

Ranjeet Deshmukh Dental College and Research Centre, Nagpur
List of Ongoing Research Projects (2023-2024)

Sr. No.	Name of Principal Investigator	Title of Research Project	Date of IEC Approval
<u>Department of Conservative Dentistry & Endodontics</u>			
1	Dr Sayali Ukey	Comparative evaluation of three different activation techniques on reduction of microbial load: A randomized controlled trial after endodontic treatment	13/4/24
2	Dr Shweta Rathi	Comparative assessment of 3 different irrigation activation techniques on post operative pain after	13/04/24
<u>Department of Pediatrics and Preventive Dentistry</u>			
3	Dr. Saniya Budhani	Comparative evaluation of clown therapy and conventional behavioural management technique on dental anxiety and postop pain in 6-8 year old children: An experimental study	19/08/23
4	Shruti Pathak	Assessment of knowledge and awareness of paediatricians regarding impact of premature loss of primary teeth.	19/08/23
5	Dr. Vaishnavi Game	Comparative evaluation of transpapillary injection technique as a substitute for palatal infiltration during extraction of primary maxillary molars in 5-8 years old children: A randomized clinical study.	21/3/24
6	Dr. Juili Dorlikar	Effect of pre-operative use of VR google on dental anxiety in 6-8 year old children undergoing Restorative treatment- A randomized clinical study.	21/3/24
7	Dr Jayu Mohan Gawande	Inter-relation between acquired oral flora of infant during 1 st 48 hours of life: A microbial comparative study	13/4/24
8	Dr. Pooja Rathi	PDP tactile audio scale: an innovative dental anxiety scale for visually impaired children	17/1/24
9	Dr. Ayushi Gurharikar	Comparative evaluation of acupressure and aromatherapy on pain during IANB injection in children aged 6-10 year old: an experimental	17/1/24

		study	
10	Dr. Samiksha	Comparative evaluation of virtual reality and conventional distraction in management of gag reflex during maxillary impressions in 5-8 year old children: A randomized control trial	21/3/24
<u>Dept of Oral Medicine & Radiology</u>			
11	Dr. Bushra Siddhique	Evaluation of prevalence of recurrent apthous ulcer in dental students.	20/07/23
12	Sneha Ugale	'Padmasadhna Protocol'- A unique way to maintain health in dental practice.	19/08/23
13	Dr. Anwasha Ramteke	Comparative assessment of knowledge, attitude and practice about oral hygiene among physiotherapy and medical students of Nagpur.	20/10/23
14	Dr. Tapasya Karemore	Accuracy and utility of 'SMART TMJ device' as chairside TMJ examination tool.	11/12/23
15	Dr. Bushra Siddiquee	Evaluation of effectiveness of CBCT in detection of early periodontitis in young adult cigarette smokers and non-smokers: A comparative study.	12/1/24
16	Dr. Mukta Motwani	Evaluation of efficacy of Soothoral gel containing Psidium Guajava extract, Matricaria Chamomilla oil and Cucurbita pepo oil in Recurrent Aphthous Stomatitis: A Randomized Controlled Trial.	12/1/24
17	Shruti Vaidya Aniket Upare	Knowledge and attitude regarding Diabetes Mellitus and its dental implication among non-teaching staff	24/6/24
18	Vedika Zubre Isha Baiswall	Correlation of Lip prints, Fingerprints and palm with gender, age and ABO blood group among population visiting to tertiary centre: a cross-sectional study.	24/6/24
19	Sejal Khudale	To evaluate the effect of nicotine free formulation in tobacco cessation: A randomized control trial	24/6/24
<u>Dept of Prosthodontics</u>			
20	Dr. Shachi Alsai	Design and development of a compact dental surveyor.	11/09/23
21	Dr. Jayashree Joshi	Influence of recasting on physical properties of base material alloy: An invitro study	07/12/23
22	Dr. Anita	Analysis of recycled alginate impression	07/12/23

