

DENTISTRY

## EXPERIMENTAL ARTICLE

1. **Mechanical Properties of Dental Composite Reinforced with Natural Fiber**  
Goh Wan Theng, Yanti Johari, Ismail Ab Rahman, Nor Aidaniza Abdul Muttlib, Mohd Nazrulhuzaimi Md Yusuf, Rabihah Alawi  
Pages 1242-1247
2. **Frequency Distribution of Missing Teeth in Down Syndrome Children at POTADS Foundation**  
Nadiya M. Alwafa, Yetty Herdiyati, Eriska R, Risti SP, Willyanti Soewondo, Inne S. Sasmita  
Pages 1248-1252
3. **MTA1 Expression in Salivary Mucoepidermoid Carcinoma: with Special Emphasis on Grading Systems**  
Omar I. Ahmed, Lehadh M. AL-Azzawi  
Pages 1253-1257
4. **The Potency of Carboxymethyl Chitosan/Amorphous Calcium Phosphate (CMC/ACP) as a Noncollagen Protein Analog to Dentine Remineralization**  
Atria Mya Kelani, Nilakesuma Djauharie, Ratna Meidyawati, Endang Suprastiwi, Rivanti Irmadela Devina  
Pages 1258-1262
5. **Effect of a Glide Path with Rotary Files on Apical Extrusion of Intra-Canal Debris during Root Canal Preparation Using a Reciproc System: an in vitro Study**  
Alaa Shaker, Mohamad Salem Rikab, Moahmmad Alharissy  
Pages 1263-1267
6. **Effect of Collagen-Activated Platelet-Rich Plasma in The Fibroblast Migration of The Periodontal Ligament**  
Kosno Suprianto, Kwartarini Murdiastuti  
Pages 1268-1273
7. **Comparison of Bond Strength between Selected Orthodontic Adhesives versus Anterior Restorative Materials**  
Mohd Haikal Muhamad Halil, Iswan Zuraidi Zainol, Khairul Bariah Chi Adam, Wan Nur Farhana Wan Rosman, Siti Zulaikha Ahmad  
Pages 1274-1279
8. **Carbonate Hydroxyapatite-Hyaluronic Acid as Bone Healing Accelerator: in-vitro and in-vivo Studies on the Alveolar Bone of Wistar Rats**  
Ernie Maduratna Setiawatie, Prihartini Widiyanti, Muhammad Ryan, Muhammad Rubianto  
Pages 1280-1286
9. **Effects of Docosahexaenoic Acid (DHA) Microalgae(R) on Orthodontic Tooth Movement in the New Zealand White Rabbit**  
Dyah Karunia, Pinandi Sripudyani, Sofia Mubarika, Sitarina Widyarini  
Pages 1287-1292

TABLE OF CONTENTS / 2019; 12 (4)

