

M.C.E. Society's

**M.A. RANGOONWALA COLLEGE OF DENTAL SCIENCES
RESEARCH CENTRE, PUNE**

Recognized by Dental Council of India & Affiliated to M.U.H.S. Nashik

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Year	Title of topic
Department of Oral Medicine and Radiology	
2018	<ul style="list-style-type: none">Assessing the Antifibrotic effect of various herbs and flavonoids in oral submucous fibrosis –In vitro studyAssociation of oral mucosal lesions with tobacco smoking and tobacco chewing habits among adults in western maharashtra population -a cross-sectional analytical study.
2019	<ul style="list-style-type: none">Gender Determination using Mandibular Ramus and Gonial Angle : A retrospective studyPrevalence of Incidental findings based on anatomical location and their clinical significance using cone beam computed tomography scans- A Retrospective study.
2020	<ul style="list-style-type: none">An evaluation of the prevalence of elongated styloid process in patients above 25yrs of age, in Western Maharashtra population using CBCT scans.Comparison of carbon monoxide levels in cigarette and bidi smokers in the western Maharashtra population using breath analyzer.
2021	<ul style="list-style-type: none">Estimation of age by pulp-tooth area ratio using two computer-aided software in 40 patients in age group between
2022	<ul style="list-style-type: none">Comparative evaluation of pterygoid process among dentulous, and partially edentulous patients utilizing cone-beam computed
2023	<ul style="list-style-type: none">Prevalence of agenesis of third molars in the age group of 10 to 19 years in the Western
Department of Prosthodontics and Crown and Bridge	
2018	<ul style="list-style-type: none">Evaluation of Maxillary Anterior Teeth and their Relation to the Various Geometric Proportions in Indian Population Sample.A Comparative Evaluation of the Effect of Food Colorants on the Colour Stability of Denture Base Resins processed by three different techniques
2019	<ul style="list-style-type: none">Accuracy of different impression techniques for multiple implants angulated to each other: An in vitro studyEvaluation of mechanical and adhesion properties of glass ionomer cement incorporating nano-sized hydroxyapatite particles
2020	<ul style="list-style-type: none">Comparative evaluation of marginal and internal fit of endocrowns using lithium disilicate and polyetheretherketone computer-aided design - computer-aided manufacturing (CAD-CAM) materials: An <i>in vitro</i> study



	– a prospective study
Department of Conservative Dentistry & Endodontics	
2018	<ul style="list-style-type: none"> Comparative evaluation of removal of calcium hydroxide intracanal medicament from the distal canals of mandibular molars with etidronic acid using different activation techniques – an in vitro study Comparative evaluation of antibacterial efficacy of three different calcium based intra-canal medicaments –an in vitro study
2019	<ul style="list-style-type: none"> Effect of different working motions on foraminal enlargement of instrumented mesio-buccal canal of permanent mandibular molar teeth – a micro computed tomography study Evaluation of Knowledge, Attitude and Practice towards the Deep Margin Elevation (DME) Amongst Registered Dental Practitioners, Post Graduate Students and Academicians in Maharashtra – A Questionnaire Survey.
2020	<ul style="list-style-type: none"> Comparative Evaluation Of Antibacterial Efficacy Of Silver Diamine Fluoride, Calcium Hydroxide Plus Chlorhexidine And Sodium Hypochlorite As Root Canal Irrigants: An In Vitro Study.
2021	<ul style="list-style-type: none"> Current Trends in the Use of Irrigation Activation Systems among Registered Dentists in Maharashtra - A Questionnaire Survey. Comparative Evaluation Of Efficacy Of Different Solvents In Removal Of Bioceramic Sealer From The Root Canals Of Mandibular Premolars Using CBCT : An In-vitro Study
2022	<ul style="list-style-type: none"> Effect of various preparation designs on pull out bond strength of endocrown- an in-vitro study Assessment of knowledge, perception and practice of rubber dam isolation among final year students and interns of western maharashtra-a questionnaire survey.
Department of Periodontology	
2018	<ul style="list-style-type: none"> Comparison of ozonated olive oil with calcium sodiumphosphosilicate on root dentin hypersensitivity. A study to evaluate efficacy of 810nm diode laser in the maintenance of dental implants: a peri-implant sulcular fluid (pissf) analysis
2019	<ul style="list-style-type: none"> Comparative evaluation oil pulling and chlorhexidine mouthwash as an adjunct to scaling and root planing in the management of moderately deep periodontal pockets: a clinical and microbiological study. A study to evaluate the dual gtr and bactericidal effect of co2laser in periodontal flap surgery.
2020	<ul style="list-style-type: none"> Comparison of effectiveness of 2% propolis solution versus 0.2 % chlorhexidine mouthwash as a subgingival irrigant following scaling and root planing: a clinical and microbiological study.
2021	<ul style="list-style-type: none"> Evaluation of glycosylated hemoglobin level in patients with chronic periodontitis
2022	<ul style="list-style-type: none"> Treat and Restore Compromised Sockets Immediately with the Novel Vestibular Socket Therapy: A Revolution in Immediate Implant Placement



