



# Dr. (Mrs.) Wasundhara A. Bhad (Patil)



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'Wasundhara', 20, Pragati nagar, Near medical colony,  
Bhagwan nagar, Nagpur, Maharashtra, India- 440027.

## EDUCATION

1989

Government Dental college &  
Hospital | Nagpur

Master of Dental Surgery:  
Orthodontics & Dentofacial  
Orthopedics

1982

Government Dental college &  
Hospital | Nagpur

Bachelor of Dental surgery

## SKILLS

- 33 years of teaching experience
- Post-graduate Guide: 20 years
- BDS Examiner: 30 years
- MDS Examiner: 19 years
- PhD Guide
- PhD Examiner

## AREA OF RESEARCH

- DIAGNOSTIC AIDS
- GENETIC STUDIES
- NEWER MATERIALS
- MYOFUNCTIONAL APPLIANCES
- ACCELERATED ORTHODONTICS
- MOLECULAR BIOLOGY
- SLEEP APNEA
- DENTAL EDUCATION & RESEARCH

## AUTHOR OF BOOK

1. Treatment of skeletal  
openbite .Lambert Academic  
Pub.Canada

## EXPERIENCE

20.06.2023 - Dean & Professor

Government Dental College and Hospital, Mumbai, India

03/2014 - 19.06.2023

Former Professor & HOD

Dept. of Orthodontics and Dentofacial Orthopaedics

Government Dental College and Hospital, Nagpur, India

05/2003 - 03/2014

Associate Professor

Government Dental College and Hospital, Nagpur, India

04/1991 - 05/2003

Lecturer/ Assistant Professor

Government Dental College and Hospital, Nagpur, India

## RECOGNISED POSTGRADUATE GUIDE

- Maharashtra University of Health Sciences, Nashik dated 09.11.06
- Nagpur University - dated 3rd Jan 2004

## RECOGNISED PHD GUIDE

- Maharashtra University of Health Sciences, Nashik dated 08.10.14

## VICE DEAN ACADEMICS

Government Dental College and Hospital, Nagpur, India

- NAAC IQAC Coordinator

Government Dental College and Hospital, Nagpur, India  
2021-2023

## AWARDS

- "Best Teacher Award" by Maharashtra Health University of Health Sciences, Nashik for the year 2011-2012 on ( 10th June

2. Orofacial habits (Jaypee pub.Forthcoming)
3. Recent Advances & Application in Pure and Applied Mathematics and Allied areas (Chapter: The power of mathematics in the field of dentistry)
4. Orthodontic Pain (chapter)

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## EDITOR ON JOURNAL REVIEW BOARD

- The Journal of Indian Orthodontic Society
- Journal of Contemporary Orthodontics
- Angle Orthodontics
- Public Library of Science
- American Journal of Orthodontics
- World Federation of Orthodontics
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## PATENT 03

- Magnetic Bite blocks.
- 3-D Titrable Apnea Device Indian patent no1830/MUM/2014
- Electronic sensor for wear time measurement of removable appliance in dentistry No.201921037246 dt.24.01.20

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## COPYRIGHTS -17

1. Magneto Inclined Blocks No.L-103281/2021 dt.17.05.21
2. Orthotracker No -L-110741/2022 dt.24.01.2022
3. Effect of platelet rich plasma injection for accelerating orthodontic tooth movement in canine retraction cases- a randomized controlled trial. No. L-112155/2022 Dt.23.02.2022
4. Evaluation of salivary alkaline phosphatase levels during growth modulation treatment by twin block

2013).

- “2018 B.F. and Helen E. Dewel Award” by American Journal of Orthodontics for Best Original Clinical Research at Washington D.C. (5th May 2018).
- Monogram “Dr. Bhad's Contribution to Orthodontics” released by PIMS University, Loni.
- IOS ,Dr.P.P.Jacob Award for Best Scientific Paper Published in JIOS , 2021.

## AWARDS SPONSORED

- ‘Dr. Pramila Shivhari Kakde -Patil Award’ for Topper in Final BDS Orthodontics in GDCH Nagpur
- ‘Dean Dr Wasundhara Ashok Bhad-Patil Gold Medal’ for Topper in MDS Orthodontics in Maharashtra University Of Health Sciences, Nashik

## OFFICE BEARER

- Life Member of Indian Orthodontic Society
- Member, Indian Dental Association
- Adjunct Faculty (Research) Dept. of Orthodontics; VSPM Dental College, Nagpur
- Executive Member, Sleep Apnea Association of India
  - Vice President, Alumni Association, GDCH Nagpur
  - NAAC IQAC Coordinator, GDCH, NAGPUR
- Member Research Committee, GDCH, Nagpur

