

RANJEET DESHMUKH DENTAL COLLEGE AND RESEARCH CENTRE, NAGPUR

List of Publications
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	Int J Basic Clin Pharmacol
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	JCHR
5	2026	Comparative Diagnostic Accuracy of Spheno-occipital Synchondrosis and cervical vertebral Maturation Index in Predicting Mandibular Growth	Dr Ananya Hazare	Cureus

		Parameters in Adolescents: A Systemic Review and Meta-analysis		
6	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	JCHR
7	2026	Skull thickness changes in skeletal deep bite: Implications for orthodontic treatment planning- A comparative cohort observational study	Dr Ananya Hazare	Veredas J
8	2026	Longitudinal Evaluation of Occupational Postural Risk, Ergonomic Adaptation, and Cervico-Musculoskeletal Symptoms among Oral Healthcare Clinicians	Dr. Siddharth Sonwane	Veredas J
9	2026	3D evaluation of the airway space in patients with cleft lip & palate as compared to controls	Dr. Himija Karia	JWFO
10	2026	Growth changes in the oro-pharyngeal airway in patients with CLP: The Compensation Hypothesis	Dr. Himija Karia	JWFO
11	2025	Evaluation of the Distortion of Essix Retainer Formed From Biostar Machine Using Intraoral Digital Scans : An In Vitro Study	Dr. Mahima Sehgal	Cureus
12	2025	Evaluation of change in length, volume and fiber orientation of masseter muscle in growing skeletal Class II subjects before and after use of Twin block appliance	Dr. Jyotshna Shinde	AFJBS
13	2025	Evaluation and comparision of Force Degradation levels Between Elastomeric chains and Active tiebacks with	Dr. Sanika Thakur	Cureus

		elasticsmodules during individual canine Retraction		
14	2025	Transforming Orthodontics with artificial intelligence : A comprehensive review	Dr. Sanika Thakur	JADPR
15	2025	Clear Aligners:Revolutionising Orthodontic Care For A New Generation	Dr Aditya Vaidya	Dental Probe
16	2025	Management of Malaligned Dentition With Overretained Deciduous Teeth By Routine Non Extraction Fixed Orthodontic Treatment-a Case Report	Dr Manali Jaiswal	Dental Probe
17	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.	Dr. Ananya Hazare Dr. Usha Shenoy	Cureus
18	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.	Dr. Ananya Hazare Dr. Jyotshna Shinde Dr. Usha Shenoy Dr. Himija Karia Dr. Pritam Khorgade Dr. Nivedita Nandeshwar Dr. Sangeeta Bhattacharya	Journal of Chemical Health Risks (JCHR)
19	2024	Evaluation & comparison of force degradation levels between elastomeric chains & active tiebacks with elastic modules during canine retraction.	Dr. Sanika Thakur Dr. Usha Shenoy Dr. Ananya Hazare Dr. Himija Karia Dr. Pritam Khorgade Dr. Nivedita Nandeshwar Dr. Sangeeta Bhattacharya	Cureus
20	2024	Evaluation of the distortion of essix retainers formed from biostar machine using intra oral digital scanner: An Invitro study.	Dr. Mahima Sehgal Dr. Usha Shenoy Dr. Ananya Hazare Dr. Himija Karia Dr. Pritam Khorgade Dr. Nivedita Nandeshwar Dr. Sangeeta Bhattacharya	Cureus
21	2023	Color Stability of Different Aesthetic Arch Wires in Beverages consumed During the COVID-19 Era: An In Vitro Study.	Dr. Sharvari Khedkar Dr. Usha Shenoy Dr. Ananya Hazare Dr. Himija Karia Dr. Pritam Khorgade Dr. Nivedita Nandeshwar Dr. Sangeeta Bhattacharya	Cureus
22	2023	Role of Growth Hormone Therapy in Craniofacial Development of Children with or without Growth Hormone Deficiency- A Systematic Review	Dr. Sharvari Khedkar Dr. Usha Shenoy Dr. Ananya Hazare Dr. Himija Karia Dr. Pritam Khorgade	Journal of Indian Orthodontic Society (JIOS)

