

Sr No	Certificate No	Title of Research Proposal	Name of Investigator	Remark
01	IEC/05/01	Evaluation of awareness about donning and doffing of Personal Protective Equipment(PPE) amongst dental undergraduate students	Ms.Aarti G.Nimbolkar	Approved
02	IEC/05/02	Myths about Orthodontic treatment amongst adults of Central India- A cross sectional study	Ms.Supriya Chimankar	Approved
03	IEC/05/03	Impact of Covid-19 pandemic on dental protocol- a questionnaire based study	Ms. Dhanashri Bundhade	Approved
04	IEC/05/04	Comparative Evaluation of parental perception and effectiveness of 360 kids U shaped & regular toothbrush in children- a cross sectional study	Ms Harshada Bhore	Approved
05	IEC/05/05	Comparative Evaluation of radiographic appearance of pulp treated by three different chemicals- an in-vitro study	Ms Madiha Syeda	Approved
06	IEC/05/06	Clinical consequence of untreated dental caries & it's impact on the quality of life among institutionalized children in Nagpur city- a cross sectional study	Mr Aniket Jinturkar	Approved
07	IEC/05/07	Evaluation of the ability to measure disease severity in Rhinomaxillary Mucormycosis by newly developed disease staging system based on Computed Tomography scans- An Analytical study	Mr Nikhil Shastrakar	Approved
08	IEC/05/08	Assessment of relationship between chronological age, dental age and salivary alkaline phosphatase in Indian children- a cross sectional study	Ms Nisha Pawale	Approved
09	IEC/05/09	Prevalence of pulpal disease among diabetes mellitus patients visiting tertiary care hospitals- an analytical cross sectional study	Ms Pallavi Ingle	Approved
10	IEC/05/10	Evaluation of esthetics outcomes, level of satisfaction and quality of life in Central Indian population with cleft lip and cleft palate- a cross sectional study	Ms Mansi Aswani	Approved
11	IEC/05/11	Identification of dental problems and approaches to solving them in underprivileged kids living in urban slums of Central India	Ms Nisha Yadav	Approved
12	IEC/05/12	Quality of life assessment among symptomatic third molar patients – a descriptive cross sectional study	Mr Saurabh Shile	Approved
13	IEC/05/13	Assessment of knowledge about oral precancers among undergraduate dental students- questionnaire based study	Ms Madiha Syed	Approved

14	IEC/05/14	Development of mobile app 'DENTMATE' for promoting awareness regarding oral health and diseases among the population	Ms. Soundarya Soundararajan	Approved
15	IEC/05/15	Risk factors associated with mucormycosis during Covid-19- a retrospective study	Mr Abhinav Alok	Approved
16	IEC/05/16	Evaluation of microbial contamination of aprons after ultrasonic scaling amongst dental healthcare professional- a comparative cross- sectional study	Mr Umesh Suroshe	Approved
17	IEC/05/17	Evaluation of patient's complaint after delivery of removable prosthesis- a questionnaire based survey	Mr Sagar Fulkey	Approved
18	IEC/05/18	Evaluation and correlation of Oral Cancer Phobia and anxiety on Oral Submucous fibrosis patient – a cross sectional study	Ms Gauri Somani	Approved
19	IEC/05/19	Assessment of Knowledge & Awareness of CAD CAM based prosthesis among general dental practitioner	Ms Mansi Shukla	Approved
20	IEC/05/20	Assessment of Illness perception amongst periodontal disease patients-a cross sectional study	Ms Mohini Maykar	Approved
21	IEC/05/21	Perception regarding the scope of periodontology in general dental practice amongst dental undergraduate students	Ms Dimple Malviya	Approved
22	IEC/05/22	Prevalence of temporomandibular joint disorder and its correlation with stress and new lifestyle changes among work from home population – a cross sectional study	Ms Tejaswini Phulbandhe	Approved
23	IEC/05/23	Knowledge,Attitude & Practice regarding the cigarettes and other tobacco products act (COTPA) in Undergraduate Student of Dental colleges in Central India	Ms Akansha Mendhe	Approved
24	IEC/05/24	Measuring oral health literacy among class 3 and class 4 workers in Government Dental College, Nagpur,Maharashtra	Ms Palsh Maheshwari	Approved
25	IEC/05/25	Scanning Electron Microscope study to assess the changes on the root surface topography of the simulated avulsed permanent tooth treated with citric acid after dry storage for 6 and 12 hours.	Dr Ritesh Kalaskar	Approved