- EXPERIMENTAL ARTICLE
- 10. Anti-cancer and Anti-proliferation Activity of Ethyl Asetat Extract from Ant Nest (*Myrmecodia pendans*) in Burkitt's Lymphoma Cancer Cells**  
Harun Achmad, Sumintarti, Hendrastuti Handayani, Melyanti Sari  
Pages 1293-1297
- EXPERIMENTAL ARTICLE
- 11. Tooth Coating Gel with Casein Phosphopeptide–Amorphous Calcium Phosphate and Propolis to Prevent Dental Caries**  
Sri Angky Soekanto, Nadiya Nur Husniah, Lucia Purwanti, Nindya Sulistyani, Heri Hermansyah, Anondho Wijanarko, Muhamad Sahlan  
Pages 1298-1304
- EXPERIMENTAL ARTICLE
- 12. Absorbance thickness in the formation of biofilm produced by *Candida albicans* due to glucose, lactose, protein (soy) and iron induction**  
Indah Listiana Kriswandini, Aqsa Sjuhada Oki, Hendrik Setia Budi  
Pages 1305-1309
- EXPERIMENTAL ARTICLE
- 13. Application of Active Charcoal as An Ingredient of A Natural Bleaching Teeth**  
Mirna Febriani, Ferry Jaya, Harwidatih Ayuning Tyas, Inne S. Sasmita  
Pages 1310-1321
- EXPERIMENTAL ARTICLE
- 14. Effect of a Light-Curing Unit on the PGE2 Concentration from the Pulp Fiber in an Animal Model**  
Decky J. Indrani, Ratna S. Dewi, Rachmitasari Noviana, Permanawati Permanawati, Bernard Kurniawan  
Pages 1322-1327
- EXPERIMENTAL ARTICLE
- 15. Effect of Diabetes during Pregnancy to Fetal Tooth Germ Growth and Development**  
Muhammad Nadhir Alkaff, Mei Syafriadi  
Pages 1328-1334
- EXPERIMENTAL ARTICLE
- 16. The Effect of Papain Towards mRNA Expression OF *gtfB*, *gtfC*, *gtfD*, *gpbB* and *Streptococcus Mutans* Biofilm Mass Formation**  
Meirina Gartika, Mieke Hemiawati Satari, Alex Chairulfattah, Dany Hilmanto  
Pages 1335-1342
- EXPERIMENTAL ARTICLE
- 17. Propolis Microgel as Protective Agent for Odontoblast Cell in External Bleaching**  
Nurhayaty Natsir, Juni Jekti Nugroho, Maria Tanumiharja, Sri Ekasari, Fuad Husain Akbar  
Pages 1343-1347
- EXPERIMENTAL ARTICLE
- 18. Comparison on Shear Bond Strength between Precoated and Non-Precoated Adhesive Technique (an in vitro Study)**  
Luh De Puspita Dewi, Jusuf Sjamsudin, I Gusti Aju Wahyu Ardani  
Pages 1348-1354
- EXPERIMENTAL ARTICLE
- 19. Fabrication of Chitosan-Chondroitin Sulfate/Hydroxyapatite Composite Scaffold by Freeze Drying Method**  
Aminatun, Yunita Indriani, Dyah Hikmawati  
Pages 1355-1362

- EXPERIMENTAL ARTICLE
- 20. Antioxidant Effect of Red Dragon Fruit Peel (*Hylocereus polyrhizus*) Extract in Chronic Periodontitis Rats**  
Hendrik Setia Budi, Wisnu Setyari Juliastuti, Ni Putu Clara Pitaloka  
Pages 1363-1367
- EXPERIMENTAL ARTICLE
- 21. Enhancement of IL23-Independent IL17 Level on Intraperitoneal Injection of *Candida albicans* Cell Wall in Wistar Male Rat**  
Erna Sulistyani, Yoes Prijatna Dachlan, Suhartono Taat Putra  
Pages 1368-1371
- EXPERIMENTAL ARTICLE
- 22. Physical and Bacteriological Properties Fluoridated Bottled Drinking Water**  
Diyah Fatmasari, Tri Wiyatini, Marichatul Jannah, Marsum Marsum, Karunia F Macdonalds  
Pages 1372-1375
- EXPERIMENTAL ARTICLE
- 23. The Fabrication and Characterization of Chitosan-Ethanol Extracted Aloe vera Scaffold for Alveolar Bone Healing Application**  
Sularsih, Soetjipto, Retno Pudji Rahayu  
Pages 1376-1381
- EXPERIMENTAL ARTICLE
- 24. Vegf Regulates Osteoblast Differentiation in Tension and Pressure Regions Orthodontic Tooth Movement Administered with Hyperbaric Oxygen Therapy**  
Arya Brahmanta, Noengki Prameswari  
Pages 1382-1388
- CLINICAL ARTICLE
- 25. The Role of Biomarkers and Intra-Abdominal Pressure in Diagnosing and Predicting Mortality of Intra-Abdominal Infections**  
Dafina Mahmutaj, Bedri Braha, Shaip Krasniqi, Valbona Zhjeqi, Agon Rrusta  
Pages 1389-1396
- CLINICAL ARTICLE
- 26. Application of Apatite Carbonate Membrane Effect to Bleeding on Probing after Scaling and Root Planing**  
Ira Komara, Nunung Rusminah, Ina Hendiani, Siti Sopiadin, Nuryanni Dihin Utami  
Pages 1397-1401
- CLINICAL ARTICLE
- 27. A Modified Method to Assess the Sagittal Jaw Relationship**  
Yasir R. Al-Labban, Zainab M. Kadhom, Mohammed Nahidh  
Pages 1402-1408
- CLINICAL ARTICLE
- 28. Nutritional Status of Hospitalized Nonsurgery Patients at a Nationwide Referral Hospital in Indonesia**  
Ina Farhaniah, Adiningsih Srilestari, Kemas Abdurrohman, Abdul Latif  
Pages 1409-1415
- CLINICAL ARTICLE
- 29. The Prevalence of Peg Shaped and Missing Permanent Maxillary Lateral Incisors In Non-Syndromic Orthodontic Patients**  
Jameel Kifayatullah, Saqib Ali, Fazal Shahid, Imran Farooq, Shifat A Nowrin, Mohammed Asif Ali Ansari, Mohammad Khursheed Alam  
Pages 1416-1420

