

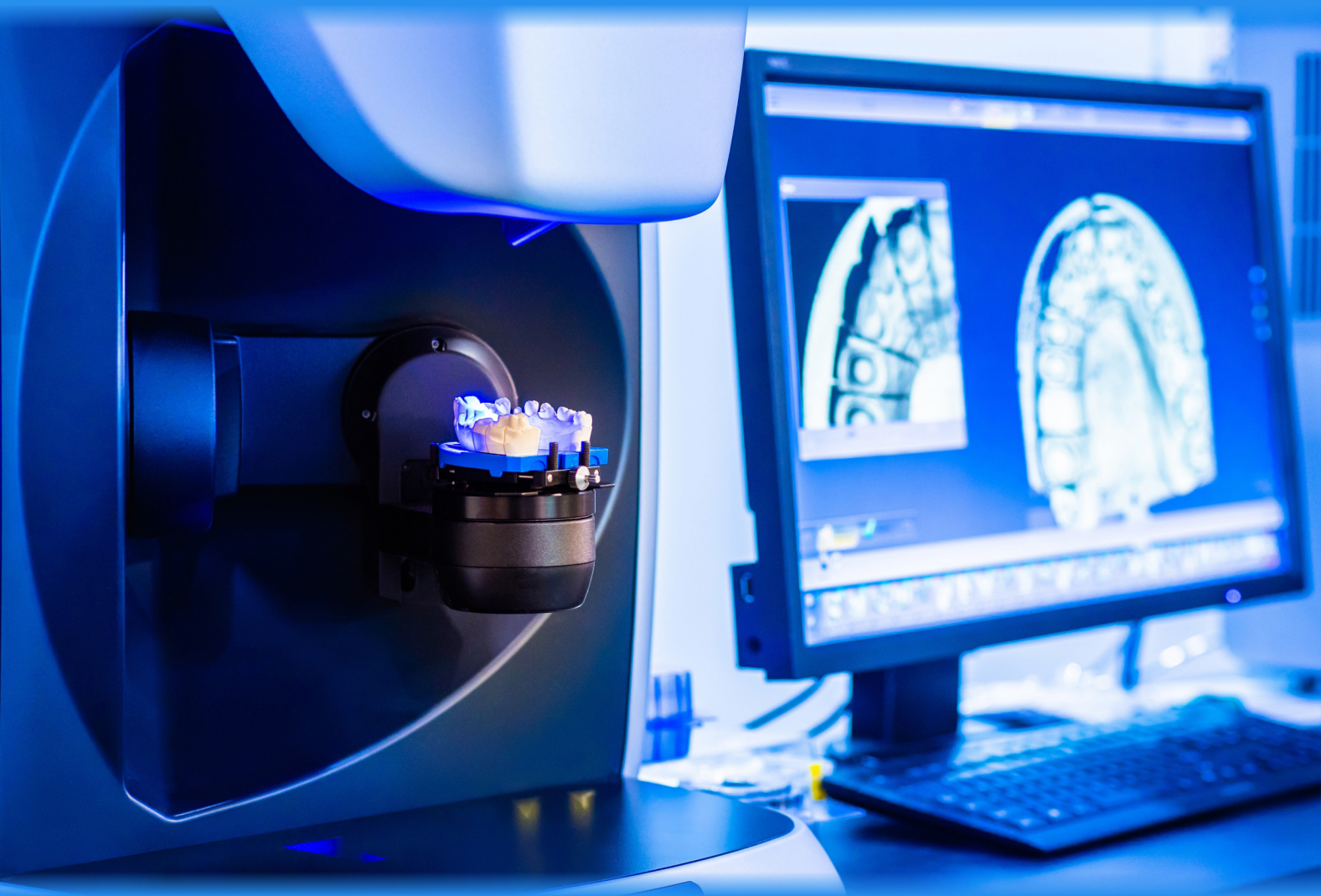
Volume 56, Issue 2, June 2023

p-ISSN: 1978-3728
e-ISSN: 2442-9740

Dental Journal

Published quarterly per year

Majalah Kedokteran Gigi



Multiple impacted third molars with pre-eruptive intracoronal resorption in geriatric patients: Two case reports • Aesthetic consideration in patient management of severe periodontitis aggravated by oral dexamethasone • Evaluation of BSP and DMP-1 in hydroxyapatite crab shells used for dental socket preservation • The expression of BMP4 and FGF2 in Wistar rats (*Rattus norvegicus*) post application of gourami fish (*Osphronemus goramy*) collagen

Accredited No. 158/E/KPT/2021

Dental Journal

Majalah Kedokteran Gigi

EDITORIAL TEAM OF DENTAL JOURNAL (MAJALAH KEDOKTERAN GIGI)

