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**Preserving the existing Occlusal vertical dimension through interim
immediate denture rehabilitation**

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Abstract:

Introduction: The preservation of the Occlusal Vertical Dimension (OVD) holds paramount importance in the domain of immediate dentures. These dentures, designed to replace missing teeth right after extractions, require meticulous attention to maintaining the patient's natural occlusion. The OVD, the vertical distance between the maxillary and mandibular arches when the teeth are in contact, significantly influences denture stability, comfort, and function. Ensuring precise OVD preservation in immediate denture cases is essential for achieving successful treatment outcomes and patient satisfaction. **Materials and Methods:** This article delves into the significance of OVD in immediate dentures and explores various techniques and considerations involved in effectively preserving it. It discusses the advantages and disadvantages of Interim Immediate Dentures (IID) – dentures inserted immediately after extractions. The indications and contraindications for IID are elaborated upon, providing insights into patient selection. **Discussion:** The discussion highlights the complexities of crafting immediate dentures, emphasizing challenges faced by both dentists and patients due to the absence of a prior try-in. It underscores the role of effective patient communication and informed decision-making in achieving successful dental interventions. A case report of a patient requiring immediate dentures due to missing teeth is presented to illustrate the practical application of this procedure. **Conclusion:** Maintaining the OVD is crucial for the success of immediate dentures. The benefits of Interim Immediate Dentures, including aesthetic appeal, functionality, and bone preservation, are outlined. However, potential fit changes and the need for adjustments are important considerations. Decisions regarding IID should be tailored to the patient's oral health, preferences, and clinical circumstances. This article underscores the significance of OVD preservation in immediate dentures and provides insights into its complexities, clinical application, and implications for patient

care.

Keywords: Occlusal vertical dimension, Aesthetics, Phonetics, Physiological method, Mechanical method, anthropometric measurement.

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