## PAST POSITION

- Co-ordinator Internal Quality Assurance Cell
- Chairperson Equal Opportunity Cell, GDCHN
- Chairperson OBC Cell, GDCHN
- Officer -Incharge Institutional Grievance Committee
- Officer -Incharge Internal Complaint Cell (Vishaka)
- Member Board of Research studies
- Member Research & Development Cell
- Member Institutional Ethics Committee
- Member Mentorship Committee
- Member Parents Teacher Association, GDCHN
- Treasurer, Nagpur Orthodontic Study Circle
- Treasurer, 42 nd IOC Nagpur.
- Member, PG Clinical Board , MUHS, Nashik (2006-17)
- Faculty member ,Board of studies MUHS, Nashik (2006-17)
- Member, Board of studies PIMS, Loni
- Member, Board of Studies. SPDC, Sawangi

## DEPUTATION

- Govt. Dental College and Hospital, Mumbai to guide the post graduate students for Session 2005-06 as per order dated 18th Jan 2006

in growing skeletal class ii children - a non-randomized clinical study No. L-112262/2022 DT.25.02.2022

5. Effectiveness of day time, night time and full time wear protocol of twin block appliance on skeletal and dentoalveolar changes in growing skeletal class ii children: a randomized controlled trial No. L-112263/2022 DT.28.02.2022

6. Evaluation of skeletal, dentoalveolar and soft tissue changes with magnetic twin block in early and late adolescents No. L-112494/2022 DT.28.02.2022

7. Comparison of the effects of magnetic twin block and conventional twin block in treatment of growing patients with skeletal class II malocclusion due to mandibular retrognathism- a randomized controlled trial No. L-113151/2022 DT.16.03.2022

8. A comparative evaluation of rate of enmasse retraction with and without Low intensity laser therapy- A randomized clinical trial No. L-121138/2023 DT..09.03.2023

9. Orthodontic Pulse Accelerator -No. L-114343/2022 DT.19.04.2022

10. V Spring - For Reactivation of NiTi Open Coil Spring No. L-115415/2022 Dt. 11.05.2022

11. Student training assessment rating (STAR) system- A workplace-based assessment logbook for undergraduate students. No. L132415/2023

12. Effect of leukocyte-platelet rich fibrin (L-PRF) on rate of orthodontic tooth movement during canine retraction- A randomized split mouth-controlled trial No. L131185/2023

13. STAR-Student Training Assessment Rating System- A workplace based assessment logbook for undergraduate students no. L-132415/2023 Dt.25.08.2023

14. LINK-Multidisciplinary approach to oral care (MAOC) An Interactive Postgraduate Activity No. L135837/2023 Dt.25.08.2023

15. Reflection Log GDCHN-

## TRAINING PROGRAMMES ATTENDED

1. Teachers Training Workshop Organized by MUHS Nashik on 12th - 13th Sept 2000
2. Workshop On : Rules for Framing Internship Training Program ( Faculty Of Dentistry) at MUHS, Nashik dt. 11th July 2002
3. Post Graduate syllabus forming workshop as a member P.G. Board of studies at MUHS, Nashik, on 24th May 2006
4. Research Methodology Workshop - MUHS dt. 19 - 21<sup>st</sup> Sept 2013
5. PhD teachers training workshop -MUHS, 20.07.2017
6. Advanced Course in Research Methodology, 24th-29th June'19, MUHS Nashik
7. Good Clinical Practice & Regulatory Updates, 6th July'19 MUHS Nashik
8. Transformation through NAAC Accreditation Process National Workshop for Higher Educational Institutions and Health Sciences by Institute for Academic Excellence, Hyderabad dt.21st & 22nd June 2021
9. Assessment of Health Sciences colleges on the basis of NAAC parameters: Online Symposium dt.22nd Dec 2021 MUHS Nashik
10. Systematic Review & Meta-Analysis Workshop -GDCH, Nagpur 5-6th Jan 2022
11. Good Clinical Practice, NIDA Clinical Trials Network-16TH July '22
12. Ethics Review of Health Research: NIE-ICMR (Swayam) August 2022
13. Scientific Writing in Health Research: NIE-ICMR (Swayam) August 2022
14. Introduction to Systematic Reviews for Dental Health Professionals: NIE-ICMR (Swayam) August 2022
15. Dental Education Workshop on Innovative Teaching Learning and assessment - GDC&H ,Mumbai; 30<sup>th</sup> & 31<sup>st</sup> Jan'24

## RESEARCH AND PUBLICATION

**Research and Publication: 60**  
 International Journals: 49  
 National Journals: 11

### Publication Work

1. Wasundhara A. Bhad, Pushpa V. Hazarey.: Scanning electron microscopic study And shear bond strength measurement with 5% and 37% phosphoric acid. Am J Orthod Dentofac Orthop. Oct 1995; 108(4): 410-414.
2. Baldewars, Bhad WA : Whip spring for single tooth rotation ; Milestone , April 2006, vol 5(2)
3. Doshi UH, Bhad WA. : Early management of skeletal open bite with spring-loaded and magnetic bite blocks. World J Orthod.