26	IEC/05/26	Association between emotional intelligence and stress among undergraduate dental students.	Ms Apurva Sharma	Approved
27	IEC/05/27	Knowledge, awareness & Practice regarding the use of digital dentistry among undergraduate students in dental colleges of central India.	Ms Muskan Masumdar	Approved
28	IEC/05/28	Dental anxiety and its relation with satisfaction of dental services among patients visiting tertiary care hospital- a cross sectional study	Ms Taniya Tirpude	Approved
29	IEC/05/29	Evaluation of pulpal tissue remnants in biomechanically prepared root canals of extracted primary molars using methylene blue and gentian violet mixed with ultravist as a radio-opaque dye- an in-vitro study	Dr Ritesh Kalaskar	Approved
30	IEC/05/30	Age estimation by condyle cortication and spheno-occipital synchondrosis using cone beam computed topography- an observational study	Dr Rashmi Kulkarni	Approved
31	IEC/05/31	Assessment of the attachment and orientation of cultured human periodontal ligament cells (HPLC) on dehydrated, acid treated, simulated avulsed permanent tooth root surface	Dr Ritesh Kalaskar	Approved
32	IEC/05/32	Comparative Evaluation of the effect of different matrix metalloproteinase inhibitor on shear bond strength between composite and dentin- an in-vitro study	Dr Nilam Honaje	Approved
33	IEC/05/33	EVALUATION OF MICRO-RAMAN SPECTROSCOPY AS AN ADJUNCT OPTICAL DIAGNOSTIC TOOL IN ORAL POTENTIALLY MALIGNANT DISORDERS AND ORAL SQUAMOUS CELL CARCINOMA: AN IN-VITRO STUDY."	Dr Sneha Masne	PhD Approved
34	IEC/05/34	Estimation of age and gender based on atomic element analysis of extracted human teeth using laser induced breakdown spectroscopy- an in-vitro study	Dr Devendra Palve	Approved PhD
35	IEC/05/35	Prevalence of dental caries and its associated risk factors among 14-18 years adolescent population of rural schools in Nagpur division.	Dr Rajesh Shende	Approved
36	IEC/05/36	Comparative evaluation of stress distribution in immediately loaded	Dr Samiksha Lalsare	Approved

		implants of four different thread designs in posterior maxilla- a 3D Finite Element Analysis		
37	IEC/05/37	Comparative evaluation of effect of three different finish lines on marginal fit of CAD-CAM fabricated zirconia crowns using triple scan protocol- An in-vitro study	Dr Sukrit Taneja	Approved
38	IEC/05/38	A comparative assessment of the forces and movements generated with modified 3D curved strut bone plate and conventional two miniplates in unfavourable angle fracture- A finite element analysis	Dr Pooja Umathe	Approved
39	IEC/05/39	Awareness of orthodontic treatment among various healthcare professionals in Central India- a cross sectional study	Dr Komal Wadukle	Approved

Sr.no.	Title	Principal investigator	Department
1.	Comparative Evaluation of Marginal and Internal Fit of CAD-CAM Fabricated Graphene and Zirconia Crowns using Triple Scan Protocol: An In-Vitro Study	Dr Jithendra Potti	Prosthodontics
2.	Comparative Evaluation of marginal fit of 3D printed provisional crowns with two different build angles and layer heights using triple scan protocol - An In-vitro study	Dr Harshala Manchalwar	Prosthodontics
3.	Evaluation of Apical Dentin from Human Extracted Teeth for Age Estimation by Raman Micro-Spectroscopy. An In-vitro study.	Dr Akhil Varma	Oral pathology
4.	EVALUATION OF MiRNA-221-5p EXPRESSION AS A PREDICTIVE	Dr Ashwini Kendre	Oral pathology

