Some patients who are fully edentulous prefer fixed instead of removable prostheses. Current choices for full arch frameworks for implant-supported fixed prostheses are conventional cast metal, CAD/CAM milled titanium and CAD/CAM milled zirconia. This clinical report describes the steps involved in the fabrication of implant-supported milled zirconia fixed complete dentures for a patient with both a fully edentulous maxilla and a fully edentulous mandible.


Fabrication of Milled Zirconia Screw-Retained Fixed Maxillary and Mandibular Complete Dentures: Clinical and Laboratory Procedures

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Clinical Report

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RESOURCES

Summary

The screw access channels are sealed with composite resin, rendering them easily retrievable without destroying the prostheses. There are no concerns with subgingival cement retention since they are screw retained. Use of gingival colored porcelain avoids multiple surgical grafting procedures. The posterior occlusion is first developed in group function, then the cuspids are designed for immediate disclusion. Should wear occur on the cuspids the group function will already have been prepared. In summary, a procedure for screw-retained implant-supported full dentures has been described.

REFERENCES