



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

## Revolutionizing Occlusal Vertical Dimension Measurement: Contemporary Technological Advances and Clinical Implications

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**Abstract:**

Recent dental technology advances have revolutionized occlusal vertical dimension (OVD) recording, primarily through digital tools like intraoral scanners and CAD/CAM systems. Introduction: This article explores the transformative impact of digital technologies on OVD measurement in dental practice. Materials and Methods: The review discusses the historical context and progression of software and digital tools for OVD measurement. It covers advantages, disadvantages, indications, and contraindications for adopting these technologies. Discussion: Digital methods excel in OVD recording, eliminating errors, offering real-time feedback, providing quantitative data, enhancing reproducibility, and facilitating visualization. Virtual articulators enable precise adjustments, and digital methods integrate seamlessly with other dental technologies. Conclusion: Recent technological advances signify a pivotal transformation in modern dentistry. Dentists and prosthodontists are encouraged to judiciously embrace these innovations, recognizing their potential to reshape the dental landscape and improve patient outcomes.

**Keywords:**

**Occlusal vertical dimensions, Prosthodontics, Digital Dentistry.**

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Website: <a href="http://heb-nic.in/jopd">http://heb-nic.in/jopd</a>	
Received on 03/09/2023	
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