

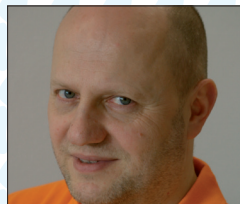
EBF (Eccentric Bar Fixation) system relies on stress compensation between implants and the bar thanks to the application of innovative eccentric abutments.

Producer



Poznan University of Medical Sciences has a modern factory specialized in the manufacturing of medical devices used in implant surgery. The manufacturing process involves a very accurate machine cutting technology of biocompatible materials (CAD/CAM) controlled from digital machining centers. Thanks to this advanced technology we are able to meet the most rigorous quality standards. All processes are performed in a controlled cleanness environment - cleanroom class 100 000. Our plant meets the European quality standards (ISO 9001, ISO 13485, 93/42/EEC)

Author



Dr. Christoph T. Sliwowski is a specialist in dental implantology and has been recognized internationally. For many years he has been a lecturer and trainer in dental and implant surgery. He has published several course books and scientific papers in the area of implantology. Based on his profound clinical experience gathered in his clinic in Mülheim, and now in Düsseldorf he has developed proprietary structural solutions of the S.O.S. system and methods of treatment therewith



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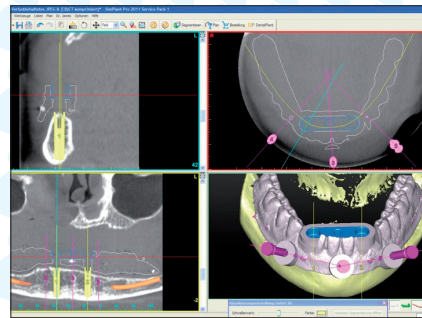
Innovative concept of implant treatment of the edentulous mandible

The bar-based retention system developed by Dr. Christoph T. Sliowski enables the surgeon to prepare full dentures, in cases of edentulous mandibles, stabilized on a prefabricated bar fixed on two implants. The implants are inserted in a flapless approach with the use of a surgical template prepared based on CT modelling. Such implantation enable a dentist to immediately fix dentures sparing the trouble related to prolonged time for the preparation of individual fixing components. A technical solution that makes the afore-described technique possible involves the use of a set of two matching elements: the bar and its casing. The bar is fixed on the implants, whereas the casing is mounted in the denture base.

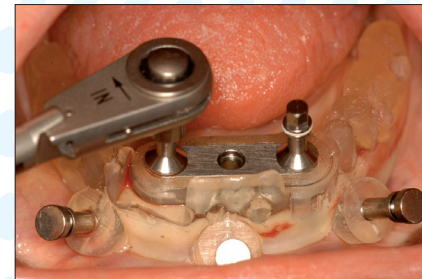
Patents:
 EP 2481372 (A1) - A retentive system to fix a complete denture in a mandible
 EP 2106768 (A1) - Method of stabilizing a complete denture in the lower jaw and a bar retention system to apply this method

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The arrangement plan for determining of the implants and bar location.



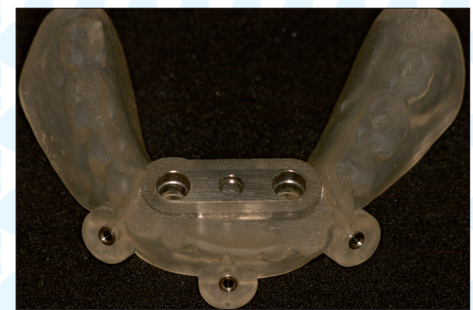
Minimally invasive flapless implant surgery.



Fixing the prefabricated titanium bar in place. EBF system enables a passive connection between the bar and the implants.



Fixation of the denture. Instructions on how to use the bolt-mechanism.



Preparation of a surgical template



Laboratory stage: Incorporation of the prefabricated casing into the denture.