

BHARATI VIDYAPEETH DEEMED TO BE UNIVERSITY
DENTAL COLLEGE & HOSPITAL, PUNE
INSTITUTIONAL RESEARCH COMMITTEE

Ref No.: BVDU/DCH/ 383 /2017-18

Date: 04/05/2018

From,
Dr. Swapna Patankar
Co-ordinator
Institutional Research Committee,
BVDU Dental College & Hospital,
Pune-43

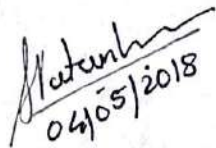
To,
The Principal,
BVDU Dental College & Hospital,
Pune-43

Subject: Annual Report of Institutional Research Committee for the Academic Year 2017-18

Respected Sir,

I am, herewith, submitting the Annual Report of Institutional Research Committee for the Academic Year 2017-18. I am here by attaching the list of all the Research Proposals for the academic Year 2017-18. This is for your information & perusal.

Sincerely,


04/05/2018

Dr. Swapna Patankar
Co-ordinator
Institutional Research Committee



**BHARATI VIDYAPEETH DEEMED TO BE UNIVERSITY
DENTAL COLLEGE & HOSPITAL, PUNE
INSTITUTIONAL RESEARCH COMMITTEE**

Annual Report of Institutional Research Committee for the Academic Year 2017-18

Sr. No.	Annual Report 2017-18	Total Number
1.	Total number of IRC Meetings conducted	10
2.	Total number of Research Proposals discussed	72
3.	Total number of MDS Dissertations Research Proposals	36
4.	Total number of Short Study Research Proposals	36
5.	Total number of Research Proposals by PhD Scholars	-----
6.	Total number of Research Proposals by Faculty	02
7.	Total number of proposals by Post-graduate Students	25
8.	Total number of proposals by Under graduate Students	09
9.	Number of Research Proposals forwarded to Institutional Ethics Committee	50
10.	Number of Pilot Study advised proposals	03

Patankar
04/05/2018

Dr. Swapna Patankar
Co-ordinator
Institutional Research Committee

List of Research Proposals attached

Copy: Institutional Research Committee

Bharati Vidyapeeth Deemed University, India
Dental College & Hospital, Pune
Institutional Research Committee
Academic Year 2017-18

M.D.S. DISSERTATIONS RESEARCH PROJECTS

Sr. No.	Name of Student	Name of Guide	Department	Title of Research Project
1.	Dr. Bhatia Shivani Anil	Dr. Anupam Sharma	Conservative Dentistry & Endodontics	Comparative evaluation of various storage media on fracture resistance of reattached crown fragment- An in vitro study
2.	Dr. Bansod Sonali Jagannath	Dr. Ashwini Gaikwad	Conservative Dentistry & Endodontics	Comparative Evaluation of Push-Out Bond Strength and failure modes of Fiber Post cemented with different Adhesive Resin Cements – An in-vitro study.
3.	Dr. Esha Sunil Kedia	Dr. Jyoti Mandlik	Conservative Dentistry & Endodontics	Effect of addition of an anti-oxidant in calcium hydroxide and chlorhexidine, when used in combination as an intra-canal medicament on fracture resistance of root-cementin, at two different time intervals: an in-vitro study.
4.	Dr. Sharma Anirudha Girish	Dr. Varsha Pandit	Conservative Dentistry & Endodontics	Comparative evaluation of effect of 17% Ethylenediaminetetraacetic acid (17% EDTA) and Chitosan on fracture resistance of endodontically treated teeth: An in vitro study.
5.	Dr. Shah Krishna Ketan	Dr. Aniket Jadhav	Conservative Dentistry & Endodontics	Comparative evaluation of fracture resistance of endodontically treated teeth restored with nanohybrid composite, dual cure core build-up material and short fiber reinforced composite: An in-vitro study.
6.	Dr. Dhupar Jashneetkaur Manjitsingh	Dr. Alok Patel	Pedodontics & Preventive Dentistry	A comparative evaluation of Cytokines as inflammatory markers in the saliva of Down's Syndrome patients before and after oral prophylaxis
7.	Dr. Mutha Komal Sanjay	DR.PREETAM SHAH	Pedodontics & Preventive Dentistry	COMPARATIVE EVALUATION OF THE EFFECTIVENESS OF IRRIGATION WITH 5.25% SODIUM HYPOCHLORITE WITH AND WITHOUT ULTRASONIC ACTIVATION IN THE ROOT CANAL SYSTEM OF PRIMARY MOLARS: AN IN-VITRO STUDY.