- CLINICAL ARTICLE**
- 30. The Relationship Between Skeletal and Dental Characteristics in Patients with Class II Malocclusion**  
I Gusti Aju Wahyu Ardani, Diamanta Anandamaya, Alida  
Pages 1421-1425
- CLINICAL ARTICLE**
- 31. Efficacy of Acellular Dermal Matrix Versus Free Gingival Graft for Increasing the Width of Attached Gingiva: A Clinical Trial**  
Nima Naddafpour, Asieh Mozaffari, Baharak Ghaedi, Kimia Najafi, Arash Ghaffari  
Pages 1426-1432
- CLINICAL ARTICLE**
- 32. Types of Palatal Rugae for Sex Determination in the Indonesian Subpopulation**  
Rossy Sylvia Basman, Risco Taufik Achmad, Dian Retno Utari, Tigor Rona Airlangga Harya Bima, Elza Ibrahim Auerkari  
Pages 1433-1435
- CLINICAL ARTICLE**
- 33. Evaluation of Topical Application of SIDR Honey in the Management of Radiotherapy Induced Oral Mucositis**  
Hesham Shokry Ismail, Ahmed Shawkat Hashem, Tamer Elsayed Eysa Elsayed, Mohammad Khursheed Alam  
Pages 1436-1446
- CLINICAL ARTICLE**
- 34. Determination of Oral Hygiene Status (OHI-S) and Dental Health Status (def-t) of Elementary School Age Children in Bandung City**  
Emma Rachmawati, Ame Suciati Setiawan, Ayu Trisna Hayati, Risti Primarti Saptarini, Dyah Nindita Carolina, Nunung Rusminah  
Pages 1447-1451
- CLINICAL ARTICLE**
- 35. Internet Addiction among Dental Students in Malaysia**  
Ali S Radeef, Ghasak G Faisal  
Pages 1452-1456
- CLINICAL ARTICLE**
- 36. Factors Related to Dental Caries in Children (3–5 Years) at Grogol Utara, South Jakarta**  
Iwany Amalliah Badruddin, Febriana Setiawati, Rizqi Assyifa Fauzia, Rezky Fauziah Permatasari, Preticia Lee  
Pages 1457-1462
- CLINICAL ARTICLE**
- 37. The Prevalence of Mesioangular Impacted Lower Third Molar Among Patients Attending the Polyclinic, Faculty of Dentistry, IIUM**  
Nazih Shaaban Mustafa, Muhannad Ali Kashmoola, Omar Abduljabbar Abdulqader, Fatin Bazlina bt Kamarulzaman Hassan, Nur Diyana bt Ramli  
Pages 1463-1467
- CLINICAL ARTICLE**
- 38. Caries Experience in People with Down Syndrome Aged 14 Years and Older in SLB C Jakarta**  
Claudia Isabella, Margaretha Suharsini, Mochamad Fahlevi Rizal  
Pages 1468-1473
- CLINICAL ARTICLE**
- 39. Detection of Bacteria in the Dental Plaque in Children with Down Syndrome**  
Vlorë Hysenaj Cakolli, Sefedin Muçaj, Alberto Benedetti, Valë Hysenaj Hoxha  
Pages 1474-1480

