MARATHA MANDAL'S NATHAJIRAO G HALGEKAR INSTITUTE OF DENTAL SCINECS & RESEARCH CENTRE, BELAGAVI.

Name of Department: - Dept of Prosthodontics Crown and Bridge

Completed Projects

Sno	Title of the Project	Year of start
1.	Comparative evaluation of water sorption and solubility of soft denture liners when stored in distilled water, 5.25%sodium hypochlorite and artificial saliva - An in-vitro study	2017
2	A comparative study evaluating the masticatory efficiency of individuals with natural dentition, balanced complete dentures, mandibular implant retained and implant supported prosthesis using surface EMG	2017
3	A comparative evaluation of bite force and qualitative assessment of masticatory comfort and function between individuals with natural dentitions, convention complete removable prosthesis, implant supported fixed and implant supported removable prosthesis	2017
4	Comparative evaluation of ozonated water with commercially available denture cleanser against predominant aerobic and anaerobic microorganism adhered on heat cure acrlic resin in type 2 diabetic edentulous patients- An ex-vivo study	2017
5	Comparison of mechanical properties of three different resins used for fabrication of provisional restoration in fixed partial dentures before and after storage in artificial saliva- An in-vitro study	2017
6	Comparison of antifungal efficacy of Garlic and Clotrimazole after incorporation in denture soft liner : An in vitro study	2018
7	A comparative evaluation of marginal and internal fit of interim implant supported fixed partial denture crowns fabricated using 2 different 3D PRINTERS AND CAD CAM milling - an in vitro study	2018
8	To evaluate and compare the dimensional accuracy of two commercially available polyvinyl siloxane impression materials at two different time intervals using two- step impression techniques- An in vitro study.	2018
9	A comparative evaluation of dimensional stability of three types of interocclusal recording materials - An in-vitro study	2018
10	An In-vitro study to evaluate the anti microbial efficacy of nano Silver and nano Titanium dioxide particles incorporated in Polymethyl methacrylate resins against *Candida albicans* and *Streptococcus mutans* .	2018
11	Evaluation of antimicrobial properties of tissue conditioner incorporated with silver nanoparticles- An invitro study	2019
12	Comparison of the effect of ferric sulphate medicament on the	2019

	dimensional stability of three commercially available polyvinyl siloxane impression material- An in-vitro study	
13	Comparison of titanium dioxide nanoparticles and silver nanoparticles for flexural strength when incorporated in heat cure acrylic denture base resin: An invitro study	2019
14	Comparative evaluation of trueness of implant surgical guide fabricated using two different 3D printers- An in vitro study	2019
15	Evaluating and comparing antifungal efficacy of *Aloe Vera* and tulsi incorporated in denture soft liner.- An invitro study	2019
16	Evaluation and Comparison of efficacy and dimensional accuracy of polyvinyl siloxane impression materials after chemical disinfection and microwave irradiation - an Invitro Study	2019
17	Evaluation and Comparison of efficacy and dimensional accuracy of polyvinyl siloxane impression materials after chemical disinfection and microwave irradiation - an Invitro Study	2020
18	Comparative evaluation of antimicrobial properties of alginate impression material incorporated with and without silver and titanium dioxider nano particles. An Invitro Study	2020
19	Biosynthesis and Osteogenic effect on iron oxide nano particles extracted from tinospora cordifolia when coated on titanium alloy - An Invitro Study	2020
20	Comparison of the efficacy of cooling technique and matrix materials on the intra pulpal temperature during provisionalization by direct technique. An Invitro Study	2020
21	Evaluation and Comparison of antifungal properties of tissue conditioners with and without Curcumin nano particles. An Invitro Study	2020

Ongoing Projects

Sno	Title of the Project	Year of start
1.	Comparison of effect of cooling techniques on the intra pulpal temperature rise using two different provisional materials during provisionalization by direcft technique. An Invitro Study.	2021
2	Biosynthesis and osteogenic effect of serium oxide Nano particles extracted from *Aleo Barbadensis* Miller when coated on titanium alloy. An Invitro Study	2021
3	Evaluation and Comparison of Anti-fungal properties of tissue conditioners incorporated with and without Hibiscus extract. An Invitro Study	2021
4	An In-vitro Study to compare the effect of Three different commercially available denture adhesive matwerials on the growth of Candida Albican and Streptococcus mutants	2021