

PUBLICATIONS OF DEPARTMENT OF ORTHODONTICS

SR. NO.	YEAR	TITLE	AUTHORS	JOURNAL
1	2026	Generation and validation of a new linear regression equation of mandibular first permanent molar and its comparative evaluation for predictive accuracy with already established regression equation of cervical vertebrae: A radiographic study	Dr Ananya Hazare	International Journal of Basic Clinical Pharmacology
2	2026	Assessment and Correlation of the Vitamin - D level with Growth Status as measured by the cervical vertebral maturation Index and Insulin -like Growth Factor 1 Level in 10-14year old patients	Dr Ananya Hazare	Cureus
3	2026	Comparative Diagnostic Accuracy of Spheno-occipital Synchondrosis and cervical vertebral Maturation Index in Predicting Mandibular Growth Parameters in Adolescents: A Systemic Review and Meta-Analysis	Dr Ananya Hazare	Cureus
4	2026	Association Of Mid Palatal Suture Ossification with CVMI and Mineralization Of permanent maxillary canine and permanent maxillary 2 nd molar using Nolla's tooth development stages in Normodivergent, Hypodivergent and Hyperdivergent Growth Patterns- A cone beam computed tomography study	Dr Ananya Hazare	Journal of Chemical Health Risks
5	2026	Skull thickness changes in skeletal deep bite: Implications for orthodontic treatment planning- A comparative cohort observational study.	Dr Ananya Hazare	Veredas Journal

6	2026	Longitudinal Evaluation of Occupational Postural Risk, Ergonomic Adaptation, and Cervico-Musculoskeletal Symptoms among Oral Healthcare Clinicians	Dr. Siddharth Sonwane	Veredas Journal
7	2026	3D evaluation of the airway space in patients with cleft lip & palate as compared to controls	Dr. Himija Karia	Journal of the World Federation of Orthodontists
8	2026	Growth changes in the oro-pharyngeal airway in patients with CLP: The Compensation Hypothesis	Dr. Himija Karia	Journal of the World Federation of Orthodontists

9	2025	Transforming orthodontics with artificial intelligence: A comprehensive review. Journal of Advances in Dental Practice and Research. Vol3. Issue 2. July-Dec 2025.	Dr. Sanika Thakur Dr. Usha Shenoy	Journal of Advances in Dental practice and Research
10	2025	Management of Malaligned Dentition with Overretained Deciduous teeth by Routine Non Extraction Fixed Orthodontic Treatment – A Case Report. Indian Probe Journal. Vol 2025(1)	Dr. Manali Jaiswal Dr. Usha Shenoy	Indian Dental association
11	2025	Clear Aligners: Revolutionising Orthodontic care for New Generation. Indian Probe Journal. Vol 2025(1)	Dr. Aditya Vaidya Dr. Usha Shenoy	Indian Dental association
12	2024	Evaluation of Change in Length, Volume and fibre orientation of Masseter muscle in growing skeletal class II subjects before and after use of Twin Block Appliance. African Journal of Biological Sciences	Dr. Joytshna Shinde Dr. Ananya Hazare	African Journal of Biological sciences
13	2024	Evaluation of the distortion of essix retainers formed from biostar machine using intra oral digital scanner: An Invitro study. (CUREUS) 2024.	Dr. Mahima Sehgal Dr. Usha Shenoy	Cureus
14	2024	Evaluation & comparison of force degradation levels between elastomeric chains & active tiebacks with elastic modules during canine retraction. (CUREUS) 2024.	Dr. Sanika Thakur Dr. Usha Shenoy	Cureus
15	2024	Evaluation the mesiodistal angulations of maxillary and mandibular permanent canines , 1 st premolar , 2 nd premolar , 1 st molar and 2 nd molar in relation to infraorbital and bigonal planes in Angles Class I , Class II, Class III malocclusions seen in Panoramic radiographs. Journal of Chemical Health Risks (JCHR) 2024	Dr. Joytshna Shinde Dr. Ananya Hazare	Journal of Chemical Health Risks

