Dental Medicine 2017- Tempocopy, a protocol to achieve complete oral rehabilitations copying the provisional prosthesis by means of CAD/CAM- Dirk Neefs- Vrije Universiteit Brussel, Europe

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Abstract

Introduction & Aim: A method to achieve complete oral rehabilitation with predictable success. Applicable to oral rehabilitations with fixed prosthesis on teeth and/or implants. We use the fixed provisional restorations to determine the centric occlusion and dental morphology for an optimal functional outcome on a periodontal, phonetic and aesthetic level. Materials & Methods: We prepare every case of rehabilitation in a classical way, using die cast models, diagnostic wax up, CBCT scan, surgical guide and a thermoplastic mold of our wax up in order to achieve provisional methacrylate crowns made intra orally. In order to deprogram the masticatory muscles and finding the centric occlusion, a Lucia Jig is then incorporated in the provisional crowns. After a minimal time of 10 minutes the centric position is located. Adding methacrylate posterior occlusal stability and lateral guidance is optimized. Esthetic and phonetic adaptations are made. If there are neither subjective nor objective problems the next weeks of follow up, we scan our provisional bridge. This virtual bridge then was positioned on the virtual model and all the parameters controlled. Finally the technician makes the reduction on the virtual structure for later ceramic covering and this design is send to the Zirconia milling machine. Results: Achieving the occlusion in centric relation, reestablishing the TMJ in its physiological position makes us realize full arch rehabilitations with a very good long term prognosis. Conclusion: The Tempocopy protocol allows us to work with much more predictability in aspects of occlusion, periodontics, phonetics and aesthetics.

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