratna Meidyawati, Melanie S. Djamil, Benny S. Latief
Pages 129-132

EXPERIMENTAL ARTICLE
23. Micro-Computed Tomography Evaluation of Three-Dimensional Analysis of First Mandibular and Second Maxillary Premolars Apical Constrictions
Amaliyatus Silmi, Dini Asrianti, Aditya Wisnu Putranto, Munyati Usman
Pages 133-137

EXPERIMENTAL ARTICLE
24. Effects of Different Irradiance Levels of the Light Curing Unit on The Dental Resin Composite’s Microhardness and Cytotoxicity
Decky J. Indrani, Mia Damiyanti, Arief Udhiarto
Pages 138-142

CLINICAL ARTICLE
25. Prognosis of possible implant loss after immediate placement by the laboratorial blood analysis and evaluation of intraoperatively derived bone samples
Potapchuk Anatoliy, Rusyn Vitaliy, Goncharuk-Khomyn Myroslav, Hegedus Victoria
Pages 143-150

CLINICAL ARTICLE
26. Analysis of Nickel and Chromium Levels in the Gingival Crevicular Fluid and Hair of Patients Treated with Fixed Orthodontic Appliances: A Longitudinal Study
Susilowati Mudijari, Harun Achmad, Eka Erwansyah, Ardo Sabir, Riuwpassa I.E
Pages 151-155

CLINICAL ARTICLE
27. Association between dental caries and age specific body mass index in Hilla city, Babylon province, Iraq
Wissam Hamid Al-Janabi
Pages 156-159

CLINICAL ARTICLE
28. Normal Value of Cortical and Mandibular Trabecular Bone Density using Cone Beam Computed Tomography (CBCT)
Azhari, Fahmi O, Intan Fariska
Pages 160-164

CLINICAL ARTICLE
29. Correlation of Oral Hairy Leukoplakia, HAART and CD4+ in HIV-infected Pediatric Patients at UPIPI Soetomo Hospital Surabaya, Indonesia
Mario Powa Mensana, Alexander Patera Nugraha, Diah Savitri Ernawati, Erwin Asta Triyono, Dominicus Husada, Remita Adya Prasetyo
Pages 165-169

CLINICAL ARTICLE
30. Association Between the Amount of Treponema Lecithinolyticum in Subgingival Dental Plaque and the Severity of Periodontitis
Maximilianus Felix Cipta, Hari Sunarto, Boy Muchlis Bachtliar, Yuniarti Soeroso
Pages 170-174
<table>
<thead>
<tr>
<th>Article Number</th>
<th>Title</th>
<th>Authors</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>31</td>
<td>Periodontal Status Differences between Chronic Periodontitis Patient with and Without Type 2 Diabetes Mellitus</td>
<td>Nadhia Anindita Harsas, Robert Lessang, Yuniarti Soeroso, Gladiola Alifa Putri</td>
<td>175-180</td>
</tr>
<tr>
<td>32</td>
<td>Dental Public Health Warrior Project: Attempt to Increase Awareness of Preschool Children’s Dental Health</td>
<td>Aulia Dwi Maharani, Dwi Hariyanto, Lita Agustia, Ghita Hadi Hollanda</td>
<td>181-184</td>
</tr>
<tr>
<td>33</td>
<td>Comparison of Three Methods of Orthodontic Anchorage: A Prospective Study</td>
<td>Noreen Fitrisha Mat Nor, Saraswathy Devi Sinniah, Maryati Md Dasor</td>
<td>185-191</td>
</tr>
<tr>
<td>34</td>
<td>Relationship between the Number of Teeth, Occlusal Pairs, Oral Lesions, and Body Mass Index: A Study of Institutionalized Independent Elderlies in Jakarta</td>
<td>Istiqamah Yusuf, Febrina Rahmayanti, Masita Mandasari</td>
<td>192-198</td>
</tr>
<tr>
<td>35</td>
<td>The Influence of Smoking on IL-17 Cytokine in Chronic Periodontitis Patients</td>
<td>Eric Sulistio, Sri Lelyati C. Masulili, Robert Lessang, Elza Ibrahim Auerkari</td>
<td>199-202</td>
</tr>
<tr>
<td>36</td>
<td>Bimaxillary Protrusion in Malay Population: Cephalometric Analysis of Skeletal, Dental and Soft Tissue Components</td>
<td>Siti Maisarah Ahmad Razin, Sarah Haniza Abdul Ghani, Noraina Hafizan Norman</td>
<td>203-211</td>
</tr>
<tr>
<td>37</td>
<td>Recurring Peripheral Ameloblastoma at Mandibular Premolar Region: A Case Report</td>
<td>Nazih Shaaban Mustafa, Muhammad Ali H. Kashmoola, Pram Kumar Subramaniam, Omar Abdul Jabbar AbdulQadir, Abdul Rahim Ahmad</td>
<td>212-215</td>
</tr>
<tr>
<td>38</td>
<td>Psychological Stress Induced Xerostomia and Hyposalivation: The Case Study in Indonesian Female Patient</td>
<td>Alexander Patera Nugraha, Diah Savitri Ernawati, Kus Harijanti, Adiastuti Endah Parmadiati</td>
<td>216-219</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>MEDICINE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>39</td>
<td>The Effect of Mahkota Dewa (PhaleriaMacrocarpa L.) Leaf Extract Encapsulated in Chitosan Nanoparticles on iNOS and COX-2 Expression in Dextran Sodium Sulphate-Induced Colitis Mice Model</td>
<td>Ari Estuningtyas, Santi Widiasari, Melva Louisa, Kusmardi</td>
<td>220-227</td>
</tr>
<tr>
<td>40</td>
<td>Progesterone Increases the Progressive Motility of Human Sperm</td>
<td>Dwi Ari Pujianto, Maharani Zaini, Shania Octaviani Salim, Sisca</td>
<td>228-231</td>
</tr>
</tbody>
</table>
### TABLE OF CONTENTS / 2019; 12 (1)