23	2023	Orthodontic Treatment using segmental T Loop for Correction of Ectopically erupting Canine: A Case Report	Dr. Nivedita Nandeshwar Dr. Usha Shenoy Dr. Ananya Hazare Dr. Himija Karia Dr. Pritam Khorgade Dr. Nivedita Nandeshwar Dr. Sangeeta Bhattacharya	International journal of Research in Medical Sciences (IJRMS)
24	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
25	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
26	2021	Idiopathic condylar resorption – A review	Dr Sujoy Banerjee	International journal of medical science and current research
27	2020	A breakthrough in Class III stereotypes- maxillary traction bow appliance – a case report	Dr. Usha Shenoy	International Journal of Scientific research
28	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
29	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
30	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
31	2020	Esthetic rehabilitation and functional restoration of mutilated dentition by an interdisciplinary approach: a case report	Dr. Pritam Khorgade	International Journal of Scientific research
32	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

33.	2020	Accelerating orthodontic tooth movement – A review	Dr, Sujoy Banerjee	Global Journal for research analysis
	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
34	2019	“A“ Loop : A New Loop for Management of Impacted or Ectopically Erupted Canines, Case Report Journal of Pierre Fauchard Academy (India Section), Vol 33(1) 2019	Dr. Ananya Hazarey, Dr. Usha Shenoy	Journal of Pierre Fauchard Academy
35	2018	Effect of orthodontic pain on quality of life of patient undergoing orthodontic treatment. Indian Journal of Dental Research 2018; 29:4-9	Dr. Usha Shenoy	Indian Journal of Dental Research
36	2018	The shape and size of sellaturcicain skeletal class I, II & III patients of Central Indian population. Journal of applied dental and medical sciences. Vol.4 Issue 2 April-June, 2018	Dr. Usha Shenoy, Dr. Pankaj Akhare, Dr. Sujoy Banerjee, Dr. Ananya Hazarey, Dr. Himija Karia, Dr. Sangita Bhattacharya	Journal of applied dental and medical sciences
37	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 Hazarey, Dr. Sangita Bhattacharya	Contemporary research journal of medical sciences
38	2018	Comparative evaluation of collum	Dr. Usha	Contemporary

39		Angle of maxillary central incisor in patients with Angles class I, class II division 1 and class II division 2 malocclusions–Acephalometric 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
40	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
41	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
42	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
43	2018	Editorial titled “Orthodontic Awareness” published in ECDental Science 2018; 17(10):1-2	Dr. Himija Karia	ECDental Science
44	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 Khedekar, Dr. Usha Shenoy, Dr. Pankaj Akhare, Dr. Sujoy Banerjee, Dr. Ananya Hazare,	Contemp Res J Med Sci

			Dr.HimijaKaria, Dr.SangitaB hattacharya	
45	2018	Perception of orthodontist ondistalization and extraction inborderline case - questionnairestudy ;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
46	2018	Assessmentofknowledgeon useofresearch methodology amongcentralindiaorthodontic postgraduatestudents;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
47	2017	Non surgical management of openbite : State of Art Review –ContemporaryResearchJournalof MedicalSciences,Voll,2017	Dr.UshaShenoy	ContempResJMedS ci
48	2017	Assessmentofmyeloperoxidaseacti vity at different force levels inthe gingival crevicular fluid duringinitialorthodontictooth movement,JIndianOrthodSoc2017; 51:75-80	Dr.UshaSheno y,Dr.SujoyBan erjee ,Dr.Ananya Hazarey,Dr.Himi jaKaria	J IndianOrthodSoc
49	2017	Implants in Orthodontics – a review.-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
50	2017	Three dimensional 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 andDentofacialOrthopedics2017: 152:371-81.		Orthodontics andDentofacialOrthopedics
51	2016	Familialcorrelationsandheritability ofmaxillarymidlinediastema, Central Indian Journal ofDentalSciences.Vol.7(1)jan-apr2016	Dr.UshaShenoy,Dr.Pankaj Akhare,SujoyBanerjee ,Dr.Ananya Hazarey,Dr.HimijaKaria	Central IndianJournal of DentalSciences
52	2016	Ectopically erupted canines treatedby segmental T loop mechanics-Acase report. Central Indian JournalofDentalSciences.2016Vol. 7(1)Jan-Apr	Dr.UshaShenoy,Dr.Pankaj Akhare,SujoyBanerjee ,Dr.AnanyaHazarey,Dr.HimijaKaria	Central IndianJournal of DentalSciences
53	2016	Determinationofrootresorption associated with ectopicallyerupting or impacted maxillarypermanent canines: A computedtomographic study; published inCIJDS.Vol7(1),Jan-Apr2016	Dr.UshaShenoy,Dr.Pankaj Akhare,Sujoy Banerjee ,Dr.Ananya Hazarey,Dr.HimijaKaria	Central IndianJournal of DentalSciences
54	2015	Cephalometricappraisaloftongueand related soft tissue in normaland openbite subjectsatrest. JournalofClinicaland DiagnosticResearch,2015jan	Dr.UshaShenoy,Dr.Pankaj Akhare,Sujoy Banerjee ,Dr.AnanyaHazarey,Dr.HimijaKaria	JournalofClinicaland DiagnosticResearch,
55	2015	GeneticCounselling .DentalProbe Journal,Vol15(3)2015,Pg8-12	Dr.Ananya Hazarey	
56	2015	Assessment of position ofmandibular canal in relation tomandibular plane in differentgrowthpatterns.JournalofPierreFauchardAcademy	Dr. AnanyaHazarey	Journal of PierreFauchardAcademy
57	2014	Brasswiretechniquefor managementofimpactedmolars.	Dr.Ananya Hazarey	JournalofIndian Orthodonticsociety