	BIOMARKER OF METASTASIS IN ORAL SQUAMOUS CELL CARCINOMA WITH AND WITHOUT LYMPHOVASCULAR AND PERINEURAL INVASION- AN IN VITRO STUDY.		
5.	Comparative evaluation of stress distribution pattern between modified and conventional mouthguard on maxillary jaw when standardised forces are applied horizontally in a 14 year old child: A 3D Finite Element Analysis	Dr Ritesh Kalaskar	Pedodontics
6.	Evaluation of stress distribution pattern on anterior teeth and jaws using conventional and modified mouthguard on application of horizontal and vertical forces on maxillary anterior teeth and chin respectively in 20-year-old adult: A 3D Finite Element Analysis	Dr Ritesh Kalaskar	Pedodontics
7.	COMPARATIVE EVALUATION OF MICROHARDNESS IN BLEACHED ENAMEL USING NANO SILVER FLUORIDE AND CPP-ACPF AS REMINERALIZING AGENT – AN IN VITRO STUDY	Dr Nupur Ninave	Pedodontics
Sr.no.	Title	Principal investigator	Department
1.	COMPARATIVE EVALUATION OF GINGIVAL DISPLACEMENT PRODUCED BY TWO DIFFERENT CORDLESS RETRACTION SYSTEMS AROUND DENTAL IMPLANT	Dr Saloni Rustagi	Prosthodontics

	ABUTMENTS– A NON-RANDOMIZED CONTROLLED CLINICAL TRIAL		
2.	Comparison of Hard and Soft Tissue Changes Around Dental Implants with Xenogenic Collagen or Connective Tissue Grafts Using Radiographs and Intraoral Scanner: Randomized Controlled Trial.	Dr Sejal Mali	Periodontics
3.	Comparative Evaluation of Soft and Hard Tissues in Midcrestal flap, Buccal Roll Flap and Modified Punch Technique in Single Stage Dental Implant: Randomized Controlled Trial	Dr Payal Ninave	Periodontics
4.	Comparative Evaluation of Clinical and Radiological Outcomes using Crestal Approach Sinus Kit and Osseodensification by Densah Burs for Sinus Membrane Elevation – A Randomized Controlled Trial.	Dr Ayushi Nagdeve	Periodontics
5.	COMPARATIVE EVALUATION OF CARIOSTATIC AND ANTIBACTERIAL EFFICACY OF NANO SILVER FLUORIDE WITH SILVER DIAMINE FLUORIDE IN SPECIAL CHILDREN – A RANDOMIZED CONTROLLED CLINICAL TRIAL.	Dr Anija C K	Pedodontics
6.	Comparative evaluation of efficacy of modified and conventional mouthguard in preventing orofacial injuries in 8-14 years old children playing skating-A randomised control trial.	Dr Shivani Sawant	Pedodontics

