

Complete Reconstruction of the Dentition Using Dental Implants

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The authors describe their own therapeutic protocol, in which the hopeless natural dentition is replaced by maxillary and mandibular fixed full-arch bridges. All operations proceed in local anesthesia and in an out-patient setting. During the 15-month treatment period the patients have fixed provisionalizations.

This therapeutic protocol consists of 5 steps. First, remaining (1) maxillary and (2) mandibular teeth are removed. Transitory implants are immediately inserted and immediately provisionalized with cement-retained bridges. (3) After 5 months the bone is healed and insertion of 8 "permanent" implants in the maxilla with bilateral sinus lift follows. The central 6 implants are immediately loaded with screw-retained temporary bridge. (4) The next step is a placement of 5 interforaminal implants and their immediate loading with screw-retained mandibular temporary bridge. (5) The last step is manufacturing of lower and upper screw-retained final bridges with CAD/CAM frameworks.

At the workplace of the authors this protocol has been carried out since 2006 and due to its high effectivity and success rate it became a part of their daily implantological practice.