

LIST OF APPROVED TITLE OF SYNOPSIS SELECTED BY CANDIDATES
ADMITTED IN M.D.S. FOR ACADEMIC YEAR 2009-10 UNDER
FACULTY OF DENTISTRY.

Sr. No.	Subject	Title of Dissertation
01	Oral Pathology & Microbiology	Comparative study of image analysis and conventional method for assessment of oral epithelial dysplasia in premalignant and malignant lesions.
02	Oral Pathology & Microbiology	To study the expression of Cytokeratin 17 in Oral Squamous cell carcinoma.
03	Oral Pathology & Microbiology	CD 10 expression in stromal cells of ameloblastoma variants-An immunohistochemical study.
04	Oral Pathology & Microbiology	Role of HPV-16 in pathogenesis of oral Epithelial Dysplasia and Oral Squamous Cell Carcinoma and correlation of p16 INK4A expression in HPV-16 Positive cases: An Immunohistochemical study.
05	Oral Pathology & Microbiology	Estimation of salivary sialic acid in oral premalignant and malignant lesions.
06	Oral Pathology & Microbiology	Epidemiology of Dental Fluorosis among children in selected villages of Kannad and Vaijapur taluka of Aurangabad districts.
07	Oral Pathology & Microbiology	Estimation of Serum levels of Malondialdehyde and superoxide dismutase in oral lichen planus.
08	Oral Pathology & Microbiology	Assessment of Sexual Dimorphism in Maxillary intercanine, interpremolar and intermolar widths: A Morphometric study.
09	Oral Pathology & Microbiology	Association between matrix metalloproteinases-2 gene promoter polymorphism and susceptibility to Oral Cancer.
10	Oral Pathology & Microbiology	Evaluation of Erythrocyte indices and serum iron level in oral squamous cell carcinoma.

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11	Oral Pathology & Microbiology	Study of restored and Un-restored teeth subjected to high temperatures using stereomicroscope and scanning electron microscope.
12	Oral Pathology & Microbiology	Estimation & correlation of lipid profile in oral submucous fibrosis & oral squamous cell carcinoma.

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Sr. No.	Subject	Title of Dissertation
01	Prosthodontics & Crown & Bridge	Marginal accuracy of nickel-chromium coping fabricated by induction casting procedure from operator fabricated patterns and CAD-CAM fabricated patterns using inlay wax and pattern resin- an in vitro study.
02	Prosthodontics & Crown & Bridge	Comparative evaluation of micro tensile bond strength of fiber reinforced composite resin core material with glass fiber post utilizing two different surface treatment- An in vitro study.
03	Prosthodontics & Crown & Bridge	Comparative evaluation of Mandibular Flexure in dentate patients with different mandibular arch geometry.
04	Prosthodontics & Crown & Bridge	Comparative evaluation of the Fracture Toughness of low fusing leucite based Ceramics fused to metal, using press- on and Layering technique and their effect on the wear of opposing enamel, An in vitro study.
05	Prosthodontics & Crown & Bridge	An evaluation of the accuracy of different impression techniques in clinical situation for multiple implants Angulated to each other, An in vitro study.
06	Prosthodontics & Crown & Bridge	Comparative evaluation between conventional border moulding technique & border moulding with application of TENS on peripheral tissue registration & retention of maxillary complete denture bases.
07	Prosthodontics & Crown & Bridge	Evaluation of bond strength of surface treated acrylic resin teeth to heat & auto polymerized acrylic resins- An in vitro study.
08	Prosthodontics & Crown & Bridge	A comparative evaluation of the effect of age, loss of dentition and full palatal coverage on the oral stereognostic ability in dentulous and complete denture wearers- An in-vivo study.
09	Prosthodontics & Crown & Bridge	Spectrophotometric evaluation of shade reproduction of pressable all ceramic system on unstained and stained tooth- an in vitro study.