		Journal of Indian Orthodontic society		
58	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
59	2013	Open – coil orthopaedic traction spring: An innovative approach for forced delivery with face–mask therapy. International Journal of Health & Allied Sciences. Vol 2; Issue 2, Apr–Jun 2013	Dr. Usha Shenoy,	International Journal of Health & Allied Sciences
60	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,
61	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
62	2013	Immediate placement of dental implants in molar sites: A case series. JIACD, 2013	Dr. Pankaj Akhare	JIACD
63	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
64	2012	Quad Block Appliance: Modifying temporary bite raising crown as a fixed functional	Dr. Usha Shenoy	. IJCDs

		approach for growth modification in skeletal class II division-1 malocclusion: A case report. IJCDS; March, 2012		
65	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
66	2012	Effect of the gingival display on posed smile with different facial forms: A comparison of dentists and patients concepts. Indian Journal of Dental Research, 23(5), 2012	Dr. Pankaj Akhare	Indian Journal of Dental Research,
67	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. Himija Karia	CIJDS
68	2011	Pre surgical management of unilateral cleft lip and palate in a neonate: A clinical report. J Indian Prosthodont Soc 2011; 1(1): 71-76	Dr. Sujoy Banerjee	J Indian Prosthodont Soc
69	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
70	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,
71	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
72	2011	<i>Rapid Canine Retraction and Orthodontic Treatment with Dentoalveolar Distracti on Osteogenesis. Journal of C linical and Diagnostic Research. 2011 November (Suppl-2), Vol-5(7):1473- 1477</i>	<i>Dr. Pankaj Ak hare</i>	<i>Journal of Clinical and Diagnostic Research. ch.2</i>
73	2010	<i>Mid palatine 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</i>	<i>Dr. Usha Shenoy</i>	<i>Journal of Indian Academ y of Oral Medicine and Radiology</i>
74	2010	<i>Treatment of skeletal class II with Angle's class I malocclusion – Case Report. Dental Dialogue (Official Journal of IDAMSB) Jan – Mar 2010</i>	<i>Dr. Usha Shenoy</i>	<i>Official Journal of IDAMSB</i>
75	2010	<i>Treatment of Angle's class II Division 2 malocclusion – Case Report. Dental Dialogu e (Official Journal of IDAMSB) Jan–Mar 2010</i>	<i>Dr. Usha Shenoy</i>	<i>Dental Dialogue (Officia l Journal of IDAMSB)</i>
76	2010	<i>Prosthetic rehabilitation of cleft compromised newborns: A review. Journal of clinical and diagnostic research. 2010 December; (4):3632- 3638</i>	<i>Dr. Sujoy Banerje e</i>	<i>Journal of clinical a nd diagnostic research h</i>
77	2010	<i>Ovate pontic design: An aesthetic solution to anterior missing tooth- A case report. Journal of clinical And diagnostic research. 2010 August; (4):2996- 2999</i>	<i>Dr. Sujoy Banerje e</i>	<i>Journal of clinical a nd diagnostic research h</i>