

DEPARTMENT OF ENDODONTICS

Dissertation topics and names of Guides and students

S. No	Name	Guide of the research	Year	Title of project
1.	Dr. Swati Gupta	Dr.D.Arunagiri	2006	To evaluate and compare the influence of dietary solvents on the shear bond strength of ormocer based composites, hybrid composite and resin modified Glass ionomer cement- an in-vitro study.
	Dr. Priyanka Chandra	Dr Shashi PrabhaTyagi		Evaluation of post tensile and post/core shear bond strength of four stainless steel endodontic post designs: an in –vitro study.
	Dr.RuchiDhir	Dr.D.Arunagiri		A comparative study of degree of conversion (DDC) and marginal adaptation of hybrid composite resins with nanocomposite resins when exposed to visible light cure (VLC) unit and light emitting diodes(LED): an in vitro study.
2.	Dr. Gaurav Nautiyal	Dr.D.Arunagiri	2007	To compare the sealing ability of a new silicon-based root canal sealer(Gutta Flow) with two different root canal sealers-zinc oxide eugenol and AH26: an in vitro study.

	Dr.RajniNarula	Dr.D.Arunagiri		Comparative study of microleakage in class V cavities restored with conventional glass ionomer cement, resin modified glass ionomer cement and micro-hybrid flowable composite resin, after exposure to bleaching with 10% carbamide peroxide solution: an in vitro study.
	Dr. Neha Tikku	Dr Shashi PrabhaTyagi		A comparative study evaluating the sealing ability of three root end filling materials-IRM, Super EBA and MTA: An in-vitro study.
3.	Dr.CharuBatra	Dr Shashi Prabhatyagi	2008	A comparative evaluation of shear bond strength of three different one-step self-etch adhesives with and without additional phosphoric acid etching of enamel- an in vitro study.
	Dr.Shalu Mahajan	Dr UdaiPratap Singh		To compare and evaluate the effect of a new resin based resin epiphany system on fracture resistance of endodontically treated roots with different pairings of resin epiphany AH Plus and guttapercha- an in vitro study.
	Dr.VipulGoel	Dr Shashi Prabhatyagi		A comparative evaluation of efficacy of two rotary and one hand instrument in removal of guttapercha during endodontic retreatment- an in vitro study

4.	Dr. Nitin Maitin	Dr UdaiPratap Singh	2009	To compare and evaluate the shaping ability of four different rotary endodontic file systems on extracted molar teeth: an in-vitro study.
	Dr.Rashi Agarwal	Dr Shashi Prabhatyagi		Effect of different root canal irrigants on the sealing ability of two one-step self etch adhesives in pulp chamber : an in-vitro study.
	Dr. Sandeep Kaushik	Dr Shashi Prabhatyagi		To compare and evaluate the effect of immediate and delayed post space preparations on the apical sealing ability of resilon epiphany system obturated with two different techniques: an in-vitro study.
5.	Dr.AbhinavC haubey	Dr Shashi Prabhatyagi	2010	A comparative evaluation of efficacy of a manual and rotary canal brush in smear layer removal : An SEM study.
	Dr.RadhikaVerm a	Dr UdaiPratap Singh		Effect of different surface pre-treatments on the bonding durability of the resin dentin interface : an in vitro study.
	Dr.Saumyaro y	Dr Shashi Prabhatyagi		Root canal morphology of mandibular premolars in a north Indian population: an in vitro study.
6.	Dr.Deepika Singh	Dr Shashi Prabhatyagi	2011	Comparison of adequacy of final working length determination by an apex locator with radiography: An in-vitro study.
	Dr.ShivAdity a Sharma	Dr Shashi Prabhatyagi		Influence of cervical preflaring using different rotary instruments on the accuracy of apical file size determination : A

				comparative in-vitro study.
	Dr.TuhinBharthuar	Dr UdaiPratap Singh		Morphology of maxillary first molar in an Indian population using Spiral Computed Tomography: An in-vitro study.
7.	Dr.Apoorv Sharma	Dr Shashi Prabhatyagi	2012	A prospective randomized double blind trial with 4% articaine with 1:1,00,000 epinephrine in patients with irreversible pulpitis for pulpal anaesthesia in mandibular molar using inferior alveolar nerve block and buccal infiltration technique.
	Dr.ParidhiGarg	Dr Shashi Prabhatyagi		Comparison of antimicrobial efficacy of Propolis, <i>Morindacitrifolia</i> , Neem, Triphala, Green tea polyphenols and 5% sodium hypochlorite against <i>E.faecalis</i> biofilm formed on tooth substrate: An in vitro study
	Dr.Pallavi Sharma	Dr RajniNagpal		Effect of ethanol wet bonding technique and collagen crosslinker application on the microleakage of simplified adhesive bonded to pulp chamber dentin-an in-vitro study.
	Dr. Neha Arora	Dr UdaiPratap Singh		To evaluate the analgesic efficacy of non-selective COX-inhibitor(Ibuprofen) and COX-2 inhibitor of symptomatic patient in post endodontic pain: A prospective randomized double blinded clinical trial.
	Dr.Shraddha Gupta	Dr ChandrakarChaman		Variations in root canal and morphology in maxillary first premolars in North Indian population by clearing technique: an in-vitro study.

