Aesthetic diagnostic wax-up of anterior teeth with DVO increase



Alves T.¹, Manarte-Monteiro P.², Pereira da Silva L.¹, Carvalho A.², Gavinha S.² 21635@ufp.edu.pt



¹ Postgraduation CCMD – Faculty Health Sciences, University Fernando Pessoa ² Faculty Health Sciences, Fernando Pessoa University

Introduction

In addition to being a method of communication between the intervenients of an oral rehabilitation, the diagnostic wax-up (DW) is a helper when it proves necessary to

change the vertical dimension of occlusion (VDO).

Objective/Methods

This clinical review intends to evaluate the parameters achieved by the execution of a DW in aesthetic rehabilitations in the anterior teeth with VDO increase. Bibliographic research was performed on PubMed/Medline with the key-words: "wax-up AND VDO", "diagnostic wax-up" and "anterior dental aesthetics". Systematic reviews, narrative reviews and clinical cases, published in the last 10 years, were included.





Fig. 3 – Study casts for planning a rehabilitation with VDO increase



Fig. 4 – Registration of VDO increase in mouth to transfer to study casts



Fig. 2 – Aesthetic and functional applications of diagnostic wax-up





Fig. 5 – Diagnostic wax-up in planning an aesthetic rehabilitation with VDO increase

Results

14 publications meet the inclusion criteria. There are several DW techniques, including the progressive one. In the presence of large dental destruction with loss of VDO,

DW restores the worn portion of teeth, looking to determine the correct occlusion plane, balanced simultaneous posterior contacts and the anterior guide. From the DW is

possible to acquire mock-ups, temporary or permanent restorations, as well as guides that present themselves as auxiliaries in rehabilitation.

Conclusion

Planning through study casts articulated in centric relation with DW execution

makes it possible to determine details that aid rehabilitations that need VDO

increase.

Clinical implications

In rehabilitations that include accentuated aesthetic and functional changes, among

them the VDO increase, DW is a process that ensures a better predictability of

results.

Key-words: wax-up and VDO; diagnostic wax-up; anterior dental aesthetics; predictability and wax-up; tooth wear and wax-up; diagnosis; planning

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