SK: 111/UN3.1.2/2023

January 2 – December 31, 2023

Patron:

Dean of Faculty of Dental Medicine, Universitas Airlangga

Advisors:

Vice Dean I, Vice Dean II, Vice Dean III of Faculty of Dental Medicine, Universitas Airlangga

Editor in Chief:

Alexander Patera Nugraha

Department of Orthodontics, Faculty of Dental Medicine, Universitas Airlangga, Indonesia [Scopus ID: 57194112535]

Editorial Boards

Roeland Jozef Gentil De Moor, Department of Restorative dentistry and Endodontology, Dental School, Ghent University, Belgium [Scopus ID: 7005928380]

Cortino Sukotjo, Department of Restorative Dentistry, University of Illinois at Chicago College of Dentistry, United States [Scopus ID: 6508194317]

Guang Hong, Liaison Center for Innovative Dentistry, Graduate School of Dentistry, Tohoku University, Japan [Scopus ID: 7203031334]

Kenji Yoshida, Department of Oral and Maxillofacial Surgery, School of Dentistry, Aichi Gakuin University, Japan [Scopus ID: 57080640700]

Miguel Rodrigues Martins, Co-Worker Aachen Dental Laser Center, RWTH Aachen University, Germany [Scopus ID: 55993479000]

Sajee Sattayut, Department of Oral Surgery, Faculty of Dentistry, Khon Kaen University, Thailand [Scopus ID: 55431381300]

Samir Nammour, Department of Dental Science, Faculty of Medicine, University of Liege, Belgium [Scopus ID: 6602922393]

Reza Fekrazad, Laser Reseach Center in Medical Science, Dental Faculty, AJA University of Medical Science, Iran [Scopus ID: 22952665700]

Hong Sai Loh, Department of Oral and Maxillofacial Surgery, Faculty of Dentistry, National University of Singapore, Singapore [Scopus ID: 7202491277]

Hamid Nurrohman, Missouri School of Dentistry & Oral Health, A.T. Still University, United States [Scopus ID: 52564067000]

Harry Huiz Peeters, Laser Research Center, Bandung, Indonesia [Scopus ID: 51864447300]

Rahmi Amtha, Department of Oral Medicine, Faculty of Dentistry, Universitas Trisakti, Indonesia [Scopus ID: 26031894400]

Elza Ibrahim Auerkari, Department of Oral Biology, Faculty of Dentistry, Universitas Indonesia, Indonesia [Scopus ID: 10139113000]

R. Darmawan Setijanto, Department of Dental Public Health, Faculty of Dental Medicine, Universitas Airlangga, Indonesia [Scopus ID: 55212583700]

Anita Yuliati, Department of Dental Material Sciences and Technology, Faculty of Dental Medicine, Universitas Airlangga, Indonesia [Scopus ID: 43462222100]

Udijanto Tedjosongko, Department of Pediatric Dentistry, Faculty of Dental Medicine, Universitas Airlangga [Scopus ID: 6508026751]

Associate Editors

Ketut Suardita, Department of Conservative Dentistry, Faculty of Dentistry, IK Bhakti Wiyata, Indonesia [Scopus ID: 6506788956]

Tansza Permata Setiana Putri, Department of Dental Biomaterials, Faculty of Dentistry, Universitas Trisakti, Jakarta, Indonesia [Scopus ID: 57197847833]

Adya Pramusita, Department of Orthodontics, Faculty of Dental Medicine, Universitas Airlangga, Surabaya, Indonesia [Scopus ID: 57204527351]

Nastiti Faradilla Ramadhani, Department of Oral and Maxillofacial Radiology, Faculty of Dental Medicine, Universitas Airlangga, Indonesia [Scopus ID: 57191881659]

Beta Novia Rizqy, Department of Forensic Odontology, Faculty of Dental Medicine, Universitas Airlangga, Indonesia [Scopus ID: 57214805206]

I Komang Evan Wijaksana, Department of Periodontics, Faculty of Dental Medicine, Universitas Airlangga, Surabaya, Indonesia [Scopus ID: 57205063686]

Managing Editors

Muhammad Dimas Aditya Ari, Department of Prosthodontics, Faculty of Dental Medicine, Universitas Airlangga, Surabaya, Indonesia [Scopus ID: 57200578006]

Astari Puteri, Department of Oral and Maxillofacial Pathology, Faculty of Dental Medicine, Universitas Airlangga, Indonesia [Scopus ID: 57200385443]

Beshlina Fitri Widayanti Roosyanto Prakoeswa, Department of Forensic Odontology, Faculty of Dental Medicine, Universitas Airlangga, Indonesia [Scopus ID: 57467259800]

Saka Winias, Department of Oral Medicine, Faculty of Dental Medicine, Universitas Airlangga, Indonesia [Scopus ID: 57211330310]

Aulia Ramadhani, Department of Dental Public Health, Faculty of Dental Medicine, Universitas Airlangga, Indonesia [Scopus ID: 57205630113]

Editorial Assistant

Novi Dian Prastiwi, Faculty of Dental Medicine, Universitas Airlangga;

Abdullah Mas'udy,

Faculty of Dental Medicine, Universitas Airlangga.