Undergraduate Student Reflection

Writing Self Assessment Diary

No. L -13894/2023 Dt.25.08.2023

16.Evaluation of Effects Leukocyte-Platelet rich fibrin and combination of Leukocyte-Platelet rich fibrin & Low intensity laser therapy on the rate of canine retraction -A randomized controlled trial

No.L145572/2024 Dt.21.03.2024

17.Comparative evaluation of salivary alkaline phosphatase levels during single step vs two step mandibular advancement with twin block in growing children -A randomized controlled trial No.L145798/2024 Dt.26.03.2024

2010 Summer; 11(2):107-16.

4. Rohida NS, Bhad W. A : Clinical, MRI, and EMG analysis comparing the efficacy of twin blocks and flat occlusal splints in the management of disc displacements with reduction. World J Orthod. 2010 Fall;11(3):236-44.

5 .Umal H. Doshi, Wasundhara A. Bhad. : Static frictional force and surface roughness of various bracket and wire combinations.; Am J Orthod Dentofac Orthop. Jan 2011; 139(1): 74-79.

6. Neeraj S. Rohida, Wasundhara A. Bhad. Accidental ingestion of a fractured Twin-block appliance. Am J Orthod Dentofac Orthop. Jan 2011; 139(1):123-125.

7. Doshi UH, Jamwal RS, Bhad WA. Distalization of molars using two stage mini-implants a case report. J Orthod. 2011 Mar;38(1):55-63.

8. Doshi UH, Bhad WA. A simple method for Twin Block activation. J Clin Orthod. 2011 Jun;45(6):328-31.

9. Umal H. Doshi, Wasundhara A. Bhad. Spring-loaded bite-blocks for early correction of skeletal open bite associated with thumb sucking.

Am J Orthod Dentofac Orthop. July 2011;140(1):115-120.

10. Doshi UH, Bhad WA. Speech defects and orthodontics: A contemporary review , World J Orthod 2011 Summer

11. Wasundhara A. Bhad, SubashNayak, Umal H. Doshi. A new approach of assessing sagittal dysplasia: The W angle. The European Journal of Orthodontics Advance Access published February 8, 2011.

12. BhaveshKothari , W. A. Bhad. Antimicrobial efficacy of Chlorhexidine and Triclosan on the Orthodontic appliance components: An in -vivo comparative microbial culture study. Annals of Dental Research (2011) Vol 1 (1)

13. GauriDoshi , Bhad WA. Efficacy of low intensity laser therapy in reducing treatment time and orthodontic pain: A clinical investigation. Am J Orthod Dentofac Orthop. March 2012; 141(3):289-97

14. Baldewa R, Bhad WA-Stress distribution analysis during an intermaxillary disjunction:A three - dimensional FEM study of an adult human skull JIOS, 2011;45(2);75-81.

15. Doshi UH, Bhad WA. Implant supported bite blocks for open bite correction in adults JIOS, Issue 2 2012.

16. Subash CN, Bhad WA: Marfan's Syndrome:An Orthodontic Perspective. JIOS2012, 46(3); 162-166

17. Jamwal RS, Doshi UH, Bhad WA. Comparison of sagittal anchorage conservation of mini-implants and modified Nance palatal buttons. J Orthodontics (Chic.). 2012;13(1):e10-9.

18. RizwanShaik, Bhad W.A : Computer based patient education in central India,Int J. Sci & Res Pub ,Jan 2013,3.1.

19. Subash CN, Bhad WA, Doshi UH : The relationship between salivary insulin-like growth factor I and quantitative cervical maturational stages of skeletal maturity. J Orthod 2014, Sep;41(3):170-4.