16	2024	Using a Portable Ventilator Airway Screening (PVAS) Device to Evaluate the Difference Between Upper Airway Breathing Pressure and Respiratory Flow in Skeletal Class I and Class II Growing Individuals with Retrognathic Mandible. (CUREUS) 2024.	Dr. Ananya Hazare	Cureus
17	2023	Colour Stability of Different Aesthetic Arch Wires in Beverages Consumed During the COVID-19 Era: An In Vitro Study. (CUREUS) 2023	Dr. Sharvari Khedkar Dr. Usha Shenoy	Cureus

18	2023	Role of social media filters as a motivational factor for seeking orthodontic treatment: A Questionnaire Study. International Journal of medical sciences and current Research (IJMSCR) Jan- Feb 2023.	Dr. Sanjeevani Kamdi Dr. Usha Shenoy	International Journal of Medical Science and current Research
19	2023	Role of Growth Hormone Therapy in Craniofacial Development of Children with or without Growth Hormone Deficiency- A Systematic Review. Journal of Indian Orthodontic Society (JIOS) 2023	Dr. Sharvari Khedkar Dr. Usha Shenoy	Journal of Indian Orthodontic Society
20	2023	Orthodontic Treatment using segmental T Loop for Correction of Ectopically erupting Canine: A Case Report. International journal of Research in Medical Sciences (IJRMS) 2023	Dr. Nivedita Nandeshwar	International Journal of Research in Medical Sciences

21	2022	Comparative Evaluation of PVAS device in measuring the variations in pressure, volume and airflow velocity during breathing in skeletal class II horizontal and vertical cases with those observed in skeletal class I	Dr. Ananya Hazare	International Journal of medical sciences and current Research
22	2022	Covid -19 Economical impact on orthodontic practice in first wave versus second wave in India – A questionnaire study	Dr. Sujoy Banerjee	International Journal of medical sciences and current Research

23	2021	Idiopathic condylar resorption – A review	Dr Sujoy Banerjee	International journal of medical science and current research
24	2020	A breakthrough in Class III stereotypes- maxillary traction bow appliance – a case report	Dr. Usha Shenoy	International Journal of Scientific research
25	2020	Assessment of relationship of lingual frenum to the mandibular inter canine line: A landmark for stability	Dr. Usha Shenoy	International Journal of Scientific research
26	2020	Association between genetic polymorphism in Interferon regulatory factor 6 (IRF6) and Non-syndromic cleft lip and palate cases in central Indian population	Dr. Ananya Hazare	Journal of Evolution of Medical and Dental Sciences
27	2020	Effect of rate of third molar impactions on mandibular arch crowding in skeletal Class I patients	Dr. Sujoy Banerjee	International Journal of Scientific research
28	2020	Esthetic rehabilitation and functional restoration of mutilated dentition by an interdisciplinary approach: a case report	Dr. Pritam Khorgade	International Journal of Scientific research
29	2020	Pereception of layperson to appearance of orthodontic appliances their acceptance and value for money: a questionnaire study	Dr. Sujoy Banerjee	International Journal of Contemporary Medical Research
30	2020	Accelerating orthodontic tooth movement – A review	Dr, Sujoy Banerjee	Global Journal for research analysis
31	2019	Comparative Evaluation of Biomechanical Performance of Titanium and Stainless Steel Mini Implants at Different Angulations in Maxilla: A Finite Element Analysis, Journal of Indian Orthodontic Society 53(3)197–205,2019	Dr. Kshitij Sabley, Dr. Usha Shenoy, Dr. Sujoy Banerjee, Dr. Pankaj Akhare, Dr. Ananya Hazarey, Dr. Himija Karia	Journal of Indian Orthodontic Society
32	2019	“A“ Loop : A New Loop for Management of Impacted or Ectopically Erupted Canines, Case Report Journal of Pierre Fauchard Academy (India Section), Vol33(1)2019	Dr. Ananya Hazarey, Dr. Usha Shenoy	Journal of Pierre Fauchard Academy

