

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

Academic year (2017-2022)

Name of the Department: - Orthodontics & Dentofacial Orthopedics

Completed Projects

SL.No	Title of the Project	Year of completion
1.	Evaluation and comparison of surface deterioration and elemental composition of retrieved temporary anchorage devices	2017
2.	Measurement of proximal enamel thickness and crown measurements in maxially first premolars	2017
3.	Assessing the effects of submucosal injection of platelet rich plasma (PRP) in accelerating orthodontictooth movements	2017
4.	Applicability of peck and peck analysis: a study on Tibetan population of Mundgod	2017
5.	Tooth mineralization stages as diagnostic tool for assessment of pubertal growth – A cross sectional; radiographic study	2018
6.	Radiographic assessment of factors related to lower third molar eruption in different facial growthpatterns :A cross sectional study	2018
7.	Evaluation of systemic levels of nickel and chromiumduring orthodontic treatment using human hair as a biomarker: A prospective study	2019
8.	Correlation of cranial base dimension with mandibular morphology and facial heights in different growth pattern among belagavi population: A retrospective study	2019
9.	Cytotoxic assessment of commonly used orthodonticarch wires : An in vitro study	2019
10.	Comparing the effects of submucosal injection ofplatelet rich plasma (PRP) with micro-osteoperforation in accelerating orthodontic tooth movement: An In-vivo study.	2020
11.	Assessment of Cytotoxicity of three orthodontic bonding adhesives on human oral fibroblasts: An In-vitro study.	2020
12.	Evaluation and comparison of centrographic analysiswith conventional cephalometrics in determining skeletal discrepancy: A cross sectional radiographic study.	2020

13.	Attire and appearance of orthodontist – a Questionnaire study	2020
14.	Evaluation & Comparison of salivary alkaline phosphatase activity, protein concentration and chronological age as indicators for skeletal maturity : A cross-sectional study	2021
15.	Assessment of sagittal and vertical lip positions in different skeletal growth patterns – A cross sectional study	2021
16.	Evaluation and Comparison of force degradation of commonly used elastomeric chains in orthodontics- An In-Vitro Study	2021
17.	Clinical assessment & comparative evaluation of the effects of Hawley's retainer & Essix retainer on the periodontal health- An In vivo study	2022
18.	Comparative assessment of Maxillary arch changes after leveling & alignment using Selfy Self Ligating & 3M Gemini conventional Brackets- An In vivo study	2022
19.	Dentoskeletal & soft tissue changes concurrent use of powerscope appliance in treatment of class II malocclusion- A retrospective Cephalometric study	2022

Ongoing Projects

Sl.No	Title of the Project	Year of start
1.	Comparing the effects of low level laser therapy with micro-osteoperforation in accelerating orthodontic tooth movement: An In Vivo study	2021
2.	Assessment of canine and lateral incisor root dimension along with alveolar bone thickness in patients with displaced canines: A cone beam tomographic study	2021
3.	Correlation between growth pattern and curve of spee – A retrospective study	2021