



**“EVALUATION OF OBTURATION USING A NEW PASTE CARRIER SYSTEM  
IN PRIMARY MOLARS – AN IN-VIVO COMPARATIVE STUDY”**

By

**Dr. SARANSH AGARWAL**

Dissertation Submitted to the  
Rajiv Gandhi University of Health Sciences, Karnataka, Bangalore

In partial fulfillment  
of the requirements for the degree  
of

**MASTER OF DENTAL SURGERY (M.D.S)**

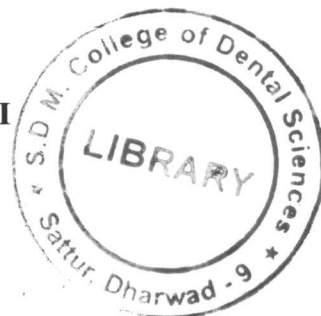
in

**PEDIATRIC AND PREVENTIVE DENTISTRY**

Under the guidance of

**Dr. ANAND TAVARGERI**

**PROFESSOR**



**DEPARTMENT OF PEDIATRIC AND PREVENTIVE DENTISTRY**

**S.D.M. COLLEGE OF DENTAL SCIENCES & HOSPITAL, DHARWAD**



April 2019

## **ABSTRACT**

**Title:** - “EVALUATION OF OBTURATION USING A NEW PASTE CARRIER SYSTEM IN PRIMARY MOLARS – AN IN-VIVO COMPARATIVE STUDY”

**Purpose:** To compare and evaluate two different obturating techniques in primary molars using Engine driven and Hand-held Pastinject instrument.

**Aim:** -To assess the efficacy of the obturation technique in primary molars using Pastinject instrument

**Objectives:-**

1. Sealing ability of the root canals with Pastinject instrument
2. Quality of obturation with Pastinject instrument

**Materials and Methods:**

The study group consists of 40 healthy children who have at least one decayed primary molar which is indicated for pulpectomy. The children were randomly selected based on the inclusion and exclusion criteria. Pulpectomy procedure was performed and obturation was carried out with Engine driven and Hand-held Pastinject instrument. Evaluation was performed by blinded examiners according to the respective criteria. Data was tabulated and analyzed.

**Results:** This study showed no statistical significant difference in obturation between Engine driven and Hand-held Pastinject instrument.

**Conclusion:** Engine driven and Hand held Pastinject showed same quality of obturation in primary molars.

**Keywords:** Pulpectomy, Obturation, Pastinject