2023	<ul style="list-style-type: none"> Effectiveness of PRF and xenograft with or without barrier membrane for socket preservation: A clinical and radiographic study Comparative evaluation of healing following surgical frenectomy procedure with or without using nano crystalline membrane: a clinical study.
Department of Pedodontics and Preventive Dentistry	
2018	<ul style="list-style-type: none"> Ex- vivo assessment of natural teeth wear against zirconia and novel glass fiber reinforced composite crowns in primary teeth by three-dimensional assessment.
2019	<ul style="list-style-type: none"> Clinical assessment of a chair side space maintainer
2020	<ul style="list-style-type: none"> Evaluation of oral hygiene status and dental caries prevalence among healthy but post covid-19 diseased special care children in Pune city: An observation study
2021	<ul style="list-style-type: none"> To compare the effectiveness of three behavioral modification techniques. Tell show do, Tell-Show-Play-doh and film modelling using two scale.
2022	<ul style="list-style-type: none"> Clinical and radiographic evaluation between conventional mineral trioxide aggregate and gel based mineral trioxide aggregate in vital pulp therapy- an in vivo study
2023	<ul style="list-style-type: none"> The possible association of salivary pH, flow rate, viscosity, buffering capacity and MMP20 in the etiology of Molar Incisor Hypomineralization: A Clinical study Association of Molar Incisor Hypomineralisation in children with socioeconomic factors, familial inheritance & dermatoglyphics: A clinical study
Department of Public Health Dentistry	
2018	<ul style="list-style-type: none"> Is Oral Bacterial Flora with Dental Disease a Risk Factor for the Recurrence of Peptic Ulcer Disease? A Retrospective Study on 644 Patients
2019	<ul style="list-style-type: none"> Evaluation of Knowledge, Attitude and Practice about Oral Hygiene Aids among Dental Hygienists in Western Maharashtra, India
2020	<ul style="list-style-type: none"> Assessment of knowledge, importance and management of uncontrolled bleeding in dental surgical procedures among dental professionals.
2021	<ul style="list-style-type: none"> Assessment of awareness, attitude, and practice of use of facemask among the general population during covid-19 pandemic: a questionnaire study
2022	<ul style="list-style-type: none"> Knowledge, attitude, and awareness of the general population towards facial yoga, facial massage and facial exercises Assessing acceptance, evaluation, challenges in implant dentistry among dental practitioners
Department of Orthodontics and Dentofacial Orthopedics	
2018	<ul style="list-style-type: none"> Comparing the accuracy and reliability of digitally scanned models produced by alginate impression, addition silicone impression and intraoral scanning (in vitro study). A Comparative evaluation of accuracy of manually placed and digitally guided placement of IZC mini-screws A prospective clinical study
2019	<ul style="list-style-type: none"> Comparative Evaluation of the reliability of manual and digital bracket positioning with consideration to root axes: A CBCT based exploratory study.

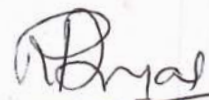


2020	<ul style="list-style-type: none"> Comparative evaluation of the effect of three different mouthwashes on the surface roughness and frictional resistance of Orthodontics archwires - An in vitro study
2021	<ul style="list-style-type: none"> Comparison of the accuracy of various intraoral scanners and laboratory scanners for a complete arch: an in vitro study. Comparison of shear bond strength of orthodontic metal brackets recycled using different methods: an in- vitro study
2022	<ul style="list-style-type: none"> Evaluation of streptococcus mutans count on hawley and essix retainer: a comparative prospective clinical study
Oral Pathology & Microbiology	
2018	<ul style="list-style-type: none"> Kerosene – an alternative clearing agent to Xylene Prediction of gender by odontometric data using logistic regression analysis
2019	<ul style="list-style-type: none"> Exfoliative cytology --Age and Sex determination, by using PAP, H&E and Acridine orange stain, by light and confocal microscope”.
2020	<ul style="list-style-type: none"> Buccal mucosal alterations: a mirror of diabetes mellitus.
2022	<ul style="list-style-type: none"> In-vitro comparative study of hard tissue element of intact and decayed teeth exposed to three different environmental scenarios – A cross sectional study
Department of Microbiology	
2022	To Determine the Prevalence Of Pseudomonas Aeruginosa And The Antibiotic Sensitivity Profile Of This Organism In Post-Operative Wound Infections



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Institutional Research Committee

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