

**TABLE OF CONTENTS / 2022; 15 (4)****DENTISTRY**

- EXPERIMENTAL ARTICLE**
1. **Experimental Article Comparative effect of Different Surface Treatments on the Shear Bond Strength between 3D-printed Artificial Acrylic Teeth and 3D-printed Denture Based Resins**  
Kwanwong Boonpitak, Kan Wongkamhaeng, Pornpon Sanpanyawai, Natparan Somsat, Arnan Aunaumporn, Awiruth Klaisiri  
Pages 1416-1421
- EXPERIMENTAL ARTICLE**
2. **Acute Toxicity Test of Sarang Semut (*Myrmecodia Pendens*) Ethanol Extract in Male Wistar Rats (*Rattus Norvegicus*) as Periodontal Pocket Irrigation Therapy**  
Lilies Anggarwati Astuti, Sinar Yani, Verry Asfirizal, Ika Fikriah  
Pages 1422-1428
- EXPERIMENTAL ARTICLE**
3. **Comparative Evaluation of the Antibacterial Effect of Different Combinations of Etidronate, Nanochitosan and NaOCl on *E. Faecalis* Biofilm**  
Elsayed MA, Elbanna A, Rahman MM, Youssef M  
Pages 1429-1433
- EXPERIMENTAL ARTICLE**
4. **Paternity Test Through Kinship Analysis and Cell Free Fetal DNA (Cff-DNA) as a Forensic Identification Technique**  
Ahmad Yudianto, Arofi Kurniawan, Fery Setiawan, Abdul Hadi Furqoni, Beta Novia Rizky  
Pages 1434-1441
- EXPERIMENTAL ARTICLE**
5. **Antibacterial Activity of Nanoclay - Modified Glass Ionomer versus Nanosilver - Modified Glass Ionomer**  
Marwa Mohamed Temirek, Monaliza Maher Abdelaziz, Walaa Alshareef  
Pages 1442-1449
- EXPERIMENTAL ARTICLE**
6. **The Effect of Methanol Extract of *Centella asiatica* leaves at different doses on Dimethylbenz (a) Anthracene (DMBA)-Induced Oral Epithelial Dysplasia in Wistar Rats**  
Ahyar Riza, Denny Satria, Nadya Arthamevia Devi, Oriana Tony Lo  
Pages 1450-1454
- EXPERIMENTAL ARTICLE**
7. **Cone Beam Computed Tomographic Assessment of Root Canal Transportation of Protaper Gold and 2Shape Rotary Systems in Severely Curved Premolars: An in Vitro Study**  
Mitra Sambodhi, Shetty Preethesh, Bhat Raksha, Shahid Mohammad, D'Cunha Kevin, Shetty Nihar  
Pages 1455-1458
- EXPERIMENTAL ARTICLE**
8. **The Hardness Differences between Packable Composite and Bulk Fill Composite**  
Irmaleny, Opik Taofik Hidayat, Dini Khalidja  
Pages 1459-1464
- EXPERIMENTAL ARTICLE**
9. **Surface Discoloration of 3D Printed Resin-Ceramic Hybrid Materials against Various Stain Beverages**  
Nicha Intralawan, Thanakorn Wasanapiarnpong, Pavinee Padipatvuthikul Didron, Thanasak Rakmanee, Awiruth Klaisiri, Nantawan Krajangta  
Pages 1465-1471

TABLE OF CONTENTS / 2022; 15 (4)

## EXPERIMENTAL ARTICLE

- 10. Cytotoxicity Test of Cacao Pod Extract (Theobroma Cacao. L) in Human Periodontal Ligament Fibroblast Cells (HPdLF) as Root Canal Irrigation Material**

Tamara Yuanita, Nawira, Amanda Diah Prameswari H, Ari Subiyanto, Sukaton, Anuj Bhardwaj  
Pages 1472-1478

## EXPERIMENTAL ARTICLE

- 11. Comparative Evaluation of the Effect of Two Chelating Agents on Dentin-root Microhardness: An In-vitro Pilot Study**

Mehmet Gorduysus, Melahat Gorduysus, Lovely Muthiah Annamma, Sabrin Azim Ali, Huda Abutayyem, Ahmad Al Jaghsi  
Pages 1479-1485

## EXPERIMENTAL ARTICLE

- 12. Freeze-Dried Bovine Bone as Xenogenic Scaffold: Does Decellularization Lower Its Antigenic Potential?**

Maria Montessory, David Buntoro Kamadjaja, Ni Putu Mira Sumarta, Andra Rizqiawan, Mohammad Zeshaan Rahman  
Pages 1486-1491