7.	COMPARATIVE EVALUATION OF THE OROFACIAL INJURIES IN 8–14-YEAR-OLD CHILDREN PLAYING ROLLER SKATING WITH AND WITHOUT MOUTHGUARD – A NON-RANDOMIZED CONTROL TRIAL.	Dr Rashmi Dongarwar	Pedodontics
8.	A comparative evaluation of clinical performance of bulk-fill and preheated bulk-fill composite resin in class I compound lesions with ‘custom shield technique’ – A randomized controlled trial	Dr Shilpa Nirankari	Pedodontics
9.	A Comparative evaluation of contacts and contour of class 2 composite restorations in permanent mandibular molars using three different matrix system- A randomized controlled trial.	Dr Abeera V	Conservative Dentistry and Endodontics
10.	A Comparative evaluation of the effect of low-level LASER therapy, LASER-activated irrigation and preoperative Ibuprofen on post endodontic pain after single visit root canal treatment - A Randomized Controlled Trial.	Dr Aditi Wasule	Conservative Dentistry and Endodontics
11.	Comparison of Abdominal Dermal Fat Graft with Nasolabial Flap as Graft in Surgical Management of Advanced Oral Submucous Fibrosis: Randomised Controlled Trial	Dr Mehak Kataria	Oral surgery
12.	Evaluation of Masticatory Functional Efficiency in Closed vs Open Reduction and Internal Fixation of Isolated Dentate Mandibular Fracture: A Comparative Study.	Dr Prasad Godase	Oral surgery

13.	Comparative evaluation of Co2 laser and traditional scalpel in the surgical management of Oral potentially malignant disorder- A randomized controlled trial	Dr Vartik Shah	Oral surgery
14.	Comparative evaluation of Salivary Alkaline Phosphatase levels during single step vs two step mandibular advancement with Twin Block in growing children – A Randomized Clinical Trial	Dr Priyanka Badu	Orthodontics
15.	Effect of conventional Twin Block and LILT assisted Twin Block therapy on treatment duration and condylar volume in growing Class II patients– A randomized controlled clinical trial	Dr Anjali Kalekar	Orthodontics
16.	Evaluation of effects of Leukocyte - Platelet Rich Fibrin (L-PRF) and combination of Leukocyte - Platelet Rich Fibrin (L-PRF) & Low Intensity Laser Therapy (LILT) on the rate of canine retraction- A Randomized Control Trial	Dr Priyanka Tarde	Orthodontics
17.	Comparative evaluation of MicroRNA-375 in Oral Epithelial Dysplasia and oral squamous cell carcinoma –cross sectional study	Dr Divya Ghodichor	Oral pathology
18.	Comparative Evaluation of Effectiveness of Lignocaine patch and Lignocaine Injection in Management of Patients with Myofascial Pain Syndrome - A Randomised controlled trial	Dr Srishty Sneha	ODMR
19.	comparative evaluation of effectiveness of diclofenac sodium gel(3%)	Dr Shruti Saryam	ODMR



	phonophoresis and piroxicam gel (0.5%) phonophoresis in management of temporomandibular disorders - a single blind , randomized controlled trial.		
20.	Comparing The Effectiveness of Chlorhexidine, Chlorhexidine Plus Hyaluronic Acid and Distilled Water as Ultrasonic Scaler Irrigant in Non-Surgical Management of Chronic Periodontitis: Randomized Controlled Trial.	Dr Sejal Mali	Periodontics
21.	Comparative Evaluation of Crestal Bone Loss After One Stage Implant Surgery Versus Two Stage Implant Surgery: Randomised Controlled Trial	Dr Sejal Mali	Periodontics
22.	Assessment of Patients Pain Perception in Immediate Single Stage, Delayed Single Stage and Two Stage Dental Implants and Patients Satisfaction After Placement of Prosthesis	Dr Payal Ninave	Periodontics
23.	Comparative Evaluation of Pain Response and Healing Response in Operculectomy Procedures using Conventional ,Electrocautery and Laser Techniques – A Randomized Controlled Trial.	Dr Ayushi Nagdeve	Periodontics
24.	Evaluation of temporomandibular joint changes during single step vs two step mandibular advancement with Twin Block in growing children – A CBCT study	Dr Priyanka Badu	Orthodontics