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Sr. No.	Subject	Title of Dissertation
10	Prosthodontics & Crown & Bridge	A comparative study on color stability of Commercially available different types of provisional restorative materials in commonly used Indian chromatogens- An in vitro study.
11	Prosthodontics & Crown & Bridge	Effect of Disinfectant solutions on the Wettability of Elastomeric Impression Materials: An Vitro study.
12	Prosthodontics & Crown & Bridge	A comparative evaluation of casting accuracy by two different methods of DIE Spacer application- An in vitro study.

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Sr. No.	Subject	Title of Dissertation
01	Orthodontics & Dentofacial Orthopaedics	To assess and compare the shear bond strength of different methods of surface conditioning on direct bonding of orthodontics brackets on metal crowns- An in vitro study.
02	Orthodontics & Dentofacial Orthopaedics	Apical force distribution during different types of orthodontic tooth movement- the finite element method study.
03	Orthodontics & Dentofacial Orthopaedics	Comparison of the shear bond strength of fluoride-releasing orthodontic adhesive- An in vitro study.
04	Orthodontics & Dentofacial Orthopaedics	Assessment of skeletal maturity indicators and mandibular growth in Monozygotic and Dizygotic Twins.
05	Orthodontics & Dentofacial Orthopaedics	Evaluation of dental arch morphology in Obstructive Sleep Apnoea in a mixed Indian population.
06	Orthodontics & Dentofacial Orthopaedics	Shear bond strength of orthodontic molar tubes bonded with three different light cure adhesive & scanning electron microscopic examination of the enamel-adhesive interface: An in vitro study.

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Sr. No.	Subject	Title of Dissertation
01	Periodontology	Clinical evaluation of primary stability in immediate loading of two piece dental implant-An in vivo study.
02	Periodontology	Comparative clinical evaluation of subepithelial connective tissue graft & Acellular dermal matrix allograft for the treatment of Gingival recession.
03	Periodontology	Evaluation of the Bactericidal efficacy of the Er:YAG laser and its effect on the titanium disc surface - An in vitro study.
04	Periodontology	Comararative evaluation of root surface changes, intrapulpal space temperature and efficacy of Piezo-electric scaler and Er:YAG laser for calculus removal - An in vitro ESEM study.
05	Periodontology	Effect of Non-surgical therapy on blood lipid levels in chronic periodontitis patients with Hyperlipidemia- A Biochemical study.
06	Periodontology	Clinical evaluation of autologous Platelet Rich Fibrin (PRF) graft with lateral positioned flap for treatment of isolated denuded root surface.
07	Periodontology	Comparative evaluation of the healing of periodontal flaps when closed with N-butyl cyanoacrylate and black braided silk suture: A clinico-Histological study.
08	Periodontology	Quantitative estimation of C-reactive protein levels in Blood Serum of subjects with clinically healthy Gingiva, Chronic Periodontitis and Aggressive Periodontitis- A Biochemical Study.

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Sr. No.	Subject	Title of Dissertation
01	Pedodontics & Preventive Dentistry	Effect of different preparation techniques on root canal geometry - An in vitro study.
02	Pedodontics & Preventive Dentistry	Clinical comparison and evaluation of diagnostic methods for proximal caries detection in primary and permanent molars.
03	Pedodontics & Preventive Dentistry	Assessment of pain behavior in computerized local anesthesia delivery during two sequential dental visits in different age groups.

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01	Oral Medicine & Radiology	Comparative evaluation of Transcutaneous electrical Nerve Stimulation (TENS) and Conventional Therapy in the treatment of Myogenous Temporomandibular disorder.
02	Oral Medicine & Radiology	Radiographic evaluation of the Anatomic variations in Styloid process.
03	Oral Medicine & Radiology	Comparative evaluation of efficacy of Oral Pentoxifylline and Intralesional Hyaluronidase and Dexamethasone in the treatment of Oral Submucous Fibrosis.
04	Oral Medicine & Radiology	A study of correlation of Pulp stone with Cardiovascular diseases.
05	Oral Medicine & Radiology	Fractal analysis of periodontal bone in periodontally compromised patients.
06	Oral Medicine & Radiology	Lip prints as dignostic predictors of criminal behaviour.
07	Oral Medicine & Radiology	The Prevalence of Oral Lichen Planus and Hypertension in patients with Diabetes Mellitus.
08	Oral Medicine & Radiology	An evaluation of radiographic changes in temporomandibular joint in patients with temporomandibular joint disorders by using conventional transcranial projection.
09	Oral Medicine & Radiology	Role of Gamma -Glutamyl transpeptidase in oral cancer detection.