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Sr. No.	Name of Student	Name of Guide	Department	Title of Research Project
8.	Dr. Raheja Soniya Gyanchand	DR.RAHUL LODAYA	Pedodontics & Preventive Dentistry	COMPARATIVE EVALUATION OF FLUORIDE RELEASE, COMPRESSIVE STRENGTH AND DIAMETRAL TENSILE STRENGTH OF GLASS IONOMER CEMENT AND ALKASITE RESIN BASED RESTORATIVE MATERIAL: AN IN-VITRO STUDY
9.	Dr. Dinah Rachel Bethapudy	DR.CHETAN BHAT	Pedodontics & Preventive Dentistry	COMPARATIVE EVALUATION OF WATER SORPTION, SOLUBILITY AND MICROHARDNESS OF ZIRCONIA REINFORCED GLASS IONOMER, RESIN MODIFIED GLASS IONOMER AND TYPE IX GLASS IONOMER RESTORATIVE MATERIALS- AN IN VITRO STUDY
10.	Dr. Manasi Rajendra Shimpi	Dr. Shweta Chaudhary	Pedodontics & Preventive Dentistry	Assessment of the Efficacy of Thermography for the Detection of Demineralisation and Early Carious Lesions- an In-Vitro Study.
11.	Dr. Shraddha Ashok Kadam	Dr. Sanket Kunte	Pedodontics & Preventive Dentistry	Comparison of Penetration Depth, Microleakage and Surface Roughness of a Newer Infiltrant Resin Material and Flowable Nano Composite : an In Vitro Study
12.	Dr. Sarah Mariam	DR.AMITA MALI	Periodontology	Comparative assessment of periodontal status in subjects with and without Polycystic Ovary Syndrome and its correlation with Body Mass Index
13.	Dr. Mule Shilpa Manoharrao	Dr. Vishakha Patil	Periodontology	Comparative evaluation of toxic effects of two herbal extracts (2% neem and 2% tulsi) with 0.2% chlorhexidine gluconate on oral cell line
14.	Dr. Princy Thomas	Dr. Pramod Waghmare	Periodontology	Comparative evaluation of metronidazole and chlorhexidine gluconate gel with metronidazole gel alone as a local drug delivery system in chronic periodontitis, as an adjunct to scaling and root

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Sr. No.	Name of Student	Name of Guide	Department	Title of Research Project
				planing-A clinical and microbiological study
15.	Dr. Sonawane Sayali Satish	Dr. Amit Chaudhari	Periodontology	Comparative evaluation of soft tissue attachment to the root surface following laser assisted modified Widman flap surgery with that of conventional modified Widman flap surgery in rats- An In Vivo Study
16.	Dr. Harshit Jain	Dr.Paresh Gandhi	Prosthodontics & Crown & Bridge	Comparative Evaluation of The Vertical Marginal Discrepancy at The Implant-Abutment Interface For 3 Different Internal Connections at Different Values of Torque – An In Vitro Study
17.	Dr. Agrawal Abhishek Ashok	Dr Ajay Sabane	Prosthodontics & Crown & Bridge	Comparative evaluation of finish line geometry and fabrication technique on the vertical marginal fit with internal fit of provisional restorations – An in vitro study
18.	Dr. Naik Bhakti Vidhyadhar	Dr. Vijaysinh More	Prosthodontics & Crown & Bridge	Comparative evaluation of four different materials for peripheral seal, using single step border moulding technique in maxillary edentulous arches- An In-vivo study
19.	Dr. Neelufar.S	Dr.VasanthaN. Vijayaraghavan	Prosthodontics & Crown & Bridge	Comparative evaluation of color stability and surface roughness of polymethylmethacrylate based provisional restoration and composite based provisional restoration-an invitro study
20.	Dr. Nathi Shantanu Mukund	Dr. Rajashree jadhav	Prosthodontics & Crown & Bridge	Comparative evaluation of fracture resistance of three different denture base resins namely uni-lign heat classic, lucitone 199 and triplex hot. – an in vitro study
21.	Dr. Preet Kishore Soni	Dr. N.Vasantha	Prosthodontics & Crown & Bridge	Evaluation of the fracture resistance and optical properties with addition of zirconia nano particles in different concentrations on dental porcelain- An In-Vitro study