25.	Effect of Low Intensity Laser Therapy (LILT) on MMP-9 expression in gingival crevicular fluid in patients undergoing canine retraction	Dr Priyanka Tarde	Orthodontics	
26.	Intraoperative evaluation of type 2 single puncture technique vs standard Double puncture technique in temporomandibular joint arthrocentesis- a comparative study	Dr Priyanka Relan	Oral surgery	
27.	TOPICAL 5-FLUOROURACIL AS A NOVEL ADJUNCTIVE THERAPY FOR CONSERVATIVE MANAGEMENT OF AMELOBLASTOMA-A RANDOMIZED CONTROL TRIAL	Dr Varsha Manekar	Oral surgery	
28.	TOPICAL 5-FLUOROURACIL AS A NOVEL ADJUNCTIVE THERAPY FOR CONSERVATIVE MANAGEMENT OF ODONTOGENIC KERATOCYST-A RANDOMIZED CONTROL TRIAL	Dr Varsha Manekar	Oral surgery	
Sr No	Certificate No	Title of Research Proposal	Name of Investigator	Time Alloted/Remark
01	IEC/04/40	EFFECTIVENESS OF ORAL HEALTH EDUCATION MODULE ON KNOWLEDGE, ATTITUDE AND PRACTICE OF PRIMARY HEALTH CENTRE (PHC) WORKERS IN IDENTIFICATION AND EARLY DETECTION OF ORAL CANCER AND PRECANCER: A CLUSTER	Dr Kshipra Deshpande	PhD(OP)

		RANDOMIZED TRIAL(CRT)		
02	IEC/04/41	EVALUATION OF EFFECT OF PERIODONTAL THERAPY ALONG WITH SPLINTING OF POSTERIOR TEETH ON MASTICATORY MUSCLES ACTIVITY AND QUALITY OF LIFE IN INDIVIDUALS WITH GENERALISED STAGE II, III PERIODONTITIS - A PROSPECTIVE TRIPLE BLIND RANDOMISED CONTROL TRIAL.	Dr Manish Ashtankar	PhD(Perio)
03	IEC/04/42	Effect of non-surgical periodontal treatment on carotid intima media thickness (CIMT) and cardiovascular risk biomarkers in stage II or stage III periodontitis subjects exposed to risk of atherosclerotic cardiovascular disease (ASCVD)- a non-randomized control trial	Dr Pallavi Sonpimpale	PhD(Perio)
04	IEC/04/43	Comparative evaluation of effectiveness of Orofacial myofunctional exercises, Twin block appliance and combination of both in correction of developing class II malocclusion among 9 to 14 yrs. old tribal school children- A	Dr Kanchan Wadekar	PhD(Ortho)

		randomized clinical trial.		
05	IEC/04/44	Evaluating the effects of treatment related risk factors on Orthodontically induced root resorption (OIRR)- a clinical trial	Dr Arun Nagrik	PhD(Ortho)
06	IEC/04/45	Evaluation of effect of platelet rich fibrin (PRF) on alveolar bone dimensions and severity of gingival invaginations during canine retraction- randomized controlled trial.	Dr Neeraj Kolge	PhD(Ortho)
07	IEC/04/46	Comparative Evaluation of the effectiveness of arthroscopic lysis and lavage with and without injectable platelet rich fibrin in the management of internal derangement of temporomandibular joint- a randomised control trial	Dr Archana Deshpande	PhD(OS)
08	IEC/04/47	EFFICACY OF PATIENT SPECIFIC IMPLANT (PSI) PROSTHESIS IN MAXILLOFACIAL REHABILITATION OF POST COVID-19 MUCORMYCOSIS PATIENTS - AN INTERVENTIONAL STUDY	Dr Vikas Meshram	PhD(OS)
09	IEC/04/48	Evaluation of operative surgical bone defects healing with a tooth banked allogenic tooth graft material and comparing it with physiologic	Dr Shweta Kamble	PhD(OS)