	Kahar	material as a polishing agent for polymethacrylate denture base resins- an invitro study.	
23	Dr. Srushti Ghagas	Clinical evaluation of implant assisted removable partial dentures: An in vivo study.	12/01/24
24	Dr Saeesh Deshpande	Motivational profiles of dental students association with study efforts, stress and academic performance	13/04/24
25	Dr Jaishree Chahande	Association of readiness for self-directed learning and academic performance amongst final year dental undergraduates in prosthodontics	13/04/24
26	Simran Marwah	Evaluation of relationship between temporomandibular disorders and global body posture: A cross sectional study	13/04/24
27	Vishakha Pardhi	Learning environment perception of dental undergraduate: A cross sectional study	13/04/24
28	Sejal Mujariya	Knowledge, attitude and practice of piezosurgery in implants among dental postgraduates and practitioners in Nagpur region: a cross sectional study	13/04/24
29	Tanvi yerunkar	relationship between adult oral health literacy and socio-demographic factors regarding prosthetic treatment choices among the geriatric patients using relamnd-30	24/06/24
30	Dr. Ojas Gajbhiye	assessment of knowledge, awareness and practices towards the use of 3d printing in dentistry amongst dental practitioners and dental technicians in central maharashtra:a cross sectional study	14/05/24
31	Dr. Priti Jaiswal	Evaluation and efficacy of tongue print in diagnosing Temporoandibular disorder- An observational study.	14/05/24
32	Dr. Shreya Kukreja	Comparative evaluation between different facial anthropometric measurements with the mesiodistal width of maxillary anterior teeth: An observational study	14/05/24
33	Dr. Ruchita Kumbhare	Knowledge, attitude and practice about digital smile designing for aesthetic rehabilitation amongst dental postgraduate students – A questionnaire based study	14/05/24
34	Dr. Reena Nagrare	Relationship of severity and type of temporomandibular disorders and oral health	14/05/24

		related quality of life: A cross-sectional study	
35	Dr. Dheeraj Bhoyar	Knowledge, attitude and practices regarding intra oral scanners among Prosthodontists in central India	14/05/24
36	Dr. Srushti Ghaghas	Evaluation of influence of demographic factors on oral health related quality of life after prosthetic treatment of geriatric patients visiting Dental College	14/05/24
37	Dr. Pranoti Ranit	Development of validation of questionnaire to measure patient satisfaction with removable partial dentures	14/05/24
38	Dr. Krutika Borle	A questionnaire survey on various impression technique for Implant Prosthesis by different practitioner is in Vidarbha region	14/05/24
39	Dr. Shikha Chhangani	Knowledge, attitude and practice of gingival displacement for impressions in fixed prosthodontics- A need assessment survey	14/05/24
40	Dr. Shreyas Ingle	Assessment of xerostomia in patients: A questionnaire study as a screening tool for hyposalivation.	14/05/24
41	Pratiksha Dhadse	Knowledge and awareness of dental students about ozone therapy in dentistry	24/6/24
42	Vrushali Jogi	Assessment of time management among dental undergraduates and postgraduate students	14/05/24
43	Aditya Chavan	Knowledge and attitude towards Prosthodontics rehabilitation and utilisation of dental services by population of Nagpur city, India – Cross sectional study	24/6/24
44	Rasika Mate	Acquaintance about dental photography among dental postgraduate students in dental college of Nagpur region.	24/6/24
45	Gouri Jannawar	Knowledge, attitude and practice of ergonomics among dental students.	24/6/24
46	Parul Patel	Knowledge, Awareness and perception towards digital advances in dentistry amongst undergraduate students in Nagpur region:A cross sectional study	24/6/24
47	Dr Abhishek Torane	Knowledge, attitude and practice of digital dentures among dentists: A questionnaire based study.	24/6/24
48	Sakshi Jakhota	Minimal important difference in OHIP – 14 scores in prosthodontics pre-and post denture treatment	14/05/24