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Sr. No.	Name of Student	Name of Guide	Department	Title of Research Project
22.	Dr. Abhyankar Purva Rajendra	Dr Revati Deshmukh	Oral Pathology & Microbiology	Comparative analysis of Feulgen and Papanicolau stains for determination of Barr body using cytosmeears- a forensic study.
23.	Dr. Firdous Ahmad Najar	Dr Shailesh Deshmukh	Orthodontics	Determination of suitable sites for orthodontic mini-screw insertion on the mandibular buccal shelf area: A cone beam computed tomography study.
24.	Dr. Rampurawala Abdulqadir Mulla Husain	Dr. Amol Patil	Orthodontics	Evaluation of the effect of ultraviolet photofunctionalization on peri-implant osteogenesis in titanium orthodontic miniscrews: a split-mouth study.
25.	Dr. Jagtap Sneha Baburao	Dr. Veera Bhosale	Orthodontics	Comparative evaluation of interrupted and intermittent forces on canine retraction: An in vivo study.
26.	Dr. Sanap Sneha Premkumar	Dr. Vinit Swami	Orthodontics	Evaluation of efficacy of various implants in maxillary arch distalization-A Finite Element Analysis
27.	Dr. Dhok Anvita Pravin	Dr.Gauri Vichare	Orthodontics	Assessment of pulp tooth ratio of maxillary canine & the status of mid-palatal suture maturation- A cone beam computed tomography study
28.	Dr. Banage Janhavi Ajit	Dr. Anand Sabane	Orthodontics	Comparative evaluation of the effect of bracket slot and ligation methods on the forces released by Nickel-Titanium wires with variations in deflection – An In Vitro Study.
29.	Dr. Priyadarshini Banerjee	Dr.Rajesh Kshirsagar.	Oral & Maxillofacial Surgery	Comparative Evaluation Of Virtually Planned Implant Placement With Implants Placed Using Computer Aided Surgical Templates.
30.	Dr. Pallavi Sanjeevkumar Rathi	DR.KIRAN GADRE	Oral & Maxillofacial Surgery	Comparative Study To Evaluate The Effect of Intramassetric Dexamethasone With Methylprednisolone on Postoperative Sequelae after Mandibular Third Molar Surgery.

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Sr. No.	Name of Student	Name of Guide	Department	Title of Research Project
31.	Dr. Tadas Kisana Dhanraj	Dr . Rajshekhar Halli	Oral & Maxillofacial Surgery	Comparative evaluation Of One Point Fixation At Zygomaticomaxillary Buttress Area With Two Point Fixation At Zygomaticomaxillary Buttress and Frontozygomatic suture Areas In Management Of Zygomaticomaxillary Complex Fracture
32.	Dr. Limbhore Mayur Vilas	Dr. Shandilya Ramanojam.	Oral & Maxillofacial Surgery	Comparative Evaluation Of Changes In Blood Glucose Level, Blood Pressure And Pulse Rate Using Plain Lignocaine And Lignocaine With Adrenaline (1:1,00,000) In Diabetic (Type II) Patients Undergoing Routine Dental Extractions.
33.	Dr. Bhende Rajat Chandrashekhar	Dr. Rajesh Kshirsagar	Oral & Maxillofacial Surgery	Evaluation of two different fixation techniques for simulated mandibular body fractures in polyurethane mandible- An-Invitro study
34.	Dr. Sharma Reshmi Ramji	Dr Amod Patankar	Oral & Maxillofacial Surgery	Comparative evaluation of soft tissue parameter on immediately placed and loaded implants in esthetic zone following socket shield technique with the contralateral healthy natural counterpart.
35.	Dr. Arjun Chavan	Dr. Prashant Rao	Oral Pathology & Microbiology	Immunohistochemistry study of CD105 in Normal Oral Mucosa, Oral Dysplasia & Oral Squamous Cell Carcinoma
36.	Dr. Surabhi Rikhy	Dr. Rajeshree Gaikwad	Prosthodontics & Crown & Bridge	Comparative evaluation of different drying time intervals of tray adhesives on tensile bond strength between Polyvinyl Siloxane Impression material & Tray material - An In-Vitro Study

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Lists of Research Projects by Faculty

Academic Year 2017-18

Sr. No.	Name of Principal Investigator	Name of Co-investigator	Department	Title of Research Project
1.	Dr. Praveena Kulkarni	Dr. Moghe	Oral Pathology & Microbiology	Comparative evaluation of the anticancer property of green-synthesized silver nanoparticles derived from Mentha arvensis with doxorubicin on human oral squamous cell carcinoma cell lines
2.	Dr. Revati Deshmukh	Dr. Priya Nimish Deo	Oral Pathology & Microbiology	A comparative analysis of Matrix metalloproteinase-9 (MMP-9) for assessment of aggressiveness in different histological variants of Ameloblastoma