		healing- randomized control trial.		
10	IEC/04/49	Evaluation of coronally advanced flap using connective tissue graft with or without orthodontic button application in management of multiple gingival recession- a randomized controlled trial	Dr Apurva Khadse	Periodontics
11	IEC/04/50	Comparative Evaluation of Levels of Salivary Visfatin and Aspartate Aminotransferase in Stage-II and Stage-III Periodontitis treated by Phase I periodontal therapy- A Prospective Clinical Study	Dr Vivek Bhesaniya	Periodontics
12	IEC/04/51	Comparative evaluation of tissue healing by using Sohn's Poncho Technique vs Conventional Technique in immediate dental implants placed in Esthetic zone- a randomised controlled trial	Dr Korambeth Shreeya	Periodontics
13	IEC/04/52	Comparative evaluation of the effect of intracanal cryotreated saline and room temperature saline as a final irritant on postoperative pain after root canal treatment- a randomized controlled trial	Dr Sneha Shelke	Conservative

14	IEC/04/53	Evaluation of histological response of Human dental pulp to MTA as direct pulp capping agent with and without low level laser therapy – a split mouth randomised controlled trial	Dr Shanmuga Priya	Conservative
15	IEC/04/54	A comparative evaluation of rate of en-masse retraction with and without low-intensity laser therapy- a randomized clinical trial	Dr Rishika Arya	Orthodontics
16	IEC/04/55	Evaluation of MMP-9 levels in gingival crevicular fluid in patients undergoing en-masse retraction with and without low intensity laser therapy- a randomised controlled trial	Dr Rishika Arya	Orthodontics
17	IEC/04/56	Effect of Leucocyte-Platelet Rich Fbrin (L-PRF) on rate of orthodontic tooth movement during canine retraction- a randomized split mouth-controlled trial	Dr Mohammed Niaz	Orthodontics
18	IEC/04/57	Effect of Leucocyte-Platelet Rich Fbrin (L-PRF) on MMP-9 level in gingival crevicular fluid during canine retraction- a randomized split mouth-controlled trial	Dr Mohammed Niaz	Orthodontics
19	IEC/04/58	Evaluation of bone density and effects after rapid maxillary	Dr Ahmed Talha	Orthodontics

		expansion with and without low intensity laser therapy in growing with transverse maxillary deficiency- a randomized control trial		
20	IEC/04/59	Evaluation of effectiveness of Matcha green tea in the management of oral submucous fibrosis as compared to lycopene- a randomized controlled trial	Dr Ayush Dahiwade	OMR
21	IEC/04/60	Evaluation of behaviour of child and acceptance of multi-colored compomer and conventional composite material- a randomized controlled trial	Dr Nilam Honaje	Pedodontics
22	IEC/04/61	Comparative evaluation of the effectiveness of innovative peri-orbital eye massager and virtual reality eyeglasses for reducing dental anxiety during dental restorative procedure in children	Dr Ritesh Kalaskar	Pedodontics
23	IEC/04/62	Comparative evaluation of pain and anxiety in children during cavity preparation using hard tissue laser and air-rotor handpiece under conscious sedation	Dr Ritesh Kalaskar	Pedodontics

24	IEC/04/63	“Biofeedback Dental Anxiety Regulator” and Virtual Reality Eyeglasses for reducing dental anxiety during dental restorative procedure in children.	Dr Ritesh Kalaskar	Pedodontics
25	IEC/04/64	Functional and Aesthetic rehabilitation of post covid mucormycosis maxillectomy defect using patient specific implant(PSI) and zygomatic implant- a comparative study	Dr Aneizo Khrumo	Oral Surgery
26	IEC/04/65	Novel modification of the use of peripheral intravenous catheters for single puncture arthrocentesis of temporomandibular joint- an innovative design	Dr Priyanka Relan	Oral Surgery
27	IEC/04/66	Topical 5-Fluorouracil as a novel adjunctive therapy for odontogenic keratocyst- an observational ambispective study	Dr Priyanka Shetty	Oral Surgery
28	IEC/04/67	Post surgery masticatory functional efficiency in patients with unilateral temporomandibular joint ankyloses and its impact on quality of life	Dr Arwa Pardiwala	Oral Surgery