20. Arun N,Bhad W A: A clinical comparison of maxillary

- expansion-Transforce transverse appliance Vs NiTi palatal expander J World Federation of Orthodontist ,3(2014)e61-e65.
21. Wasundhara A.Bhad-Patil : Laser therapy for faster orthodontic tooth movement. APOS Trends in Orthodontics,2014, 4(5),111-115
  22. Santosh Chavan, Wasundhara A.Bhad ,Umali Doshi :Comparison of Temporomandibular Joint Changes in Twin Block and Bionator Appliance therapy; A Magnetic Resonance Imaging Study, Progress in Orthodontics, 2014
  23. ManekarV,RadkeS,BhadW,Gosavi S :Communication skill training (CST) for dental Interns;JETHS vol. 2(1) April 2015
  24. HarshalChandorikar, WasundharaBhad.UmalDoshi,Santosh Chavan: Versatile Twin - block design for noncompliance class II correction;APOS Trends in Orthodontics 2016,271-272
  25. SantoshChavan,Wasundhara Bhad : Computed Tomography for localization of impacted canine :Acase report; Indian journal of applied research,vol.6(4) April 2016
  - 26.UmalDoshi,WasundharaBhad,RahulBaldewa,Santosh Chavan. Whip Spring for Incisor Rotation. J Dental Health, Oral Disorder &Therapy2016;5(3):155
  27. ChandrekantShete, Wasundhara Bhad :Three dimensional upper airway changes with mandibular advancement device in obstructive sleep apnea.Am J Orthod Dentofac Orthop. May 2017;151:941-8
  28. HarshalChandorikar, Arun Nagrik1, Wasundhara A Bhad2, Santosh J Chavan2 Umali H Doshi :, Early correction of unilateral scissor bite using transforce appliance and modified twin block appliance; JOrthodsci, June 13, 2017, IP: 49.35.0.245]
  29. RohitMinase, Wasundhara Bhad,Umal Doshi : W spring for management of Impacted teeth;APOS Trends in Orthodontics 2017,Sept 14,165
  30. Bhad WA : Orthodontist and Orthodontic Residents Education: Effect on Professional Attitudes and Behaviour; APOS Trends in Orthodontics 2018 ,8.213-8
  31. Doshi UH, Bhad WA :Long term stability of anterior open bite treatment by magnetic and spring loaded bite blocks ; APOS Trends in Orthodontics 2019 Jan-Mar;9:1,44-8
  32. Minase R, Bhad WA, Doshi UH: Effectiveness of ReverseTwin Block with Lip Pads-and Face Mask with RME in the early treatment of class III malocclusion Progress in Orthodontics 2019,20:14
  - 33.Sagar J.Jivrajani Wasundhara A.Bhad (Patil):Effect of Low Intensity Laser therapy (LILT) on MMP-9 expression in gingival crevicular fluid and rate of orthodontic tooth movement in patients undergoing canine retraction: A randomized controlled trial; International Orthodontics 2020 Feb
  34. Dr. Sagar Jivrajani ,Dr. Wasundhara Bhad , Dr. RuchiMahajan Asymmetric extraction, intra oral elastics and tip back moments in treatment of subdivision malocclusion. International journal of scientific research;| February-2020, Volume-9 , Issue-2 .
  35. Dr. Sagar Jivrajani ,Dr. Wasundhara Bhad :Treatment of

Class II malocclusion in young patient with Forsus™ fatigue resistant device and non extraction approach: A case report; Indian Journal of Orthodontics and Dentofacial Research; February-2020, Volume-6 , Issue-1 .

36. Dr.NiyatiMehta.Dr. Santosh Chavan, Dr. Wasundhara Bhad : Age changes in adolescent soft tissue profile and Orthodontics :A Contemporary review

International journal of scientific research; | April-2020, Volume-9 , Issue-4 .

37. Nikita Baheti, Wasundhara A. Bhad,, Santosh J. Chavan, Siddharth S. Sonwane Dental sleep medicine: A comprehensive overview: June 2020,51-55

38. Santosh J. Chavan, Wasundhara A. Bhad, Nikita Baheti: Cephalometric comparison of treatment effects of Twin block and Bionator appliance with an untreated Class II sample; Int J Orthod Rehabil 2020;11:93-100

39.Arun Nagrik, Wasundhara A. Bhad,UmalDoshi:A randomized clinical trial to assess the sagittal effects of Transforce transverse appliance (TTA) and NiTi palatal Expander (NPE) on skeletal Class II malocclusion in growing patients during retention phase-A cephalometric study using a historical control group:International Orthodontics 2020;18:722-731

40.Shipa Kulkarni, Wasundhara A. Bhad,Umal Doshi: Association between Mandibular prognathism(MP) and Matriline1 gene;JIOS 2020

41. Dr. Sagar Jivrajani, Dr. Wasundhara Bhad ,Ankita Gupta,RuchiMahajan: Surgical Mandibular advancement and lower incisor extraction: Case report with 18 months follow up ; Orthod Nepal 2020

42. Kanchan Narkhede, Wasundhara Bhad ,Santosh J. Chavan: Platelet-rich plasma :Its applications in orthodontics- A systematic review; APOS Trends in Orthodontics ; July-September 2021; 11 ( 3)