	Dr.Sunita Chaudhary	Dr Shashi Prabhatyagi		To determine and compare the centering ability and canal transportation of two different nickel-titanium endodontic rotary files at different torque level utilizing CBCT: an in-vitro study.
8.	Dr.Agrima Vasudeva	Dr Dakshita Joy Sinha	2013	Dentinal tubule disinfection with 2% Chlorhexidine, Propolis gel, Aloe vera gel, honey, Curcuma longa, Calcium hydroxide used as intracanal medicament: An in-vitro study.
	Dr. Deepak agarwal	Dr UdaiPratap Singh		Evaluation of pulp chamber temperature rise by different light sources during light activated bleaching-An in-vitro study.
	Dr.NimishTyagi	Dr RajniNagpal		Shear bond strength of Glass Ionomer Cement with two different types of Mineral Trioxide Aggregate.
	Dr.Prem Prakash	Dr ChandrakarChaman		Evaluation of effect of two natural and one chemical dental unit waterline antimicrobial on shear bond strength to dentin.
	Dr.Shipra Singh	Dr Shashi Prabhatyagi		Effect of prior dentin conditioning and matrix metalloproteinase inhibitor application on the durability of resin dentin bond with one step self etch adhesives: An in –vitro study
	Dr. Zia UIRehman	Dr Shashi Prabhatyagi		Effect of occlusal reduction on post endodontic pain in patients with pre-operative tender on percussion.

9	Dr.Mohd Salman Akhtar	Dr Chandrakar	2014	The correlation between the interorifical distance of mesiobuccal and mesiolingual orifices in permanent mandibular first molar and canal curvature in Indian population: an in vitro study.
	Dr. Sachin Yadav	Dr Shashi Prabhatyagi		Effect of different concentration of sodium hypochlorite of the push out bond strength of Biodentine and MTA : an in vitro study.
	Dr.Kanwar Deep Singh	Dr UdaiPratap Singh		Comparative evaluation of microleakage of different generation bonding agents with and without use of caries disclosing dye:aninvitro study.
	Dr.TusharSha rnam	Dr Shashi Prabhatyagi		Effect of additional hydrophobic resin coat application on immediate and long term bond strength of self etch adhesives to dentin : an in vitro study
	Dr.Payal Singh	Dr Rajni Nagpal		Effect of dentin biomodifiers on immediate and long term strength of etch and rinse adhesive to dentin: an in vitro study.
	Dr. Natasha Jaiswal	Dr Dakshita		Evaluation of antimicrobial efficacy of Propolis, 1% Acetic acid, 2% Chlohexidine, Chitosan + Chlorhexidine and 5% Sodium

				hypochlorite on <i>Enterococcus faecalis</i> biofilm formed on tooth substrate: An in vitro study
10	Dr. Nabila Sharif	Dr Shashi Prabhathyagi	2015	Comparison of sealing ability of biodentine, Mineral trioxide aggregate Plus and resin modified GIC as Furcation repair materials : A Dye Extraction Method
	Dr.Urja Ahuja	Dr Dakshita		Effect of different cavity disinfectants on resin bond strength of composites-An in vitro study
	Dr.AyazMallik	Dr Chandrakar		The influence of rotary and reciprocating instrumentation technique on the incidence of post-operative pain after endodontic treatment
	Dr. Rahul Gupta	Dr Shashi Prabhathyagi		Comparison of efficacy of rotary and reciprocating retreatment NiTi file with and without solvents: an in vitro study
	Dr.Ankit Agarwal	Dr UdaiPratap Singh		Evaluation of apical debris extrusion during root canal preparation using hand K file, Revo S, Protaper Next and wave one file system: An in vitro study
	Dr.Onkar Singh	Dr RajniNagpal		Durability of bonding of simplified adhesives to dentin following cross linking treatment: An in vitro study
11.	Dr.Ankur Pandey	Dr.UdaiPratap Singh	2016	Evaluation of dentinal microcracks formation during root canal preparation by different file systems: SEM study
	Dr. Prashant Verma	Dr.ChandrakarChaman		Post-obturation pain experience following one visit and two visit root canal treatment on teeth with vital pulp: A randomized control trial
	Dr. Sameer Ahmed Khan	Dr.RajniNagpal		Fracture resistance of endodontically treated teeth after instrumentation with different NiTi

				rotary file systems: An in-vitro study
	Dr.ShivikaGoyal	Dr.Dakshita Joy Sinha		Comparative evaluation of effect of chlorhexidine, Azadirachta indica (neem) and Aloe barbadensis Miller (aloe vera) on resin-dentin bond stabilization using shear bond strength testing: An in-vitro study
	Dr.NidaHaider	Dr.RajniNagpal		Effect of different etching modes on shear bond strength of universal adhesives on enamel and dentin: An in-vitro study
12.	Dr. Gaurav Rawat	Dr.Dakshita Joy Sinha	2017	Effect of four single file systems on dentinal cracks formation: An in-vitro study
	Dr.Nipun Sharma	Dr.ChandrakarChaman		Evaluation of fracture resistance of endodontically treated teeth restored with conventional, fibre reinforced and dual cure core build up composite: An in-vitro study
	Dr.ParushiTandon	Dr.UdaiPratap Singh		Evaluation of shear bond strength of composite to tri-calcium silicate based materials using three different universal adhesives: An in-vitro study
	Dr. Sajal Agarwal	Dr.RajniNagpal		Effect of different anti-oxidants on the shear bond strength of a universal adhesive to smear layer-deproteinized dentin: an in-vitro study