33	2018	Effect of orthodontic pain on quality of life of patient under going orthodontic treatment. Indian Journal of Dental Research 2018;29:4-9	Dr.Usha Shenoy	Indian Journal of Dental Research
34	2018	The shape and size of sellar urticinal skeletal class I, II & III patients of Central India population. Journal of applied dental and medical sciences. Vol.4 Issue2 April-June, 2018	Dr.Usha Shenoy, Dr.Pankaj Akhare, Dr.Sujoy Banerjee, Dr.Ananya Hazare, Dr.Himija Karia, Dr.Sangita Bhattacharya	Journal of applied dental and medical sciences
35	2018	Comparison between the Wits appraisal, the Beta angle and Yen angle in assessing the antero-posterior jaw relation : Cephalometric study. Contemporary research journal of medical sciences 2018;1(1):64-71	Dr.Usha Shenoy, Dr.Pankaj Akhare, Dr.Sujoy Banerjee, Dr.Ananya Hazare, Dr.Sangita Bhattacharya	Contemporary research journal of medical sciences
36	2018	Angle of maxillary central incisor in patients with Angle's class I, class II division 1 and class II division 2 malocclusions – A cephalometric study. Contemporary research journal of medical sciences 2018 June 2(1):1-8	Shenoy, Dr.Pankaj Akhare, Dr.Sujoy Banerjee, Dr.Ananya Hazare, Dr. Himija Karia, Dr.Sangita Bhattacharya	research journal of medical sciences

37	2018	Evaluation and comparison of the morphological dimension of mandibular symphysis in skeletal class I and class II individuals with different growth patterns: A cephalometric study. International journal for research in health sciences and nursing. Vol 4, Issue 7, July 2018	Dr. Usha Shenoy, Dr. Pankaj Akhare, Dr. Sujoy Banerjee, Dr. Ananya Hazare, Dr. Himija Karia, Dr. Sangita Bhattacharya	International journal for research in health sciences and nursing
38	2018	Assessment of Myeloperoxidase Activity at Different Force Levels in Gingival Crevicular Fluid during Initial Phase of Orthodontic Tooth Movement; Journal of Indian Orthodontic Society October 17, 2019	Dr. Usha Shenoy, Dr. Sujoy Banerjee, Dr. Ananya Hazare, Dr. Himija Karia	Journal of Indian Orthodontic Society
39	2018	Multidisciplinary approach for management of dentofacial deformity of a patient with Goldenhar syndrome; published in Journal of Indian Orthodontic Society 2018; 52(5):34-39	Dr. Usha Shenoy, Dr. Himija Karia	Journal of Indian Orthodontic Society
40	2018	Editorial titled "Orthodontic Awareness" published in EC Dental Science 2018; 17(10):1-2	Dr. Himija Karia	EC Dental Science
41	2018	Relationship Between Arch Width And Vertical Facial Morphology In Untreated Adults Of Nagpur Population, Contemp Res J Med Sci 2018 June 2(1):29-41	Dr. Anjali Khedkar, Dr. Usha Shenoy, Dr. Pankaj Akhare, Dr. Sujoy Banerjee, Dr. Ananya Hazare,	Contemp Res J Med Sci

			Dr. Himija Karia, Dr. Sangita Bhattacharya	

42	2018	Perception of orthodontist ondistalization and extraction in borderline case - questionnaire study ;Contemp Res J Med Sci20182(1):49-56	Dr.DevyaniSan gai,Dr.Sujoy Banerjee,Dr.Us haShenoy,Dr. Ananya Hazarey,Dr. HimijaKaria,Dr.P ritamKhorghade, Dr.Sangeeta Bhattacharya	ContempResJMedS ci
43	2018	Assessment of knowledge on use of research methodology among central india orthodontic postgraduate students;Contemp ResJ MedSci20182(1):49-56	Dr. NiteshMahaton, Dr.PankajAkhar e,Dr. Usha Shenoy,Dr.Sujo yBanerjee,Dr.A nanyaHazarey,D r. HimijaKaria, Dr.Sangeeta Bhattacharya, Dr.Pritam Khorghade	ContempResJMedS ci
44	2017	Non surgical management of openbite : State of Art Review – Contemporary Research Journal of Medical Sciences,Vol1,2017	Dr.UshaShenoy	ContempResJMedS ci
45	2017	Assessment of myeloperoxidase activity at different force levels in the gingival crevicular fluid during initial orthodontic tooth movement,JIndianOrthodSoc2017; 51:75-80	Dr.UshaSheno y,Dr.SujoyBan erjee ,Dr.Ananya Hazarey,Dr.Himi jaKaria	J IndianOrthodSoc
46	2017	Implants in Orthodontics – areview.- International Journal of Oral Health and Medical Research,2017	Dr.UshaSheno y,Dr.SujoyBan erjee ,Dr.Ananya Hazarey,Dr.Himi jaKaria	International Journalof Oral Health andMedicalResearc h
47	2017	Threedimensional evaluation of	Dr.HimijaKaria	AmericanJournalof