43.WasundharaBhad,AnilDhage,NikitaBaheti,SantoshChavan,Niyati Mehta : Evaluation of stress distribution in maxilla, mandible and glenoid fossa after class III intermaxillary traction : A three dimensional FEM study ; International Journal of Orthodontic Rehabilitation; July-Sept.2021;12(3)

44. Nikita Baheti ,Wasundhara Bhad:Correlation of Twin block appliance efficacy and wear duration as assessed with compliance indicator; Journal of World Federation of Orthodontists;Dec 20,2021;18:26

45. SiddharthSonawane ,Wasundhara Bhad : Gingival crevicular fluid alkaline phosphatase activity as growth marker :Systematic review APOS 2021

46. Wasundhara Bhad (Patil),Anchalkaremore: Effect of pulsed electromagnetic field on rate of orthodontic tooth movement Am J Orthod Dentofac Orthop. Jan 2022,161(1)

47. Swapnil Mangwade,SantoshChavan,Wasundhara Bhad: Comparison of the treatment Duration and effects of magnetic mandibular repositioning appliance and nonmagnetic Twin block in treatment of growing patients with skeletal class II

malocclusion due to mandibular retrognathism -a systematic review; APOS Feb 2022

48. Siddharth Sonawane, Wasundhara Bhad: Alkaline Phosphatase activity as Individual Skeletal Maturity Indicator : A Systematic review; Annals of Case Reports, April 2022

49. Saurabh S. Waghchaure, Wasundhara A. Bhad, Santosh J. Chavan, Niyati Mehta, Nikita Baheti: Effectiveness of Surgical Mandibular Advancement in Improving Airway Dimensions in Nongrowing Skeletal Class II Patients with Obstructive Sleep Apnea—A CBCT Study ; JIOS, May 2022(online)

50. Wasundhara Ashok Bhad, Anchal Ashok Karemore :Letter to the editor Effect of pulsed electromagnetic field on the duration of orthodontic treatment, AJO June 2022

51. Wasundhara Ashok Bhad, Anchal Ashok Karemore :Letter to the editor Effect of pulsed electromagnetic field on the duration of orthodontic treatment, AJO Nov. 2022; 162, 5

52. Harshal Chandorikar, Wasundhara Ashok Bhad, :Impact of micro-osteoperforations on root resorption and alveolar bone in en masse retraction in young adults: A RCT ; International Orthodontics 2022/https://doi.org/10.1016/i.ortho.2022.100714

53. Dipak Khade, Wasundhara A. Bhad, Santosh Chavan, Aboli Muley, Shrutika Shekokar: Reliability of Salivary Biomarkers as skeletal Maturity Indicators - A Systematic Review; International Orthodontics 2022, https://doi.org/10.1016/i.ortho.2022.100716

54. Aboli Muley, Santosh Chavan, Wasundhara A. Bhad, Dipak Khade, Shrutika Shekokar: Effects of skeletal anchorage on mandibular rotation with fixed functional appliance therapy in class II malocclusion patients -A systematic review; APOS 2023; Mar'23

55. Swapnil Mangwade, Santosh Chavan, Wasundhara A. Bhad 'V' spring- for reactivation of NiTi open coil spring, JIOS

56. Nikita Baheti, Wasundhara Bhad : Guided tissue regeneration and orthodontic movement for treatment of pathological migration in aesthetic zone; Journal of Indian Society of Periodontology 2023, Aug'23

57. Shrutika Shekokar, Wasundhara A. Bhad, Santosh Chavan: Effects of Wear time monitoring devices on patient's compliance- A systematic review and Meta-analysis; Journal of clinical and Investigative Orthodontics 2023, July

58. Swapnil Mangwade, Vinay Dutta, Niyati Mehta, Wasundhara Bhad, Sattayam Wankhede, Arun Khalikar, Santosh Chavan ; A multidisciplinary digitally aided approach for treating arch length - tooth size discrepancy using combined orthodontics and Prosthodontics - A Case Report; The Journal of Prosthetic Rehabilitation | Vol: V | Issue: I | Jan-Dec 2023

59. Rishika Arya, Wasundhara A. Bhad, Santosh Chavan :Effect of Low-intensity Laser Therapy on Biomarkers during Orthodontic Tooth Movement - A Systematic Review; APOS March 2023

60. Evaluation of effects of Magnetic Twin block and conventional Twin block appliance therapy on mandibular length compared to control group in treatment of skeletal class II malocclusion: A randomized controlled trial; Journal of Orofacial Orthopedics

61. Niaz MD, Wasundhara Bhad, Santosh Chavan: Effect of accelerated Orthodontic tooth movement methods on clear aligner treatment- A systematic review;