- CLINICAL ARTICLE
- 40. Patient Satisfaction Level toward Conservative Dentistry Treatment in a Dental Hospital in Jakarta Indonesia**  
Naryndra Nastiti, Endang Suprastiwi, Ike Dwi Maharti  
Pages 1481-1486
- CLINICAL ARTICLE
- 41. Oral Health and Nutritional Status in Relation to Intelligence Quotient (IQ) of Children in Baghdad**  
Zainab Juma Jafar  
Pages 1487-1491
- CLINICAL ARTICLE
- 42. Patient Satisfaction with Types of Complete Denture: A Study Using Validated Indonesian Version of Patient's Denture Assessment (PDA-ID) – A Pilot Study**  
Asri Diah Sastrawijaya, Lindawati Soetanto Kusdhany, Farisza Gita  
Pages 1492-1498
- CLINICAL ARTICLE
- 43. Orthodontic Treatment Stability Assessment of Maxillary Arch Using Passive Self-Ligating and Conventional Brackets System in Adults Via Digital Calliper and Digital Dental Models: A Randomized Controlled Trial**  
Norma Ab Rahman, Fazal Shahid, Basaruddin Ahmad, Mang Chek Wey, Siti Adibah Othman  
Pages 1499-1506
- CLINICAL ARTICLE
- 44. Comparison of the Educational Effect of Two and Three Dimensional Books on Dental Anxiety in Children With Hearing Impairment (Aged 7–9 Years)**  
Eva Fauziah, Selvyra Rachmawati, Aprillia Puspita Rachmadani, Cahyanti Wydiastuti Susilo  
Pages 1507-1510
- CLINICAL ARTICLE
- 45. The Consistency of Case Selection in an Integrated Student Clinic of a Malaysian Dental School**  
Fouad Hussain-AL Bayaty, Nik Zarina Nik Mahmood, Izyan Hazwani Baharuddin, Aminda Faizura Omar  
Pages 1511-1515
- CLINICAL ARTICLE
- 46. Oral Sexual Behavior and Oral Hygiene Effects on the Syphilis Incidence in MSM Population**  
Rani Handayani, Gus Permana Subita, Masita Mandasari, Febrina Rahmayanti, Anandina Irmagita Soegyanto  
Pages 1516-1521
- CLINICAL ARTICLE
- 47. Identification of the Predominant Oral Microbiome in Pericoronitis**  
Ainaa Liyana Azemi, Siti Noor Adnalizawati Adnan, Rohazila Mohamad Hanafiah, John Chong Keat Hon, Ahmad Dzulfikar Samsudin, Azmiza Syawani Jasni  
Pages 1522-1526
- CLINICAL ARTICLE
- 48. Smoking Habits of Outpatients at the Dental Hospital Faculty of Dentistry Universitas Indonesia**  
Gus Permana Subita, Salsabila Raihana Radian, Febrina Rahmayanti  
Pages 1527-1532
- CLINICAL ARTICLE
- 49. A Randomized Controlled Trial on the Efficacy of Two Types of Manual Toothbrushes in Patients with Fixed Appliances**  
Zurairah Ibrahim, Syiral Mastura Abdullah, Azrul Hafiz Abdul Aziz, Ainuddin Yushar Yusof, Diana Md Zahid, Rohaya Megat Abdul Wahab  
Pages 1533-1539