49	Sejal Mujariya	Knowledge, Attitude and Practice of Piezo surgery in implants among dental postgraduates and practitioners in Nagpur region: A Cross Sectional Study	12/01/24
50	Dhananjay Nagulkar	Assessment of knowledge and awareness of Artificial Intelligence (AI) technology in Implant placement among Dental Interns, Postgraduate Students and Dental Practitioners in Nagpur city.	12/01/24
51	Dimpal Jambhulkar	Effectiveness of various naturopathic treatment modalities to manage gag reflex during dental treatment: Analytical experimental study.	12/01/24
52	Pratiksha Dhadse	Knowledge and awareness about ozone therapy in dentistry among dental students	IEC/RDDC&RC/39/2024
53	Oshmi Jain	Correlation between alcohol use disorder and its detrimental effects on oral health: a cross sectional study	Dental/RDDC: IEC/1680/2023
<u>Dept of Orthodontics & Dentofacial Orthopedics</u>			
54	Dr. Nivedita Nandeshwar	Artificial Intelligence: Integrated use of Fingertip Pattern as a Tool for Identification of Dermatoglyphic Trait for detecting growth patterns in different skeletal malocclusion- A cross sectional study	11/12/23
55	Dr. Sanika Thakur	Comparison and Reliability of the Jarabak ratio and MSG angle with FMA in skeletal class I subjects with different growth patterns	14/5/24
<u>Dept of Periodontics & Implantology</u>			
56	Dr. Shivani Koli	Evaluation of osteostimulating effect of a Novel composite graft- An invitro study	07/12/23
57	Dr. Vrushali Lathiya	Formulation, invitro characterization and analysis of a novel Doxycycline Hyclate gel for its antimicrobial activity against periodontal pathogens	07/ 12/23
58	Dr. Dhanashree Ghoderao	Assessment of Meteorin-like protein and Visfatin level in serum and saliva in patients with hypothyroidism with and without type 2 diabetes: An observational study	07/12/23
59	Dr. Abhay Kolte	Sinus membrane Thickness in Periodontally healthy and Stage III Periodontitis and its	12/1/24

		correlation with anatomical parameters using CBCT.	
60	Dr. Abhay Kolte	Comparative evaluation of the Periodontal status, Xerostomia severity and Oral Health Related Quality of Life in Controlled and Uncontrolled Type 2 Diabetic patients.	12/1/24
61	Dr Surekha Rathod	Comparative evaluation of 5% melatonin gel in combination with platelet rich fibrin and platelet rich fibrin alone in the treatment of intrabony defect: A clinico- radiographic study	13/04/ 24
62	Dr Surekha Rathod	Comparative evaluation of hydroxyapatite nanoparticles with and without herbal gel in the treatment of periodontal intrabony defects: A clinico-radiographic study	13/04/2024
63	Dr Pranjali Bawankar	Evaluation of clinical efficacy of locally delivered vitamin D3 gel as an adjunct to non surgical periodontal therapy in the treatment of periodontitis	13/04/ 2024
64	Preshita Barai Yash Bhakkad	Comparative evaluation of effect of herbal based mouthwash in gingivitis patients: A randomized controlled trial	13/04/2024
65	Rubal Bhigade	Evaluation and comparison of anti-microbial efficacy of a novel herbal chewing gum containing neem extracts with doxycycline and chlorhexidine on periodontal pathobionts: An in-vitro microbiological study	13/04/2024
66	Shalaka Bodhankar	Assessment of periodontal health status in patients having metabolic syndrome(MetS)- A cross sectional study	13/ 04/ 2024
67	Dr. Kamalkishor Mankar	Comparative evaluation of waist, circumference and waist to height ratio in periodontally healthy, Stage III/IV periodontitis with and without type 2 Diabetes Mellitus	14/5/2024
68	Dr. Abhay Kolte	Evaluation and comparison of patient reported outcome measures and anti-plaque effectiveness of a novel herbal chewing gum containing neem extracts with placebo chewing gum: A double blind crossover, clinical trial.	14/5/2024