## EXPERIMENTAL ARTICLE

- 13. Antimicrobial Property of Zingiber Officinalis Extract on Streptococcus mutans**

Bunjird Yaping, Suwanna Jitpukdeebodindra, Nattapon Rotpenpian  
Pages 1492-1496

## EXPERIMENTAL ARTICLE

- 14. Correlations of Alkaline Phosphatase Expression with Osteoblast Number during Orthodontic Tooth Movement**

Ryan Raditya Tjandra, Thalca Hamid, Ari Triwardhani, Tamara Nitya Ariani  
Pages 1497-1502

## EXPERIMENTAL ARTICLE

- 15. The Effect of Surface Pre-Treatments and Dental Adhesives on Shear Bond Strength in Polyetheretherketone (PEEK)**

Amornrat Makaanantachote, Chaiyasit Banjongprasert, Pisaisit Chaijareenont, Patcharawan Silthampitag  
Pages 1503-1510

## EXPERIMENTAL ARTICLE

- 16. The Effect of Giving Wungu Leaves Extract (Graptophyllum Pictum L. Griff) on the Decrease in the Number of Osteoclasts in the Post Extraction Socket of Male Wistar Rats**

Atik Kurniawati, Zainul Cholid, Nava Indira Hartanto  
Pages 1511-1515

## EXPERIMENTAL ARTICLE

- 17. Comparison of the Effect of Calcium Hydroxide Combination with Cocoa Pod Husk Extract and Green Tea Extract On C-Fos and Dmp-1 Expression in Exposed Dental Pulp**

Tamara Yuanita, I Dewa Ayu Listiana, Irfan Prasetyo, Priskila Naomi Widodo, Lailatun Tedja, Adioro Soetojo, Anuj Bhardwaj  
Pages 1516-1521

## EXPERIMENTAL ARTICLE

- 18. Effect of Encapsulation Beta Tri Calcium Phosphate ( $\beta$  -TCP) from the Synthesis of Anadara Granosa Shell as Pulp Capping Material against Inflammatory Cytokines IL-10 and TGF-  $\beta$**

Aprilia, Sri Kunarti, Theresia Indah Budhy, Rima Parwati Sari  
Pages 1522-1528

TABLE OF CONTENTS / 2022; 15 (4)

## EXPERIMENTAL ARTICLE

**19. Permeability Analysis of Bovine Bone Scaffold in Bone Tissue Engineering**

Luluk Yulianani, David Buntoro Kamadjaja, Andra Rizqiawan, Mohammad Zeshaan Rahman  
Pages 1529-1534

## EXPERIMENTAL ARTICLE

**20. The Effect of Saltwater Fish Consumption by Mother Mice (*Mus Musculus*) on the Expressions of FABPs and Type 1 Collagen regarding Increase in Enamel Density**

Sandy Christiono, Seno Pradopo, I Ketut Sudiana  
Pages 1535-1540

## EXPERIMENTAL ARTICLE

**21. Effect of Sisal Nanofiber (*Agave Sisalana*) as a Filling Material for Root Canal Sealer on Confluency and Viability of Fibroblast Cells Nih-3t3**

Juni Handajani, Ema Mulyawati, Bintang Charisma Putri Lolobua, Keri Pangesti Yudi Harhari  
Pages 1541-1546

## EXPERIMENTAL ARTICLE

**22. The Deflection Force of Polyetheretherketone as a Clasp Material for Removable Partial Denture**

Fahmi Yunisa, Haryo Mustiko Dipoyono, Titik Ismiyati, Rochmadi  
Pages 1547-1552

## EXPERIMENTAL ARTICLE

**23. The Effectiveness of Mulberry and Red Beetroot as Plaque Coloring on *Streptococcus Mutans* Glycoprotein**

Dewi Sodja Laela, Sri Mulyanti, Gurid PE Mulyo, Prodi Terapi Gigi  
Pages 1553-1559

## EXPERIMENTAL ARTICLE

**24. Utilization of Quick Response Codes Technology in Forensic Odontology Procedures**

Sugeng Winarno, Suhardjo Sitam, Yoni Fuadah Sukriani, Yuli Subiyakto, Amaliya Amaliya  
Pages 1560-1566

## EXPERIMENTAL ARTICLE

**25. The Role of Healing Effect of Lip Balm Application *Cinnamomum burmannii* on lip wound based on Immunohistochemical Interleukin 6 (IL-6) Levels**

Meta Maulida Damayanti, Ermina Widiyastuti, Meike Rachmawati  
Pages 1567-1573

## EXPERIMENTAL ARTICLE

**26. The Potential of  $\alpha$ -mangostin on TNF-  $\alpha$  and OSX Expression Post Inflammation Induction on Osteoblast: An Experimental In Vitro Study**

