



Dr. Madhura Pawar

Department of Pediatric and Preventive Dentistry,
Dr. D. Y. Patil Dental College and Hospital, Pune,
Maharashtra, India.

Education

BDS Sept 2003- Aug 2008 - KLE Dental College and Hospital, Belgaum, Rajiv Gandhi University of Health Sciences, Karnataka, India

MDS Pediatric Dentistry June 2009- May 2012- Dr. D. Y. Patil Dental College and Hospital, Pune, Maharashtra, India

PhD: Perusing PhD at Dr. D.Y. Patil University, Pune, Maharashtra

Membership of Association

1. Member of the Indian Society of Pedodontics and Preventive Dentistry
2. Member of the South Asian Association of Indian Society of Paediatric Dentistry
3. Member of the Indian Society of Dental Traumatology
4. Member of the Indian Dental Association, Pune Branch

Professional Experience: 10 years, 10 months (as on April 2023)

Associate Professor -Since April 2018- Dr D Y Patil Dental College and Hospital, Pimpri, Pune

Associate Professor -June 2016- March 2018- M.A. Ragoonwala College of Dental Sciences and research centre, Pune

Assistant Professor-June 2015- June 2016- M.A. Ragoonwala College of Dental Sciences and research centre, Pune

Assistant Professor-February 2014-June 2015- SMBT Dental Sciences and research Centre, Sangamner

Assistant Professor-June 2012- February 2014- M.A. Ragoonwala College of Dental Sciences and research centre, Pune.

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Carrier Highlights

Awards

1. BEST PAPER at Pedo Virtual Summit 2021 organized by South Asian Association of Pediatric Dentistry and Bangladesh Society of Pediatric Dentistry (9-11 April 2021)
2. BEST PAPER at International Digital Pediatric Dentistry Congress by South Asian Association of Pediatric Dentistry (SAAPD) 2020
3. BEST PAPER at I DENT 2012 State Zonal Conference, Maharashtra
4. BEST PAPER at 32nd Annual National ISPPD Conference, Amritsar, India

Honours

Chairperson at 42nd ISPPD Conference, Bhuvaneshwar 2021 & 43rd ISPPD Conference, Bhopal 2022

Research and Publications:

Articles:

1. Anant Ragav Sharma, Rakesh Kumar Jaiswal, Swapnali Shinde Kamble, Mahesh Ghadage, Madhura Pawar, Hiroj Bagde, Ramanpal Singh Makkad. Chronic inflammation on gingiva-derived mesenchymal stem cells. *Bioinformation*.2023 19(1): 138-142
2. Kundgulwar P, Agarwal D, Pawar M, et al. Incidence and Intensity of Pain following Endodontic Treatment by Different Instrumentation Techniques in Teeth with Periapical Lesion. *Cureus*.2023;15(2): e35354.
3. Dr. Nityanand Shetty, Dr. Madhura Pawar, Dr. Vivek Pawar, Dr. Suchareeta Panda, Dr. Mimansa Patel, Dr. Bharat Gupta. Randomized Clinical Trial Comparing the Effects of the Myofunctional Trainer and the Twin Block on the Development of Class II Division I Malocclusion. *Journal of Pharmaceutical Negative Results [Internet]*. 2023 Feb. 12:1970-4.
4. Renu Batra , Rana K. Varghese , Reena Bagde , Priyanka Razdan , Madhura Pawar , Suchareeta Panda, Ramanpal Singh.An In-Vitro Analysis of Root Fracture Strength Using Single File Systems.2023
5. Pawar M. Pawar V. Renugalakshmi, A. Albrakati, A.,Uthman, U.S.,Dewan, H, Mugri, M., Sayed, M. Bhandi, S.Patil, V.R.et al. Glucose and Serum Deprivation Led to Altered Proliferation, Differentiation Potential and AMPK Activation in Stem Cells from Human Deciduous Tooth *J. Pers. Med.* 2022;12(1):18
6. Dr. Madhura Pawar, Dr Neelam Gavali, Dr. Fatma Shaghaf , Dr.Alok Ranjan, Dr Preeti Dhir, Dr. Gayatri Padhee.Comparative evaluation of antimicrobial efficacy of three different formulations of mouth rinses with multi-herbal mouth rinse. *International Journal of Early Childhood Special Education (INT-JECS)*.2022;14(4):1748-1757
7. Gogoi A, Pawar M, Badarkhe A, Vhatkar B,Bagde H, Kharat S. Diode laser approach for excision of solitary mucocele.*J Pharm Bioall Sci* 2022;14:S1066-9.
8. Jadeja, N., Pawar, M., Singh, P., Newaskar, D. P., Amin, V., & Amin, V. (2022). Comparison between conventional radiograph and 3d volumetric radiograph for determining the morphology and morphometry of mental foramen. *International Journal of Health Sciences*, 6(S6), 749–758.
9. Pawar M, Agwan MA, Toshniwal NG, Biswas K, Raina R,Pawar S. Efficacy of ozone to eliminate endopathogenic microorganism in root canal biofilm. *J Pharm Bioall Sci* 2022;14:S876-9.
10. Pawar M, Kasuhal D, Kakti A, Alshammari F, Alshammari MF, Dixit S, *et al.* Manual and powered toothbrushing effectiveness on autistic children's oral hygiene status. *J Pharm Bioall Sci* 2022;14:S837-40.
11. Dr.Madhura Pawar, Dr. Gourav Thapak , Dr. Ananya. B , Dr Shakti Singh Meena, Dr Rolly .S. Agarwal.Comparative evaluation of calcium release of the apical plugs formed by mineral trioxide aggregate, biodentine, and endosequence root repair material with and without 2% triple antibiotic powder: an in vitro study. *International Journal of Early Childhood Special Education*.2022; 14(5): 1328-1340.
12. Madhura Pawar, Aakriti Pande, Dr. Suresh Ludhwani, Dr. Prashant Jadhav, Dr Rupali V Patil, Dr Kapil Paiwal, Dr.Ramanpal Singh Makkad. Importance of primary