## FACULTY (SPEAKER) -INTERNATIONAL AND NATIONAL CONFERENCES/WORKSHOP

1. "Prevention of malocclusion and oral habits at National oral health care Programme; Ministry of health and family welfare, Govt of India, held at Nagpur on 9th - 10th march 2002
2. "Teeth can last Forever-World health day programme "Health care in women after 40's " NGO Medical women organization on 7th April 2004
3. "Growth and Development 3 rd. Annual symposium on contemporary Orthodontics and Dentofacial Orthopedics held at Rural Dental college, Loni Dist. Ahmednagar (M.S.) on 16th Dec 2005
4. "Functional appliance facts and fallacies at 3 rd. Annual symposium on contemporary Orthodontics and Dentofacial Orthopedics held at Rural Dental college , Loni Dist. Ahmednagar (M.S.) on 17th Dec 2005
5. Removable appliances for you & me at 2nd scientific convention Rural Dental college , Loni Dist. Ahmednagar (M.S.) on 7th - 8th April 2010
6. Growth, camouflage & surgery-when & why? At workshop on Orthognathic surgery, VSPM Dental college, Nagpur; 20 th & 21 st July 2011
7. Duration of Functional appliance, Cl.II Div 2 -when & how to start  
At Meet the Elite-An International workshop on Class II correction, MGM Dental college. Navi Mumbai; July 27-29, 2012
8. Modified reverse Twin Block for early correction of Class III malocclusion 48 IOC  
Ahmadabad 22-25 Nov 2013
9. Dissertation-Topic selection & preparation- Is it real research or cut paste. GONION  
14, Rishiraj Dental College, Bhopal, 4th -5 th Jan 2014
10. Sleep Apnea-Orthodontist Role, CME- Sleep Update 2014, Nagpur, 14th Mar 2014
11. The effect of Orthodontists and Orthodontic Residents Education on Professional Attitudes and Behaviour , 3rd SEARAME, Colombo, Sri Lanka, 14th Nov"14
12. Ortho Surge"15 Accelerated Orthodontics, Mumbai, 10th Jan:15
13. Management of Vertical problems , 19th IOS PG Convention,



- Bangaluru, 1st Mar'15
14. Management of Obstructive Sleep Apnea, 3th IOS Zonal PG Convention, Sangli, 10th Oct'15
15. Management of class III; 4th IOS Zonal PG convention, Vijaywada, AP; 5th & 6th Aug'16
16. Efficacy of mandibular advancement device in Obstructive sleep apnea; 39th APDC Macau (China) 23rd - 25th May'17
17. Functional appliance Bite registration; hands-on-workshop IOS postgraduate student orientation programme "Right start Right end-Enjoy the journey of 36 months"; Rural Dental College, Loni (PIMS) 7 & 8 Sept'17
18. Way to dissertation preparation: IOS postgraduate student orientation programme "Right start Right End-Enjoy the journey of 36 months"; Rural Dental College, Loni (PIMS) 7 & 8 Sept'17
19. Functional appliance viva: IOS postgraduate student orientation programme "Right start Right End-Enjoy the journey of 36 months"; Rural Dental College, Loni (PIMS) 7 & 8 Sept'17
20. Achieving excellence in research - PG Orientation Programme, 12th June'18, GDCH, Nagpur
21. Dissertation Writing, 30th June'18, GDCH, Nagpur
22. Airway Orthodontics-A Paradigm Shift: 23rd IOS PG Students Convention, ITS Greater Noida (Delhi) 21st-24th Feb'2019
23. Library Dissertation Writing, 6th March'19; Research Methodology workshop, GDCH, Nagpur
24. Functional Appliance -Viva Voce, 26th March'19, Rural Dental College, Loni (PIMS)
25. Benefits of Research at UG Level; 28th Aug.'19; GDCH, Nagpur
26. Hands-on-workshop "A to Z on Functional & Orthopedic Appliances"; 19th September'19; IOS Zonal Orthodontic PG Convention, Sri Hasanamba Dental College & Hospital, Hassan, Karnataka, India
27. "Research as a career" at Intern Orientation Programme, 23rd Sept.'19; VSPM Dental College, Nagpur
28. "Patient Compliance in Tropical countries- Ortho Engineering to Rescue" 24th Nov.'19 54th IOC, Bhubaneswar.
29. "Surgical management of Sleep Apnea"- Pulmo Sleep Meet, 7th & 8th March'20
30. "Dental Sleep Medicine"-Webinar dt. 13.04.2020; Pravara Dental College, Loni
31. Management of Malocclusions - Rapid revision lecture MUHS DT. 20.05.20
32. "Way to Dissertation" Webinar dt. 26.09.20, IOS P Orientation, DMIMS, Sawangi
33. "Contemporary management of vertical malocclusion" -IOS Digital conference **Ortho Byte 2020** dt. 05.12.2020
34. "Functional appliance: Path ahead"- Webinar Orthodontic Finish line, Ragoonwala Dental College, Pune dt. 17.04, 2021
35. Achieving excellence in research - PG Induction & Orientation Program, 30th Nov'21, GDCH, Nagpur