		The airway spaces in patients with and without cleft lip and palate :A digital volume tomographic study; published in American Journal of Orthodontics and Dentofacial Orthopedics 2017: 152:371-81.		Orthodontics and Dentofacial Orthopedics
48	2016	Familial correlations and heritability of maxillary midline diastema, Central Indian Journal of Dental Sciences. Vol.7(1) Jan-Apr 2016	Dr. Usha Shenoy, Dr. Pankaj Akhare, Sujoy Banerjee, Dr. Ananya Hazarey, Dr. Himi JaKaria	Central Indian Journal of Dental Sciences
49	2016	Ectopically erupted canines treated by segmental T loop mechanics-A case report. Central Indian Journal of Dental Sciences. 2016 Vol. 7(1) Jan-Apr	Dr. Usha Shenoy, Dr. Pankaj Akhare, Sujoy Banerjee, Dr. Ananya Hazarey, Dr. Himi JaKaria	Central Indian Journal of Dental Sciences
50	2016	Determination of root resorption associated with ectopically erupting or impacted maxillary permanent canines: A computed tomographic study; published in CIJDS. Vol 7(1), Jan-Apr 2016	Dr. Usha Shenoy, Dr. Pankaj Akhare, Sujoy Banerjee, Dr. Ananya Hazarey, Dr. Himi JaKaria	Central Indian Journal of Dental Sciences
51	2015	Cephalometric appraisal of tongue and related soft tissue in normal and open bite subjects at rest. Journal of Clinical and Diagnostic Research, 2015 Jan	Dr. Usha Shenoy, Dr. Pankaj Akhare, Sujoy Banerjee, Dr. Ananya Hazarey, Dr. Himi JaKaria	Journal of Clinical and Diagnostic Research
52	2015	Genetic Counselling. Dental Probe Journal, Vol 15(3) 2015, Pg 8-12	Dr. Ananya Hazarey	
53	2015	Assessment of position of mandibular canal in relation to mandibular plane in different growth patterns. Journal of Pierre Fauchard Academy	Dr. Ananya Hazarey	Journal of Pierre Fauchard Academy
54	2014	Brass wire technique for management of impacted molars.	Dr. Ananya Hazarey	Journal of Indian Orthodontic Society

		Journal of Indian Orthodontic society		
55	2013	Comparison of Landmark Identification and Linear and Angular Measurements in Conventional and Digital Cephalometry. International Journal of Computerized Dentistry 2013;16:1–15	Dr.Usha Shenoy, Dr.Pankaj Akhare	International Journal of Computerized Dentistry 2013
56	2013	Open – coil orthopaedic traction spring: An innovative approach for force delivery with face– mask therapy. International Journal of Health & Allied Sciences. Vol2; Issue2, Apr-Jun 2013	Dr.Usha Shenoy,	International Journal of Health & Allied Sciences
57	2013	Rationalization of mechanical factors affecting primary stability of orthodontic mini screw using engineering principles of simple machines. The Journal of Indian Orthodontic Society, April- June 2013	Dr.Usha Shenoy, Dr.Pankaj Akhare	The Journal of Indian Orthodontic Society,
58	2013	Cleft lip and palate- Improving lives through awareness. Journal of pharmaceutical and biomedical sciences 2013, June; 31(31): 1159-1163	Dr.Pankaj Akhare	Journal of pharmaceutical and biomedical sciences
59	2013	Immediate placement of dental implants in molar sites: A case series. JIACD, 2013	Dr.Pankaj Akhare	JIACD