Editorial Address:

Faculty of Dental Medicine, Universitas Airlangga

Jl. Mayjen Prof. Dr. Moestopo No. 47 Surabaya 60132, INDONESIA

Phone. +62 31 5039478, 5030255. Fax. +62 31 5039478, 5026288

Email: dental_journal@fkg.unair.ac.id; Website: <https://e-journal.unair.ac.id/MKG/index>

Accredited No. 158/E/KPT/2021

Cover photo purchased from: <https://stock.adobe.com> Order number: AE00770304146CID

Dental Journal

Majalah Kedokteran Gigi

CONTENTS

Case reports	Page
1. Multiple impacted third molars with pre-eruptive intracoronal resorption in geriatric patients: Two case reports Emel Olga Onay, Cemre Koc, Mete Ungor	68–72
2. Aesthetic consideration in patient management of severe periodontitis aggravated by oral dexamethasone Irma Josefina Savitri, I Komang Evan Wijaksana, Okkinardo Arief, Muhammad Nur Falah, Udijanto Tedjosongko, Olivia Bambang Siswanto, Kazuhisa Ouhara, Hidemi Kurihara, Noriyushi Mizuno	73–79
Original articles	
3. The relationship between tooth loss and pre-elderly nutritional status and quality of life Widiya Ulfa, Rosa Amalia, Al Supartinah Santoso	80–86
4. Using the Demirjian method for estimating the dental age of children in Surabaya, Indonesia Beshlina Fitri Widayanti Roosyanto Prakoeswa, Arofi Kurniawan, An'nisaa Chusida, Beta Novia Rizky, Anugerah I'zaaz Darmawan, Andini Kamilia Nur Aisyah, Aspalilah Alias	87–91
5. Inhibitory test of andaliman (<i>Zanthoxylum achantopodium</i> DC) extract mouthwash against dental plaque bacteria Martina Amalia, Priscillia Sekar Yoswana, Iqlima Salsabila binti Mohammad, Filya Suri Risky Nababan, Zulkarnain, Pitu Wulandari, Aini Hariyani Nasution, Armia Syahputra	92–97
6. Antibiofilm activity of neem leaf (<i>Azadirachta indica</i> A. Juss) ethanolic extracts against <i>Enterococcus faecalis</i> in vitro Suhartono Suhartono, Cut Soraya, Putri Shabira	98–103
7. Evaluation of BSP and DMP1 in hydroxyapatite crab shells used for dental socket preservation Michael Josef Kridanto Kamadjaja, Sherman Salim, Wiwik Herawati Waluyo, Tengku Natasha Eleena binti Tengku Ahmad Noor	104–108
8. The potential of toothpaste containing Robusta coffee bean extract in reducing gingival inflammation and dental plaque formation Peni Pujiastuti, Neira Najatus Sakinah, Yuliana Mahdiyah Da'at Arina, Melok Aris Wahyukundari, Depi Praharani, Desi Sandra Sari	109–114
9. The expression of BMP4 and FGF2 in Wistar rats (<i>Rattus norvegicus</i>) post application of gourami fish (<i>Osphronemus goramy</i>) collagen Chiquita Prahasanti, Niken Luthfiyya Arini, Kurnia Dwi Wulan, Onge Victoria Hendro, I Komang Evan Wijaksana, Noer Ulfah, Banun Kusumawardani, Padmini Hari, Shahabe Saquib Abullais	115–121
10. Changes in the corrosion rate and microstructure of beta titanium wire using kiwi peel extract Hilda Fitria Lubis, Hanifa Natarisya	122–126
11. Post-tooth extraction induction effect of <i>Moringa oleifera</i> leaf extract and demineralized freeze-dried bovine bone xenograft treatment on alveolar bone trabecula area Utari Kresnadi, Najla Salsabila, Primanda Nur Rahmania, Phara Aster Chandra Adventia, Bima Subiakto Rahmani, Nobuhiro Yoda	127–131
12. Degradation of <i>Fusobacterium nucleatum</i> biofilm and quantity of reactive oxygen species due to a combination of photodynamic therapy and 2.5% sodium hypochlorite Nanik Zubaidah, Sukaton, Sri Kunarti, Meidi Kurnia Ariani, Dawailatur Rahman Setiady, Dur Muhammad Lashari	132–138