



Retrieval of Cement-Retained Implant Bridge "A Case Report"

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BACKGROUND

Repeated screw loosening is one of the most common complications in implant prosthodontics. It is easier to retrieve the screw in screw retained prosthesis. However it is more difficult with cement-retained prosthesis especially after permanent cementation.¹⁻³

KEYWORDS:

Cement Retained Implant Bridge, Screw Loosening and Retrievability.

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PROCEDURE

In this case report a novel simple approach for locating the screw hole of the abutment precisely and then unscrewing both the abutment and the cement retained bridge as one unit.

1. The exact position of the screw hole was identified by using resin index with impression post on the patient's cast.
2. The impression post was removed and the resin index was transferred to patient's mouth.
3. The access hole position was marked with a soft marker to locate the exact screw position.
4. Drilling with a high speed bur was performed until reaching the abutment screw to retrieve the cemented bridge.
5. After managing the cause of prosthetic screw loosening, tighten the screw again.
6. Fill the small hole with composite restoration.



Master cast with impression coping posts



Resin index over impression post



Preoperative occlusal view



Soft marker to locate exact hole position



Drilling till reaching abutment screw



Screw driver to remove the loosen screw



Unscrewing and removal the whole bridge



Fill the hole with composite restoration

CONCLUSION

This simple method could provide a predictable method for retrieving cement retained implant bridges, especially after permanent cementation while maintaining the integrity of both implant fixture and superstructure prosthesis.

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