60	2013	Assessment of positional variation of maxillary permanent first molar with respect to the infrazygomatic crest(key ridge)in skeletal class I ,II and III Cases. World Journal of Dentistry	Dr. Ananya Hazarey	. World Journal of Dentistry
61	2012	QuadBlockAppliance: Modifying temporary bite raising crown as a fixed functional approach for growth modification in skeletal class II division-1 malocclusion: A case report. IJCD S; March, 2012	Dr. Usha Shenoy	. IJCD S
62	2012	Comparison of incisor, molar and anterior facial height in normal, Angle class II Division 1 and class III malocclusion- A cephalometric study. J Ind Orthod Soc 2012; 46(4): 304-307	Dr. Pankaj Akhare	J Ind Orthod Soc
63	2012	Effect of the gingival display on posed smile with different facial forms: A comparison of dentist and patient concepts. Indian Journal of Dental Research, 23(5), 2012	Dr. Pankaj Akhare	Indian Journal of Dental Research,
64	2012	An inverted supernumerary tooth in nasal cavity of a cleft lip and palate patient- A case report; published in CIJDS. Vol 3(2), Apr-Jun 2012.	Dr. Himaja Karia	CIJDS
65	2011	Pre surgical management of unilateral cleft lip and palate in neonate: A clinical report. J Indian Prosthodont Soc 2011; 1(1): 71-76	Dr. Sujoy Banerjee	J Indian Prosthodont Soc

66	2011	A comparative evaluation of the shear bond strength of five different orthodontic bonding agents polymerized using halogen and light-emitting diode curing lights : An in vitro investigation. Indian Journal of Dental Research 2011;22(5)	Dr. Sujoy Banerjee	Indian Journal of Dental Research
67	2011	Evaluation of changes in nasal cavity after rapid palatal expansion on PA cephalogram & CT – A case study. Central India Journal of Dental Sciences, 2011, Vol 2(3) Sep	Dr. Pankaj Akhare	Central India Journal of Dental Sciences,
68	2011	Management of impacted teeth in	Dr. Pankaj	Journal of Clinical

		the orthodontic practice. Journal of Clinical and Diagnostic Research. 2011 August, Vol-5(4):894-898	Akhare	and Diagnostic Research
69	2011	Rapid Canine Retraction and Orthodontic Treatment with Dentoalveolar Distraction Osteogenesis. Journal of Clinical and Diagnostic Research. 2011 November (Suppl-2), Vol-5(7):1473-1477	Dr. Pankaj Akhare	Journal of Clinical and Diagnostic Research. 2
70	2010	Midpalatine suture ossification and skeletal maturation : A comparative computerized tomographic scan and roentgenographic study. Journal of Indian Academy of Oral Medicine and Radiology, April-June 2010, 22(2);81-87	Dr. Usha Shenoy	Journal of Indian Academy of Oral Medicine and Radiology
71	2010	Treatment of skeletal class II with Angle's class I malocclusion – Case Report. Dental Dialogue (Official Journal of IDAMSB) Jan – Mar 2010	Dr. Usha Shenoy	Official Journal of IDAMSB
72	2010	Treatment of Angle's class II Division 2 malocclusion – Case Report. Dental Dialogue (Official Journal of IDAMSB) Jan–Mar 2010	Dr. Usha Shenoy	Dental Dialogue (Official Journal of IDAMSB)
73	2010	Prosthetic rehabilitation of cleft compromised newborns : A review. Journal of clinical and diagnostic research. 2010 December; (4):3632-3638	Dr. Sujoy Banerjee	Journal of clinical and diagnostic research
74	2010	Ovate pontic design: An aesthetic solution to anterior missing tooth- A case report. . Journal of clinical and diagnostic research. 2010 August; (4):2996-2999	Dr. Sujoy Banerjee	Journal of clinical and diagnostic research