- CLINICAL ARTICLE
- 50. Comparison of the Masticatory Performance in Mixing and Comminuting Food in Complete Denture Wearers**  
Titus Dermawan, Gabriella Nasser, Farisza Gita, Nina Ariani, Pinta Marito, Takahiro Ono, Lindawati S. Kusdhany  
Pages 1540-1547
- CLINICAL ARTICLE
- 51. The effects of Audio-Visual Distraction Techniques on dental treatment anxiety during local anaesthetic procedures in children**  
Shubham Shekhar  
Pages 1548-1554
- CLINICAL ARTICLE
- 52. Evaluating Masticatory Performance of Removable Partial Denture Wearers Using Color-Changeable Chewing Gum and Gummy Jelly**  
Gabriella Nasser, Titus Dermawan, Pinta Marito, Nina Ariani, Takahiro Ono, Lindawati Kusdhany, Farisza Gita  
Pages 1555-1562
- CLINICAL ARTICLE
- 53. Role of Body Composition on the Eruption Time of First Permanent Molars**  
Dwi Prijatmoko, Fakhirotus Zakiyah  
Pages 1563-1567
- CLINICAL ARTICLE
- 54. Oral Lesions in Patients with Tuberculosis: A Cross-Sectional Study**  
Reiska Kumala Bakti, Priyo Hadi, Bagus Soebadi, Diah Savitri Ernawati, Ni Made Mertaniasih  
Pages 1568-1572
- CLINICAL ARTICLE
- 55. Salivary Human Beta Defensin-1 Level and Oral Health Status of Tobacco Smokers**  
Febrina Rahmayanti, Yuniardini S. Wimardhani, Rahmatullah Irfani  
Pages 1573-1576
- CLINICAL ARTICLE
- 56. Oral Health and Subjective Complaint of Oral Dryness of Methadone User at Jakarta Drug Dependence Hospital - Indonesia**  
Mohammad Reza, Gus Permana Subita, Siti Aliyah Pradono  
Pages 1577-1584
- CLINICAL ARTICLE
- 57. Pattern of the Medical Conditions of Patients in the Dental Hospital of Faculty of Dentistry, Universitas Indonesia**  
Pramita Putri Pertiwi, Indriasti Indah Wardhany, Anandina Irmagita Soegyanto, Yuniardini Septorini Wimardhani  
Pages 1585-1590
- CLINICAL ARTICLE
- 58. Trans Cultural Adaptation and Validation Indonesia Version of Early Childhood Oral Health Impact Scale (I-ECOHIS)**  
Poppy Andriany, Sondang Pintaui, Rahayu Lubis, Anton Rahardjo  
Pages 1591-1596
- CASE REPORT
- 59. Granulomatosis with polyangiitis associated with alveolar bone loss – Case presentation**  
Zana SIlamniku-Dalipi, Fatmir Dragidella, Shefqet Mrasori, Metush Disha, Kastriot Meqa, Visar Bunjaku  
Pages 1597-1600

## CASE REPORT

**60. Frenectomy using Two Clamps Technique: A Case Report**

Arni Irawaty Djais, Fuad Husain Akbar, Mardiana Adam, Sri Oktawati, Hasanuddin Tahir, Asdar Gani, Supiaty, Muliati Yunus, Dwi Putri Wulansari, Nur Indah Sari  
Pages 1601-1605

## CASE REPORT

**61. Applications of PEEK in Implant Retained Finger Prosthesis**

Pokpong Amornvit, Dinesh Rokaya, Sasiwimol Sanohkan  
Pages 1606-1609

## CASE REPORT

**62. Management of Varicella Zoster and Ulcer Manifestation in the Oral Cavity of a 5-years-old Patient**

Sri Hernawati, Sulistiyani  
Pages 1610-1612

## REVIEW

**63. Cone Beamed Computerized Dental Tomography in Dentistry**

Ebru Akleyin, Myroslav Goncharuk-Khomyn  
Pages 1613-1617

## REVIEW

**64. Polymerization of Resin-Based Composites Restoration: A Literature Review**

Maria Tanumihardja, Shinta Andries, Rehatta Yongki  
Pages 1618-1625

## REVIEW

**65. Clinical Applications and Outcomes of non-resorbable Polytetrafluoroethylene (PTFE) Membranes in Guided Bone Regeneration: Review**