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10	Oral Medicine & Radiology	Evaluation of salivary amylase and stress in patients with oral lichen planus.
11	Oral Medicine & Radiology	CD44s expression as a progression marker in oral pre-cancerous and cancerous lesion.
12	Oral Medicine & Radiology	A comparative study of estimation of colony forming units of Candida in patients with Leukoplakia and Oral Lichen Planus.
13	Oral Medicine & Radiology	Comparison of Alveolar bone loss with Mandibular cortical index in patients suffering from periodontitis with and without Diabetes using Panoramic Radiographs.

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Sr. No.	Subject	Title of Dissertation
01	Conservative Dentistry & Endodontics	Comparative evaluation of physical surface changes and incidence of separation of Rotary Nickel-Titanium Endodontic instruments under scanning electron microscopic - An in vitro study.
02	Conservative Dentistry & Endodontics	Comparative evaluation of reliability of different methods of determining the working length versus the actual working length An In vivo versus In vitro study.
03	Conservative Dentistry & Endodontics	Influence of moisture on the apical seal of root canal fillings with four different types of Sealer-An in vitro study.
04	Conservative Dentistry & Endodontics	Effect of Hydrogen Peroxide and Sodium Perborate on microhardness of human enamel and dentin -An in vitro study.
05	Conservative Dentistry & Endodontics	Effect of pre-heating the composite resin on microleakage at the cervical margins in Class II restorations- An in vitro study.
06	Conservative Dentistry & Endodontics	The effect of irrigating solutions for root canal treatment on bonding to root canal dentine- An in vitro study.
07	Conservative Dentistry & Endodontics	To measure salivary IgA levels in caries free and caries susceptible human subjects with and without the application of a CPP-ACP tooth crème : in vivo study.
08	Conservative Dentistry & Endodontics	To evaluate the stress distribution of different post system in single rooted premolars: three dimensional finite element analysis.
09	Conservative Dentistry & Endodontics	To compare the root- end cavity preparation done using conventional carbide bur, ultrasonics, Er:Cr:YSGG laser and Er:YAG laser on the morphology of root apices- An in vitro SEM Analysis.

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10	Conservative Dentistry & Endodontics	A comparative study of depth of irrigation in the root canals using 3 various activation systems: Stainless steel hand K-files irrigase ultrasonic tip and Er:YAG laser activated irrigation. An in vitro study.
11	Conservative Dentistry & Endodontics	Comparative evaluation of the effect of EDTA, MTAD, Er:YAG laser and Er,Cr:YSGG laser on adhesiveness of an EPOXY resin based root canal sealer to Dentin- An in Vitro study.
12	Conservative Dentistry & Endodontics	Evaluation of the effect of Casein phosphopeptide-amorphous calcium phosphate on tooth enamel demineralized by a carbonated soft drink using microhardness testing method- an in vitro study.
13	Conservative Dentistry & Endodontics	To study the efficacy of two Rotary Nickel Titanium and one hand instrument in removing gutta-percha from root canals- an Invitro study.
14	Conservative Dentistry & Endodontics	To study and compare fracture resistance of human premolars with MOD cavity restored with three different esthetic restorative materials- An in vitro study.
15	Conservative Dentistry & Endodontics	To study and evaluate Microleakage of Class V Composite Resin Restorations using Dentin Deproteinizing agent- An in vitro study.
16	Conservative Dentistry & Endodontics	Comparison of ability of two apex locators to locate the apical foramen in the presence of Irrigants: An in vitro study.
17	Conservative Dentistry & Endodontics	A comparison of third generation Apex Locator and conventional radiography in working length determination - An in vivo study.