The management of a prosthetic screw failure

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Abstract

Deatla history. The pollent presented of the periodontal department of the University of the Western Cope with pain on tooth 21. A root fracture was diagnosed and the tooth was removed. A bone level Stroumann implant (A. Imma(Imm)) was piace offer one month (Fig. 12). Osseniteraginal period of three months was considered to the control of the contro

Complications: During the process of removing the temporary implant crown the prosthetic screw could not be retrieved.

Methods: Currently no rescue tools exists for the bone level straumann implant.

The following methods were utilised to try and retrieve

the prosthetic screw.

1.A carbide bur was used in reverse to loosen the

screw.

2.A scaler was used with water in an anti-clockwise

direction.

3. The head of the screw was removed with a diamond.

bur.
4.The mesial and distal contact points were removed

and an artery forceps was used to try and turn the temporary implant crown in an anti-clockwise direction.

All the above procedures was unsuccessful. The decision was made to do a second surger to thy and access the temporary implant abutment. The abutment was accessed after implant expanse and a morquio forcess was used to disolage the abutment of the abutment was cases of their implant expanse and a morquio forcess was used to disolage the abutment followed by referved of the screw (Fig. 7-9). The surgery site was closed utilising sutures and a healing abutment was placed (Fig. 10). Six weeks later on impression as taken for a second temporary crown. The temporary crown was adapted to support the soft fissue and the final impression was taken utilising the Chee (2001) technique (Fig. 11-12). A ziccnola (forumann) abutment was used and the final incrown was cemented (Fig. 13-15).

<u>Conclusion</u>: A second surgery was successfully used in this case to retrieve a prosthetic abutment and screw that could not be retrieved using conventional methods.

Reference: Aknowledgement: Dr Naren Patel CeramiDent



Figure 1











Figure 2















Figure 12







Figure 15

Figure 13 Figure 14