



TEAMWORK CLINIC XXV DENTALEVANTE - Bari 8 - 9 NOVEMBRE 2019

PROTESI TOTALE : DIGITALEANALOGICO

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ABSTRACT

Aim-Historically, the complete removable denture has been the last prosthetic procedure to follow the digitization because of drawbacks into the intraoral scans of edentulous arches; in addition, it is impossible to record muco-compressive impressions through IOS. So, a full digital procedure is not yet conceivable.

We considered the possibility of an “hybrid” protocol thanks to a specific software. The hybrid protocol requires traditional techniques for the anatomical impression followed by laboratory scan of casts and wax.

Methods-The software consists in two synergic programs:

-Ruthinium Digital Preview allows to have a picture of the prosthetic project and change it previously, thanks to two calibrated photographs.

-Ruthinium Denture Guide is a 3D software that helps laboratory work into denture production, particularly to achieve a correct setting of acrylic teeth. The planned dental setting is printed in a template.

Template and base plate, both 3D printed, are connected thanks to a structure that ensures the designed occlusal scheme. Teeth are plugged in the template.

Results-To the current day, the collected clinical cases did not allow a statistic analysis about patient and clinical satisfaction through evaluation questionnaires.

Conclusion-It looks like that patients appreciate the prosthetic rehabilitation previsualization and in particular being actively involved in aesthetic choices. Clinically, it appears to be a shorter need for touch-ups at the last appointment; probably because of the 3D tooth position planning.