36. Case based treatment planning in Orthodontics-Interns Orientation Program, 21st Jan'22, GDCH, Nagpur
37. Accelerated Orthodontics: The Future- Bhubaneswar Orthodontic Study Group ;8TH Mar'22
38. Why Research? - Interns & Postgraduate Program, LONI;25th May 2022
39. Let Equality Bloom -UG students GDCHN, 14<sup>th</sup> June'22
40. Intern orientation program, GDC&H MUMBAI 15<sup>th</sup> Sept 2023
41. Post Graduate orientation program- GD&H, Mumbai 12<sup>th</sup> Oct 2023
42. National Education Policy 2020 & Dental Education - DMER-GDCHN, Education & Research Summit 2024; 5<sup>th</sup> Feb 2024
43. Why Research at UG level - 'First Research Undergraduate Conference -Explora Unveiling Innovative Insights'; GDC&H, Mumbai 05<sup>th</sup> April'24
44. Clinical Research -Need of the Hour; KLE & Bangalore Orthodontic Study Group, Bangalore, 30<sup>th</sup> April'24

## **PROGRAM ORGANISED**

1. Preadjusted Edgewise Mechanics (Hands-on course)- Dr.M.K. Prakash & Dr.R.S. Sable 27<sup>th</sup> - 29<sup>th</sup> June 1997, GDC Nagpur
2. Management of cleft lip & palate & Twin block appliance fabrication & management- Dr. O.P. Kharbanda 18<sup>th</sup>- 19<sup>th</sup> Sept 1998, GDC Nagpur
3. Refinements in the Begg's technique- Dr. V. P. Jayade 21<sup>st</sup> Dec 2001, GDC Nagpur
4. Conventional edgewise mechanics- Dr. S. Jain 7<sup>th</sup> May 2002, GDC Nagpur
5. Roth principles- Dr. Wadkar & Management of cleft lip & palate- Dr. Karia 21<sup>st</sup> Dec 2003, GDC Nagpur
6. Leveling & alignment- Dr. Sable 28<sup>th</sup> April 2004, GDC Nagpur
7. Hands On Course on PEA- Dr. Ashok Karad 8-9<sup>th</sup> Jan 2005, Sawangi, Wardha
8. Contemporary practice of refined Begg's technique- Dr. Girish Karandikar 3<sup>rd</sup> Feb 2006, GDC Nagpur
9. Preparation for IBO exam- Dr. E.T. Roy, Dr. Gauri Vichare 3<sup>rd</sup> April 2007, GDC Nagpur
10. 42<sup>nd</sup> Indian Orthodontic Conference, Nagpur 4-6<sup>th</sup> Jan 2008, Nagpur
11. Microimplants- Dr. Kharbanda 6<sup>th</sup> July 2009, GDC Nagpur
12. Two-day hands-on workshop on basic edgewise & PEA wire bending- Dr. Ashima Valiathan, 14<sup>th</sup> & 15<sup>th</sup> 2009, SPDC Sawangi, Wardha
13. 3D- Lingual Workshop- Hands-on & Live demonstration 30<sup>th</sup> - 31<sup>st</sup> Oct 2010 GDC Nagpur
14. Workshop on orthognathic surgery 20<sup>th</sup>-21<sup>st</sup> July 2011 at