<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Author(s)</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>Effect of Tempeh-Date Biscuits Supplementation for Undernourished Older Adults</td>
<td>Fatmah</td>
<td>232-237</td>
</tr>
<tr>
<td>42</td>
<td>Remission of Schizophrenia in Indonesia: An outpatient-based 12-month follow-up study</td>
<td>Khamelia Malik, Nurmiati Amir, AAAA Kusumawardhani, Mutia Sari, Yolla Disty Arista, Narjas, Rhapsody Nanda</td>
<td>238-241</td>
</tr>
<tr>
<td>43</td>
<td>Promoter hypermethylation in progesterone receptor-A (PGR-A) and PGR-B gene decreased its mRNA expression in ovarian endometriosis</td>
<td>Ririn Rahmala Febri, R Muhamr, Asmarinah</td>
<td>242-246</td>
</tr>
<tr>
<td>44</td>
<td>Expression of Hypoxia-Inducible Factor-1 alpha and 2 alpha in Advanced Breast Cancer after Neoadjuvant Therapy</td>
<td>Septelia Inawati Wanandi, Cahya Candra, Syarifah Dewi, Ramadan Karsono</td>
<td>247-253</td>
</tr>
<tr>
<td>47</td>
<td>Database Development of Carboxymethyl Lysine Content in Foods Consumed by Indonesian Women in Two Selected Provinces</td>
<td>Patricia Budihartanti Liman, Ratna Djuwita, Rina Agustina</td>
<td>268-277</td>
</tr>
<tr>
<td>48</td>
<td>Satisfaction of Elderly Patients Participating in Health Insurance and Seeking Health Services at the Sukmajaya Community Health Center in Depok - Expectations and Realities: Pilot Study</td>
<td>Dinni Agustin, Bambang Shergi Laksmono</td>
<td>278-285</td>
</tr>
<tr>
<td>49</td>
<td>Blood Glucose and Glucagon-Like Peptide 1 Level Comparison in Obese Versus Non-Obese Patients</td>
<td>Fiastuti Wijaksono, Marcellus Simadibrata, Widjaja Lukito, Andi Wijaya, Nagita Gianty Annisa</td>
<td>286-290</td>
</tr>
<tr>
<td>50</td>
<td>Remuneration Satisfaction to Improve Work Motivation of Nurses: A Cross-Sectional, Descriptive Analysis Study</td>
<td>Muthmainnah, Krisna Yetti, Dewi Gayatri, Kuntarti</td>
<td>291-298</td>
</tr>
<tr>
<td>Article Number</td>
<td>Title</td>
<td>Authors</td>
<td>Pages</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------------------------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td>51</td>
<td>Experience of Domestic Violence Survivor Women in Searching Their Life Purpose and Self-Resilience</td>
<td>Laura Khattrine Noviyanti, Achir Yani S. Hamid, Novy H.C. Daulima</td>
<td>299-304</td>
</tr>
<tr>
<td>52</td>
<td>Fear of Recurrence Predictors among Indonesian Gynecological Cancer Survivors</td>
<td>Ira Sukyati, Yati Afiyanti, Hayuni Rahmah, Ariesta Milanti</td>
<td>305-309</td>
</tr>
<tr>
<td>53</td>
<td>Difficulties in Performing Prayers as a Muslim Transgender Individual</td>
<td>Chaterina Janes Pratiwi, Agung Waluyo, Sri Yona, Herni Susanti</td>
<td>310-317</td>
</tr>
<tr>
<td>54</td>
<td>Early Therapeutic Interventions for Low Self-esteem among Adolescents with Early Prodromal Signs of Psychosis</td>
<td>Nurilla Safitri Damanik, Budi Anna Keliat, Herni Susanti</td>
<td>318-322</td>
</tr>
<tr>
<td>56</td>
<td>Quality of Life Measurement of End-Stage-Renal Disease Patients in Indonesia based on responses to the EQ-5D-3L questionnaire</td>
<td>Lusiana Siti Masytoh, Mardiati Nadjib</td>
<td>331-336</td>
</tr>
<tr>
<td>58</td>
<td>Determinants of Intrauterine Device Use in Indonesia: Analysis of the Indonesia Demographic and Health Survey for 2002-2012</td>
<td>Desi Suantari, Besral</td>
<td>344-347</td>
</tr>
<tr>
<td>59</td>
<td>Doxorubicin-based Neoadjuvant Chemotherapy is Associated with Poorer Five-Year Survival in Patients with Locally Advanced Breast Cancer: A Retrospective Single-Center Study In Indonesia</td>
<td>Nuraini Oktaviani, Bambang Sudirina, Sonar Soni Panigoro, Dina Dwi Mulia, Megawati, Erwin Yulian</td>
<td>348-354</td>
</tr>
<tr>
<td>60</td>
<td>Hypertension as a Common Comorbidity in Patients with Diabetes: Occurrence based on Eating Habits and Other Determinants in Jakarta, Indonesia</td>
<td>Ariel Javelin, Ratu Ayu Dewi Sartika</td>
<td>355-361</td>
</tr>
<tr>
<td>61</td>
<td>Quality of Life among Drug Users in Jakarta, Indonesia</td>
<td>Dewi Erita, Besral</td>
<td>362-367</td>
</tr>
</tbody>
</table>
Ni Nengah Yustina Tutuanita, Zakianis
Pages 368-371

63. Cigarette Smoke Exposure and Oxidative Stress in Junior High School Children
Tiaraima Sisinta, Bambang Wispriyono, Haryoto Kusnoputranto
Pages 372-376