- dentition in children from parental perspective: A clinical study *International Journal of Early Childhood Special Education*.2022;14(1):545-550.
13. Dr. Madhura Pawar, Dr Toshniwal Nandalal G, Dr Neeta S Padmawar, Dr Sameer Madhukarrao Parhad, Ateet kakti, Dr Prachi Dronacharya Khandare. Evaluation of prevalence of oral lesions among children of upto 12 years of age. *Journal of Positive School Psychology*.2022;6(4):2819-2821
 14. Preeti P. Padhy, Madhura Pawar, Noreen Qazi, Aatif Nabi Shah, Vivek Pawar. A bibliometric analysis of the 100 most cited articles on nitrous oxide conscious sedation. *Indian Journal of Public Health Research and Development*.2022;13(1): 257-270.
 15. Mathias Merlyn R , Pawar Madhura , Lath Tripti. A Scoping Review on Design Modifications of Lingual Holing Arch appliance. *Indian Journal of Public Health Research & Development* 2022;13(3): 165-170.
 16. Gangesh Bahadur Singh, Dr.Prasad Chandrakant Ingale, Dr. Amit Wasti, Dr Gaurav Dani, Dr.Madhura Pawar, Dr Kapil Paiwal, Dr. Ramanpal Singh Makkad. Maxillary Sinus Anatomic Variations evaluated using cone beam computed tomography. *NeuroQuantology*.2022;20(10): 2880-2889.
 17. Dr.Noreen Qazi, Dr.Madhura Pawar, Dr Sonal Singh ,Dr Smritashree Baruah , Dr.Ritumvada Malhotra , Dr Anuj Kishor Shukla. Comparing The Luting Efficiency of Two Different Cements In Microleakage Of Metallic Copings. A Clinical Study. *Journal of Pharmaceutical negative results*. 2022;13(8): 739-743.
 18. Qazi N, Pawar M, Tharakan AP, Padhy P. Sugar and salt content of commercially available infant formulas and baby foods in the Indian marketplace and its comparison to the recommended intake guidelines. *Indian J Community Med* 2021; 46:757-8.
 19. Pawar M, Saleem Agwan MA, Ghani B, Khatri M, Bopache P, Aziz MS. Evaluation of Class II restoration microleakage with various restorative materials: A comparative in vitro study. *J Pharm Bioall Sci* 2021;13:S1210-4.
 20. Pawar M, Pawar V, Thete SG, et al. Enhancement of Odontoblastic Differentiation of Stem Cells from Exfoliated Deciduous Tooth Using N-acetylcysteine—An In Vitro Study. *J Contemp Dent Pract* 2021;22(8):882–889.
 21. Ann Polachirakal Tharakan, Madhura Pawar, Sonal Kale, Noreen Qazi, Rahul Deshpande, Suchita Abhay Gaikwad. Antimicrobial Properties of Three Different Bioactive Compounds of Cassia Species Against *S. mutans* Serotype C (ATCC 25175). An Invitro Study. *Int J Cur Res Rev*. 2021;13(16):30-37
 22. Poonam Shingote, Madhura Pawar. Assessment of knowledge, attitude, and practices of health care workers towards identification and reporting of child abuse and neglect in India: A cross-sectional study. *International Journal of Pediatric Dentistry* 2021
 23. Dr Madhura Pawar, Dr Bushra Ghani, Dr Rahul Kishor Chaudhari, Dr Vivek Pawar, Dr Rajat Pareek, Dr Gagandeep Singh. Evaluation of public awareness, knowledge, and approval of oral implant treatment: A cross sectional study. *Annals of R.S.C. B*.2021;25(4): 14523-14529.
 24. Noreen Qazi, Madhura Pawar Fluoride concentrations in commercially available milk in India. *International Journal of Pediatric Dentistry* 2021
 25. Dr.Madhura Pawar, Dr.Jitendra Chawla, Dr. Saerish AK Amalkhan, Dr. Azeem Ul Yaqin Syed, Dr Myra Ahmed, Dr. Muhammad Haseeb.A comparative radiographic evaluation of crestal bone loss around dental implants by varying the abutment diameters. *Annals of R. S. C. B*.2021;25(5): 2573-2585.
 26. Preeti P. Padhy. Madhura Pawar Treatment outcomes of splinting of primary teeth following avulsion injuries: A systematic review. *International Journal of Pediatric Dentistry* 2021