VSPM dental College, Nagpur

15. INDOCLEFTCON 2013 -Preconferance Workshop on 17 th January 2013 organized in GDCH,Nagpur
- 16.Hands -on-workshop on Clinical Photography On Sept'2014
- 17.Inter Collegiate Clinical Meet on Surgical orthodontic case discussion on 6th Oct'17
18. GDC Orthodontist Alumni Meet On 7-8 Oct'2017
19. Golden Jubilee of Government Dental College & Hospital, Nagpur 23rd Dec'2017
20. Comprehensive cleft care symposium at, GDCH Nagpur 25th Jan2019-Scientific coordinator
21. Workshop on Advanced Orthodontic Appliances -Self ligating & AlignerSystems, GDCH, Nagpur 17th Sept'19
22. Release of compiled "Undergraduate Work Performance Record Book", GDCH, Nagpur 5th October '21
23. Release of "Patient Education Videos" by the Department of Orthodontics, GDCH, Nagpur 5th October' 21
24. Newspaper series -Maharashtra Times on "Patient"s awareness" by the Department of Orthodontics, GDCH, Nagpur 22nd - 26th Nov' 21
25. Release of "Patient Awareness Posters" by the Department of Orthodontics, GDCH, Nagpur, Directorate Medical Education & Research,26.12.21
26. Release of "Patient Awareness Posters" by the Department of Orthodontics, GDCH, Nagpur, Directorate Medical Education & Research,17.2.22
27. Release of "Patient Awareness Posters" by the Department of Orthodontics, GDCH, Nagpur, Directorate Medical Education & Research,,24.2.22
28. World Orthodontic Health Day celebration dt.15-17th May 2022
29. Let Equality Bloom -UG students GDCHN, 14 th June'22
- 30.Organising Chairmen of National Dental Education Technology Workshop on Technology Enabled Learning & Assessment, GDCH Nagpur dt.16 & 17 March 2023.

### **NATIONAL CONFERENCES AND WORKSHOP ATTENDED**

1. 27th Indian Orthodontic Conference; Lucknow Nov 3rd - 5th 1992
2. 28th Indian Dental Conference; Nagpur 21st- 25th Jan 1994
3. 29th Indian Orthodontic Conference; Kodaikanal, 23rd - 26th Sept 1994
4. Refreshers course-MET,Hosp. adm.Recent concepts-dentistry14th April- 9th May 1997 at GDC Nagpur
5. International Orthodontic Congress and 35th Indian Orthodontic Conference, Jaipur16Th - 19th Nov 2000
6. Research funding opportunities through ICMR & MUHS & Hands-on training in protocol writing ,19th April 2004, GMC Nagpur
7. Applications of Advanced Digital Technologies in Orthodontics,

Dharwad, 16 Th -18th July 2004

8. Workshop: " A Comprehensive Course on Pre-Adjusted Edgewise Appliances "Wardha, 8th - 9th Jan 2005.
9. 3rd World Edgewise Orthodontic Congress and 40th Indian Orthodontic Conference, Chandigarh 11th -13th Nov 2005.
10. 10 Th PG Convention, New Delhi, 24th -27th March 2007.
11. 42nd Indian Orthodontic Conference, Nagpur 4th -7th Jan 2008.
12. 62nd Indian Dental Conference, Nagpur 12th -15th Feb 2009.
13. Workshop: Basic Edgewise wire bending Sawangi -Wardha 15 -16 Dec'09
14. 45th IOC -Indian Orthodontic Conference, Mangalore 17-19th Dec 2010
15. Anchorage in orthodontics- 7th Annual symposium 3rd- 4th Mar 2011 at Rural Dental College, Loni
16. 48 IOC -Indian Orthodontic Conference, Ahamdabad 22nd - 25th Nov 2013
17. 3<sup>rd</sup> SEARAME, Colombo, Sri Lanka; 14 - 16 Nov'14
18. 50th IOC -Indian Orthodontic Conference, Hyderabad 11th - 13th Dec 2015
19. 39th APDC, Macua, China; 22 - 25 May'17
20. 52nd IOC -Indian Orthodontic Conference, Jaipur 17th - 19th Nov 2017
21. 2018 Annual Session by American Association of Orthodontist (AAO); Washington DC; 4TH - 6TH May'18
22. Symposium on Fixed Functional Appliance, Amravati, 1st Aug'18
23. National conference on DIGITAL Dentistry: CAD, CAM AND CAE; VNIT Nagpur, 10th - 11th Aug'18
24. Comprehensive cleft care symposium on, GDCH Nagpur 25th Jan 2019
25. 23rd IOS PG Students Convention, 21st -24th Feb'19; ITS Greater Noida(Delhi)
26. 54th IOC, Bhubaneshwar, 22nd - 24th Nov'19
27. Orthodontic Innovation Conclave 2021 of IOS - 18th & 19 th June 2021 Session Moderator
28. Exploring New 8 Branches in Dentistry - DMER, Mumbai 21st Dec 2021
29. Grandeur 2022, IOS symposium on case reports; 3RD & 4TH July 2022
30. Clinical Photography & Tiger Trait: 25th-28th March'22 at Tadoba Tiger Reserve
31. 56th IOC, Pune, 16th - 18th Sept. 22 - Chairperson
32. Curriculum Enrichment Programme - 1st & 2nd August'22
33. National Dental Education Technology Workshop on Technology Enabled Learning & Assessment, GDCH Nagpur dt. 16 & 17 March 2023
34. DMER-GDCH Summit on Dental Education & Research .GDCH Nagpur dt 05.02.24