Amalia Fauqiah Azhari, David Buntoro Kamadjaja, Andra Rizqiawan, Pratiwi Soesilowati, Retno Widyowati, Kei Tobiume  
Pages 1574-1579

## EXPERIMENTAL ARTICLE

**27. Interleukin-17a and Tumor Necrosis Factor Receptor-Associated Factor-6 Expressions on Administration of *Nannochloropsis Oculata* During Orthodontic Relapse**

Arya Brahmanta, Bambang Sucahyo, Noengki Prameswari, Meralda Rossy Syahdinda  
Pages 1580-1586

## EXPERIMENTAL ARTICLE

**28. Impact Strength of Y-TZP Zirconia in Various PVA-PEG Binders Concentration**

Chaterina Diyah Nanik Kusumawardani, Vivin Ariestania, Puguh Bayu Prabowo, Ivan Andrian  
Pages 1587-1590

## CLINICAL ARTICLE

**29. Reasons for Use of Cone Beam Computed Tomography in Pediatric Dentistry**

Mutlu Güneş, Yasemin Derya Fidancıoğlu  
Pages 1591-1596

## CLINICAL ARTICLE

**30. Correlation Between Masticatory Performance and Quality of Life in Patients with Posterior Implant-supported Single Crown**

Ratna Sari Dewi, Lia Kartika Wulansari, Tri Ardi Mahendra, Lindawati Kusdhany, Yayuk Supatmi Rahayu  
Pages 1597-1601

## CLINICAL ARTICLE

**31. Comparison among Parents of Special Needs and Healthy Children on their Motivation and Expectations of Their Child's Proposed Orthodontic Treatment: A Pilot Study**

Cheong Joo Ming, Noraini Abu Bakar  
Pages 1602-1607

## CLINICAL ARTICLE

**32. Relationship Analysis of Sibling Pairs on Madurese Ethnicity in Surabaya, Using 12 STR Loci for The Paternity Test Process**

Ahmad Yudianto, Agung Sosiawan, Nily Sulistyorini, Abdul Hadi Furqoni, Indah Nuraini Masjkur, Fery Setiawan  
Pages 1608-1613

## CLINICAL ARTICLE

**33. Influence of Low-Level Laser Treatment on Tooth Movement in Orthodontic Treatment**

Le Nguyen Lam, Do Thi Thao, Le Vu Phuong Khanh  
Pages 1614-1619

## CLINICAL ARTICLE

**34. Identification of Single Nucleotide Polymorphism Gen MTHFR C677T in Non-Syndromic Cleft Lip and/or Palate**

Agung Sosiawan, Mala Kurniati, Indah Nuraini, Qurrota A'yun, Raden Mas Coen Pramono Danudiningrat, Indra Mulyawan, Regina Purnama Dewi Iskandar, Rozita Hassan  
Pages 1620-1624

## CLINICAL ARTICLE

**35. Occurrence of Oral Hypofunction among Community-Dwelling older Adults**

Niyada Hanchaiyungwa, Narumanas Korwanich, Kanyarat Korwanich  
Pages 1625-1634

## CLINICAL ARTICLE

**36. The impact of oral health and other important factors related to preterm birth: A longitudinal study**

Mimoza Canga, Irene Malagnino, Alketa Qafmolla, Vergjini Mulo, Edit Xhajanka, Rozarka Budina, Vito Antonio Malagnino  
Pages 1635-1639

## CLINICAL ARTICLE

**37. Tooth Loss Observation in Patients with Periodontitis in Recall Period based on the Staging and Grading System of a World Classification 2017**

Benso Sulijaya, Sulthan Farhan Athallah, Hari Sunarto, Natalina, Robert Lessang  
Pages 1640-1646

## CLINICAL ARTICLE

**38. Analysis of Dental Caries Experience and Total Sugar Consumption as per the National Health and Nutrition Examination Survey (NHANES)**

Asma Muzaffar, Raksha Bhat, Bapaniah Penugonda, Maria P. Rodriguez Cardenas, Benjamin Godder, Anisha Chaudhry, Daria Vikina  
Pages 1647-1652