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SHORT STUDY RESEARCH PROJECTS BY POST-GRADUATE STUDENTS

Sr. No.	Name of Department	Name of Student	Name of Guide	Title of Research Project
1.	Pedodontics & Preventive Dentistry	Dr. Trupti Prafulla Mutha (MDS Part II)	Dr. Chetan Bhat	Comparative evaluation of Anti-microbial properties of Aqueous & Alcoholic Glycarrhiza Glabra Root Extract and Chlorhexidine against Streptococcus Mutans and Enterococcus Faecalis – In In-Vitro Study
2.	Pedodontics & Preventive Dentistry	Dr. Sneha Shivshankar Agarwal (MDS Part II)	Dr. Rahul Lodaya	Comparative evaluation of mechanical properties of conventional glass ionomer cement and glass ionomer cement incorporated with casein phosphopeptide – amorphous calcium phosphate (CPP-ACP) – An In-vitro Study
3.	Pedodontics & Preventive Dentistry	Dr. Pearl Jaggi (MDS Part II)	Dr. Preetam Shah	Comparative evaluation of Mechanical Properties of Chitosan Modified Glass Ionomer Cement
4.	Pedodontics & Preventive Dentistry	Dr. Nikita Shashikant Kadam (MDS Part II)	Dr. Sanket Kunte	Comparative evaluation of Anti-microbial properties of Pomegranate Peel Extract against Streptococcus Mutans & Lactobacillus – An In-vitro Study
5.	Pedodontics & Preventive Dentistry	Dr. Smruti Venkataraman (MDS Part II)	Dr. Rahul Lodaya	Comparative evaluation of Anti-microbial efficacy of commercially available child's dentrifices at different concentrations against Streptococcus Mutans – An In-vitro Study
6.	Pedodontics & Preventive Dentistry	Dr. Nikita Nishan (MDS Part II)	Dr. Preetam Shah	Comparative evaluation of Anti-microbial properties of Chicory extract & Chlorhexidine against Streptococcus Mutans & Lactobacillus – An In-vitro Study
7.	Pedodontics & Preventive Dentistry	Dr. Dhanashree Dalal (MDS Student)	Dr. Alok Patel	Comparative evaluation of diametral tensile strength of Zirconomer, Ketac Molar and Type IX GIC – An In-vitro Study
8.	Pedodontics & Preventive Dentistry	Dr. Sumedha Baghel (MDS)	Dr. Shweta Chaudhary	Analysis of colour stability of two commonly used restorative materials after exposure to stains and dentrifice A In-vitro Study

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		Student)		
9.	Dr. Nikita Kadam	Dr. Sanket Kunte	Pedodontics & Preventive Dentistry	Comparative evaluation of the effect of pomegranate peel extract and chlorhexidine 0.2% mouthwash on salivary pH in children between 6-8 years of age : An in vivo study
10.	Dr. Smruti Venkatraman	Dr. Rahul Lodaya	Pedodontics & Preventive Dentistry	Assessment of knowledge and attitude about oral health care among parents of children with cerebral palsy.
11.	Dr. Dhanashree Dalal	Dr. Alok Patel	Pedodontics & Preventive Dentistry	Identification and assessment of factors predicting behaviour of the child during first dental visit.
12.	Dr. Nikita Nishan	Dr. Preetam Shah	Pedodontics & Preventive Dentistry	Assessment of awareness and knowledge among school children and sports coaches engaged in contact sports regarding the use of mouthguard for prevention of dental trauma.
13.	Dr. Heena Kagdi Study I	Dr. Shweta Chaudhary	Pedodontics & Preventive Dentistry	Comparative Finite element stress analysis of NUSMILE and Kids-e- Crowns.
14.	Dr. Heena Kagdi Study II	Dr. Shweta Chaudhary	Pedodontics & Preventive Dentistry	Evaluation of antibacterial activity of MTA compared to Antioxidant Mix used as a pulpotomy agent- In vitro study.
15.	Dr. Pooja Kadam	Dr. Amit Chaudhari	Periodontology	Comparative evaluation of alveolar bone and cementum following laser assisted modified widman flap surgery with that of conventional modified widman flap surgery in rats.
16.	Dr. Priya Agarwal	Dr. Amit Mhapuskar	Oral Medicine & Radiology	To determine the salivary levels of tumor necrosis factor-alpha in patients with oral sub-mucous fibrosis as compared to normal individuals and to correlate the increased salivary levels of tumor necrosis factor-alpha with clinical staging and histopathological grading of oral sub-mucous fibrosis.
17.	Dr. Neelufar S.	Dr. Vasantha.N	Prosthodontics & Crown & Bridge	Evaluation of bond strength between polyamide and various denture base resins
18.	Dr. Purva Abhyankar	Dr Revati Deshmukh	Oral Pathology & Microbiology	Assessment and comparison of the plasma vitamin B12 levels in patients with oral potentially malignant and malignant lesions.
19.	Dr. Sayali Sonawane	Dr. Amit Chaudhari	Periodontology	Comparative evaluation of inflammatory changes and fibroblast morphology following laser assisted modified widman flap surgery with that of conventional modified widman flap surgery in rats.
20.	Dr. Dhupar	Dr. Alok Patel	Pedodontics &	Comparative Evaluation of the adhesive

