



**Journal of Prosthodontics Dentistry**  
**An Official Publication of Bureau for Health & Education Status Upliftment**  
(Constitutionally Entitled as Health-Education, Bureau)

**CASE REPORT**

**Customised Metal Post and Core Design for Primary Posterior Teeth**

*<sup>1</sup>Dr. Avantika Tuli, <sup>2</sup>Dr. Prerana Bhatt, & <sup>3</sup>Dr. Nitin Khanduri*

<sup>1</sup>Professor and Head, Department of Pediatric and Preventive Dentistry, Seema Dental College and Hospital, H.N.B Garhwal University, Rishikesh, Uttarakhand, India.

<sup>2</sup>Post Graduate Student, Department of Pediatric & Preventive Dentistry, Seema Dental College & Hospital, H.N.B Garhwal University, Rishikesh, Uttarakhand, India

<sup>3</sup>Reader, Department of Pediatric & Preventive Dentistry, Seema Dental College & Hospital, H.N.B Garhwal University, Rishikesh, Uttarakhand, India

**Email Id:** [serviceheb@gmail.com](mailto:serviceheb@gmail.com)

**Introduction:**


The most frequent dental condition in children is dental caries. Early childhood caries is defined as "the presence of 1 or more decaying, missing (due to caries), or filled tooth surfaces in any deciduous tooth in a child 71 months old or younger," in line with the American Academy of Pediatric Dentistry. The maxillary central incisors, maxillary lateral incisors, and maxillary and mandibular first primary molars are the teeth most typically involved in clinical assessments of this condition. When children's teeth become infected with endodontic disease, the foremost common concern is whether or not the teeth should be saved or extracted.<sup>1</sup>

In the previous decade, tooth extraction was the sole treatment option, that further resulted towards failure of vertical dimension, significantly reduced masticatory efficiency, development characterized by repetitive habits (tongue thrusting, speech problems), aesthetic issues like malocclusion, and psychosomatic issues that would affect the child's personality and behavioural development.<sup>2,3</sup>

Rather than extracting teeth, this emphasis is on conserving them.

To reconstruct compromised teeth with sufficient tooth structure, innovative materials like polycarbonate crowns, strip crowns, art glass crowns, veneered chrome steel crowns, and maybe other materials are used in recent decades. In situations when the teeth are significantly compromised and therefore the crown structure has been eliminated,

certain material, at the other hand, are unable in holding occlusal stresses. As a consequence, retaining post and core systems are developed for effective endodontic therapy completion. A fundamental replacement for an endodontic tooth which is able to support a coronal restoration is formed comprised of a post, core, and luting or bonding agents.<sup>5</sup>

<b>Access this Article Online</b>	<b>Quick Response Code:</b> 
Website: <a href="http://heb-nic.in/jopd">http://heb-nic.in/jopd</a>	
Received on 2/03/2022	
Accepted on 07/03/2022 © HEB All rights reserved	