**TABLE OF CONTENTS / 2022; 15 (4)**

- 39. Eating Pattern and Oral Hygiene during Covid-19 in Preschool Children**  
Suci Ilhami Nurul Hidayah, Ratna Indriyanti, Eka Chemiawan  
Pages 1653-1657  
CLINICAL ARTICLE
- 40. A Current View of Teledental Applications Future**  
Merve Abaklı İnci, Merve Koç  
Pages 1658-1664  
CLINICAL ARTICLE
- 41. Treatment of Masticatory Spasticity by Children with a Cerebral Spastic Infantile Paralysis from a Comparative Perspective**  
Yuliya A. Makedonova, Anna N. Osyko, Anastasiya G. Pavlova-Adamovich, Dmitriy V. Verstakov, Alina M. Smolyaninova, Anastasiya A. Vorobeva, Darya A. Belonozhkina, Ekaterina S. Gluhova  
Pages 1665-1671  
CLINICAL ARTICLE
- 42. Oral Health and Well-being of Elderly During and Post COVID-19 Outbreak**  
Warinmad Kedthongma, Wuttiphoug Phakdeekul  
Pages 1672-1677  
CLINICAL ARTICLE
- 43. Health Literacy of the Parents affects the Quality of Life and Caries Experience in Children**  
Yuanita Lely Rachmawati, Dyah Nawang Palupi Pratamawari, Merlya Balbeid, Viranda Sutanti  
Pages 1678-1683  
CLINICAL ARTICLE
- 44. Comparison of anti-inflammatory efficacy of three different therapeutic modalities after mandibular third molar impaction surgery- a cross sectional study**  
Upadhyay Abhinandan, Ramanathan Arvind, Natarajan Srikant  
Pages 1684-1689  
CLINICAL ARTICLE
- 45. Psychological Responses in Academic Life amidst the COVID-19 Outbreak: An Undergraduate Dental Student Perspective in Indonesia**  
Sri Pandu Utami, Rheta Elkhaira, Intan Batura Endo Mahata, Valendriyani Ningrum  
Pages 1690-1697  
CLINICAL ARTICLE
- 46. Oral Health Status and Physical Frailty in Community-dwelling Older Adults**  
Worrapan Uathitirat, Patcharawan Srisilapanan, Narumanas Korwanich  
Pages 1698-1703  
CLINICAL ARTICLE
- 47. A Qualitative Study on the Four Pillars of Emotional Branding in Dental Clinic**  
Ardes Muhammad Naufal Khairi, Arlette Suzy Setiawan, Alvanov Z. Mansoor  
Pages 1704-1709  
CLINICAL ARTICLE
- 48. Surgical Outcomes of Cerebellopontine Angle Meningiomas in Vietnam: A Single-Center Prospective Study**  
Duy Pham, Anh Duc Nguyen, Toan Thanh Thi Do, Hung Dinh Kieu  
Pages 1710-1717  
CLINICAL ARTICLE
- 49. Effectiveness of Rebon Shrimp in Preventing Dental Caries among Elementary School Children in Bagan Serdang Village**  
Gema Nazri Yanti, Ida Yustina, Ameta Primasari, R. Kintoko Rochadi  
Pages 1718-1723  
CLINICAL ARTICLE

## CASE REPORT

- 50. Traumatic Lingual Ulcer in a Child with Precocious Riga-Fede Disease: Case Report and Review of the Literature**

Michele Callea, Pamela Armi, Mehmet Sinan Dogan, Dian Agustin Wahjuningrum, Francisco Cammarata Scalisi, Gaia Rosati, Roberta D'Avenia  
Pages 1724-1726

## CASE REPORT

- 51. Combined Surgery in The Treatment of Gummy Smile Accompanied by Gingival Hyperpigmentation**

Dewina Marsha Larasati, Nahdhiya Amalia Puspita Klana, Agung Krismariono  
Pages 1727-1730

## CASE REPORT

- 52. Oral Ulceration Bone Sequestration Treatment Consideration-Review of Treatment Methods and two Case Presentation**

Aleksy Nowak, Łukasz Słowik, Maciej Okła, Jacek Pawłowski, Marian T. Nowaczyk, Krzysztof Osmola, Marzena Wyganowska-Świątkowska  
Pages 1731-1735

## CASE REPORT

- 53. Aesthetic Management of Maxillary Left and Right Peg-Shaped Lateral Incisors with Direct Composite Resin during Orthodontic Treatment: A Case Report**

Irmaleny, Anindya Novia Putri  
Pages 1736-1739

## CASE REPORT

- 54. Management of Talon Cusp with Bioceram : A Case Report**

Adel Alotaibi, Hussah Alshaikh  
Pages 1740-1742

## REVIEW

- 55. Effectivity of Occlusal Splint for TMD Treatment in Child and Adolescent**

Harun Achmad, Maria Tanumihardja, Sherly Horax, Marhamah F Singgih, Ali Yusran, Rini Sitanaya, Hans Lesmana, Arni Irawaty Djais, Zia Nurul Zahbia  
Pages 1743-1752