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	Jashneetkaur		Preventive Dentistry	bond strength and sustained fluoride release of chitosan infused resin modified Glass Ionomer Cement with resin modified Glass Ionomer Cement: an In vitro study
21.	Dr. Raheja Soniya	Dr.Rahul Lodaya	Pedodontics & Preventive Dentistry	Evaluation Of Parental Awareness About Association Of Premature Loss Of Primary Maxillary Anterior Teeth And Speech Changes In Preschool Children: A Survey Study
22.	Dr. Dinah Rachel Bethapudy	Dr.Chetan Bhat	Pedodontics & Preventive Dentistry	Comparative Evaluation of Antimicrobial Properties of Aqueous and Alcoholic Extracts of Terminalia Chebula with Chlorhexidine against Streptococcus Mutans and Enterococcus Faecalis-An In Vitro Study.
23.	Dr. Manasi Rajendra Shimpi Study I	Dr. Shweta Chaudhary	Pedodontics & Preventive Dentistry	A Comparative Evaluation of Salivary Changes and Oral Indices in Paediatric Patients having Chronic Renal Disease and Juvenile Diabetes with Healthy Controls.
24.	Dr. Shraddha Ashok Kadam	Dr Sanket Kunte	Pedodontics & Preventive Dentistry	Comparison of Efficacy of Jet Injector and Topical Anesthetic Gel before Palatal Infiltration Anaesthesia in Children of age 6 to 12 years : An In Vivo study
25.	Dr. Manasi Rajendra Shimpi Study II	Dr. Shweta Chaudhary	Pedodontics & Preventive Dentistry	Assessment of Thermal Changes using Thermography for the Detection of Artificially Induced Fractures in Teeth- an In Vitro Study

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SHORT STUDIES BY UNDER-GRADUATE STUDENTS

Sr. No.	Name of Department	Name of Student	Name of Guide	Title of Research Project
1.	Oral Medicine & Radiology	Mr. Deven Mahesh Rawlani & Mr. Ankit Chowdhry (Under-graduate Student)	Dr. Shams Ul Nisa	The diversity in Dental Pattern for Personal Identification in Indian population – An Orthopantomogram Based Retrospective Study
2.	Ms. Saloni Sonigara	Dr. Amit Mhapuskar	Oral Medicine & Radiology	Evaluation of dimensions of mandibular ramus for gender determination : A radiographic study
3.	Ms. Alpa Newaskar & Ms. Neha Pradhan	Dr V. V. Kulkarni	Oral Pathology & Microbiology	Dermatoglyphics in the subjects with Potentially Malignant Oral Lesions – An Observational study.
4.	Ms. Vaishnavi Borse	Dr V V Kulkarni	Oral Pathology & Microbiology	Effect of Application of Turmeric on the Surface of Enamel
5.	Mr. Pratik Maity & Ms. Khabiya Prerana	Dr.Rajshekhar Halli Dr.Sudhir Pawar	Oral & Maxillofacial Surgery	“Efficacy Of Turmeric And Tulsi In Management Of Oral Submucous Fibrosis- A Clinical Study. ”
6.	Ms. Shubhita Sethi & Ms. Dhvani Vasa	Dr. Siddharth Shinde	Orthodontics	Evaluation of tongue position from rest to centric occlusion in subjects of skeletal class II division 1, skeletal class II division 2 and skeletal class I normal occlusion- a cephalometric comparative study.
7.	Ms. Manali S. Bhansali	Dr. Praveena Kulkarni Dr. V. V. Kulkarni	Oral Pathology & Microbiology	A comparison of Methylene Blue-Acid Fuchsin stain to Alizarin Red S stain for differentiating calcification and cementum-like material in oral lesions.
8.	Ms. Ankita. S.Kharose	Dr.Praveena. Kulkarni Dr.V.V.Kulkarni	Oral Pathology & Microbiology	Comparative evaluation of colour change and enamel surface texture change on extracted teeth following application of strawberry and banana peel
9.	Ms. Purva Doshi	Dr. Priya Deo Dr.Rashmi Sane	Oral Pathology & Microbiology	Comparative estimation of dental age by using Demirjian’s and Nolla’s method among Maharashtra population