27. Noreen Qazi, Madhura Pawar, Ann P. Tharakan, Preeti P. Padhy. Probiotic Streptococcus A12 Strain in Caries Prevention: A Systematic Review. *Indian Journal of Public Health Research & Development*.2021;12(2):239–243.
28. Tharakan AP, Pawar M, Kale S. Effectiveness of licorice in preventing dental caries in children: A systematic review. *J Indian Soc Pedod Prev Dent*. 2020;38(4):325-331.
29. Pawar V, Kharat A, Pawar M, Bhonde R, Patil VR. Need for the biobanking and all-round "-omics" approach for cancers of mouth/oral region. *Oral Dis*. 2019;25(6):1678-1679.
30. Ann Tharakan, Madhura Pawar, Noreen Qazi. Knowledge, attitude, and practice among schoolteachers about correlation of oral habits and functional dyslalia in children *EJPMR* 2020;7(8):702-705
31. Tamhankar G, Bendgude V, Pawar M, Chavan J. Comparative evaluation of microleakage of Type IX Glass ionomer cement and nano-ionomer cement restoration, in cavities prepared by erbium: Yttrium, aluminum, garnet laser and conventional bur method: In vitro study *Int J Pedod Rehabil*.2019;4(2):71-75.
32. Pawar Madhura .Behaviour of DPSCs in vitro under hyperglycaemic and ischemic conditions simulate in vivid scenario. *JISPPD* 2019;37:S27.
33. Anjali Ganjre, Supriya Kheur, Vivek Pawar, Madhura Pawar Significance of Effect of Metformin on Cancer Stem Cells–“Need of an Hour” in oral cancers. *Journal of Research in Medical and Dental Science*.2017; 5 (5):30-33
34. Patil SK, Fatangare M, Jadhav RG, Shinde GR, Pawar SS, Kathariya MD. Caries Preventive Effect of Sodium Fluoride Varnish on Deciduous Dentition: A Clinical Trial. *J Contemp Dent Pract*. 2017;18(12):1190-1193.
35. Awareness of infection control techniques among oral surgeons in patient management. *Int J Dent Case Reports* 2014; 4(4): 1-6 3.
36. Gaikwad SS, Gheware A, Kamatagi L, Pasumarthy S, Pawar V, Fatangare M. Dental caries and its relationship to malocclusion in permanent dentition among 12–15-year-old school going children. *J Int Oral Health*. 2014;6(5):27-30.

Books published:

Dental Caries Vaccine- Dentomed Publication House

Recent trend in application of digital technology in dentistry and dentofacial orthopaedics:
RFI Publication

IPR : Copyrights:

Sr No	Copyright title	Status	Registration no.
1.	Distal shoe with acrylic teeth: a modification to current design	Registered	L-113155/2022
2.	Comparative evaluation of the antimicrobial properties of three different bioactive compounds of Cassia species and 0.2% chlorhexidine against acidogenic salivary microflora in mixed dentition	Registered	29732/2021-CO/L (Diary no)

3.	Knowledge, attitude, and practice of Pediatric dentists/ Dentists regarding signs of Multisystem Inflammatory Syndrome in Children (MIS-C) post Covid-19 infection: a questionnaire	Registered	30473/2021-CO/L (Diary no)
4.	Awareness amongst parents regarding signs of Multisystem Inflammatory Syndrome in Children (MIS-C) and Covid-19: a questionnaire	Registered	L-112409/2022
5.	Natural disclosing agent- composition and procedure for detection of dental plaque: a self-detection tool for patients	Registered	L-111200/2022
6.	Procedure to use tamarind in management of superficial mucocoeles (extravasation phenomenon)	Registered	29618/2021-CO/L (Diary no)
7.	Procedure to manage superficial mucocoeles (extravasation phenomenon) using Garcinia Indica (kokam)	Registered	29621/2021-CO/L (Diary no)
8.	A plaque disclosing agent prepared from Indian blackberry or jamun (<i>Syzygium cumini</i>) and procedure to use the same	Registered	29613/2021-CO/L (Diary no)
9.	A plaque disclosing agent prepared from Garcinia Indica (kokam) and procedure to use as an education tool for patients	Registered	29615/2021-CO/L (Diary no)
10.	Awareness and knowledge of pediatric dentists/dentists regarding signs about substance abuse disorders.	Registered	29721/2021-CO/L (Diary no)

Completed Projects at Regenerative Medicine Lab, DPU:

Glucose and Serum Deprivation Led to Altered Proliferation, Differentiation Potential and AMPK Activation in Stem Cells from Human Deciduous Tooth.(2022)