Nilminie Rathnayake, Branko Trajkovski, Betul Rahman, Gregor-Georg Zafiroopoulos  
Pages 1626-1635

## REVIEW

**66. Treatment of Generalized Aggressive Periodontitis with Guided Tissue Regeneration and Bone Grafting: A Systematic Review**

Mardiana Adam, Sari Utami, Sri Oktawati, Asdar Gani, Harun Achmad  
Pages 1636-1639

## REVIEW

**67. Fixed Partial Dental Prosthesis in Patient with Alveolar Bone Loss: A Systematic Review**

Steven Winarto, Edwina Lesal, Andi Adytha Mutiah Itte Rusiaty, Nur Intang, Ike Damayanti Habar  
Pages 1640-1643

MEDICINE

## EXPERIMENTAL ARTICLE

**68. Endometrial  $\alpha\beta 3$  Integrin Expression in Macaca nemestrina Endometrium after Gonadotrophin Administration for Controlled Ovarian Hyperstimulation**

Nurhuda Sahar, Ichramsyah A. Rachman, R Muharram, Nuryati Chairani Siregar, Kusmardi Kusmardi, Ninik Mudjihartini, Andhea Debby Pradhita, Rosalina Thuffi  
Pages 1644-1651

## EXPERIMENTAL ARTICLE

**69. 900 MHz Radiofrequency Radiation Has Potential to Increase the Expression of rno-miR-145-5p in Brain**

Suleyman Dasdag, Mehmet Emin Erdal, Nurten Erdal, Bahar Tasdelen, Mehmet Tughan Kiziltug, Korkut Yegin, Mehmet Zulkuf Akdag  
Pages 1652-1658

## EXPERIMENTAL ARTICLE

- 70. The Potential of Camellia sinensis Extract to Prevent HIV/AIDS Transmission Risk Through the Inhibition of Syncytium, GP120, and GP41 Formation**  
Retno Pudji Rahayu, Prihartini Widiyanti, Djoko Agus Purwanto  
Pages 1659-1664

## EXPERIMENTAL ARTICLE

- 71. The Effects of Progesterone Administration in Mice During Pregnancy on Ovarian Development and Anogenital Distance of the Offspring**  
Najat A. Mohammad, Mohammad O. Selman, Nahla Al-Bakri, Enas I. Matloupe, Imad M. Al-Ani, Ghasak Ghazi Faisal, Azhar M. Suhail  
Pages 1665-1670

## CLINICAL ARTICLE

- 72. Prevalence of Physical Activity and its Association with Body Mass Index Among Late Adolescents in Kuantan, Malaysia**  
Nurjasmine Aida Jamani, Abdul Hadi Said, Karimah Hanim Abd Aziz, Mohd Aizuddin Abd Rahman  
Pages 1671-1675

## CLINICAL ARTICLE

- 73. Basic Long-Term Care Training for Informal Caregivers by the EPA Returnees and Local Trainers in Depok City, West Java, Indonesia**  
Dinni Agustin, Susiana Nugraha, Tri Suratmi, Fajar Susanti, Yuniardini Wimardhani, Tri Budi W. Rahardjo  
Pages 1676-1680

## CLINICAL ARTICLE

- 74. Education Strategies for Preventing Zoonotic Disease Transmission Among Breeders, Traders, and Slaughter House Workers**  
Evi Martha, Nurhalina Sari, Andham Dewi, Shinta Normala  
Pages 1681-1685

## CLINICAL ARTICLE

- 75. Association between XRCC3 Gene Polymorphism and the Risk of Head and Neck Squamous Cell Carcinoma**  
Listyowati, Amanda Viola, Yunardi Hanafi Midoen, Ferry Pergamus Gultom, Dwi Anita Suryandari, Elza Ibrahim Auerkari  
Pages 1686-1689

## CASE REPORT

- 76. Need for Integrated Health Services for People with Schizophrenia and Cardiometabolic Risk: A Case Study**  
Gina Anindyajati, Ivan B Kurniawan, Hervita Diatri  
Pages 1690-1696