## REVIEW

- 56. PEEK Material in Terms of Biomechanics and its use in Single Implant Prosthesis: A Review**

Chatruethai Kanchanasobhana, Suphachai Suphangul, Pimduen Rungsiyakull, Pisaisit Chaijareenont  
Pages 1753-1762

## REVIEW

- 57. Gingival Inflammatory Response in Tobacco Smokers Compared to Vapers: A Scoping Review**

Yulsa Inayahning Adhi, Indra Mustika Setia Pribadi, Amaliya Amaliya  
Pages 1763-1768

## REVIEW

- 58. Effect of Frenotomy on Breastfeeding in Infant with Ankyloglossia: A Rapid Review**

Mustika Praja Kurniawati, Naninda Berliana Pratidina, Eriska Riyanti  
Pages 1769-1779

## REVIEW

- 59. Implementation of Transoral Robotic in Head and Neck Surgery: A Systematic Review**

Aurelle Khadeeja Rizany, Aysha Azzahra Bachmimsyah, Verina Handy Adiningrum, Benso Sulijaya  
Pages 1780-1786

REVIEW

**60. Comparison of Open-Source Software Performance as a Measurement Tool in CBCT: A Literature Review**

Alhidayati Asymal, Menik Priaminiarti, Heru Suryonegoro, Brama Kiswanjaya, Hanna H Bachtiar-Iskandar  
Pages 1787-1797

REVIEW

**61. Use of Subantimicrobial Dose Doxycycline as Adjunct Therapy in Periodontitis Patients: Rapid Review**

Yanti Rusyanti, Budhi Cahya Prasetyo, Regita Nurjinggan Audiani  
Pages 1798-1805

REVIEW

**62. The Benefits of Golden Sea Cucumber (*Stichopus hermanni*) as an Alternative Antimicrobial Material in Oral Health**

Mardiana Adam, Harun Achmad, Maria Tanumihardja, Sitti Raoda Juanita Ramadhan, Afriani, Adhawanty, Nur Masyta  
Pages 1806-1815

REVIEW

**63. Relationship between Periodontitis with Commorbid Disease to The Severity of Covid-19 Infection: A Scoping Review**

Resa Savira Triananda, Dyah Nindita Carolina, Amaliya Amaliya  
Pages 1816-1821

REVIEW

**64. Omega - 3 Fatty Acid as Host Modulation Therapy Agent in Treatment of Chronic Periodontitis : Rapid Review**

Agus Susanto, Ina Hendiani, Amira Aliya Nurhadiati Husein  
Pages 1822-1828

REVIEW

**65. The Efficacy of Platelet-Rich Fibrin on Bone Regeneration after Odontogenic Cyst Enucleation: A Systematic Review**

Rachmady Nofriansyah, Abul Fauzi, Eka Prasetiawaty  
Pages 1829-1837

REVIEW

**66. The Therapeutic Potentials of Intermittent Hypoxia on Bone Healing: A Systematic Review**

Kismanto, Krisnadi Setiawan, Tantry Maulina, Wawan Mulyawan, Andri Rezano, Bambang Pontjo Priosoeryanto, Harmas Yazid Yusuf, Agustina Setyaningsih, Dewi Nirmala Sari  
Pages 1838-1844

REVIEW

**67. Effectiveness Anti-Inflammatory Activity of Mangosteen Rind Extract as an Adjunct Therapy of Chronic Periodontitis**

Ina Hendiani, Indah Isnaeni, Indra Mustika Setia Pribadi, Siti Sopiadin, Aldilla Miranda, Prajna Metta  
Pages 1845-1854

REVIEW

**68. Correlation between Maternal Zinc Deficiency and Nonsyndromic Cleft Lip with or without Cleft Palate: A Rapid Review**

Alanis Sakina Agniya Mahanani, Eriska Riyanti, Arlette Suzy Puspa Pertiwi  
Pages 1855-1863

MEDICINE

## EXPERIMENTAL ARTICLE

- 69. Does 2.4 GHz Radiofrequency Radiation (RFR) Has Potential to Treat SARS-CoV-2? – A Preliminary Observation**  
Omur Mustafa Parkan, Fazile Canturk Tan, Suleyman Dasdag, Selma Gokahmetoglu, Korkut Yegin, Bahar Tasdelen  
Pages 1864-1868

## EXPERIMENTAL ARTICLE

- 70. Histochemical Characterization of Mucins in the Cervix and Uterus of Cows during the Sexual Cycle**  
Nursin AYDIN, M. Aydin KETANI, Ugur TOPALOGLU, Fatma CELENK, Bayram BAYRAM, Timur SAGSOZ  
Pages 1869-1874