

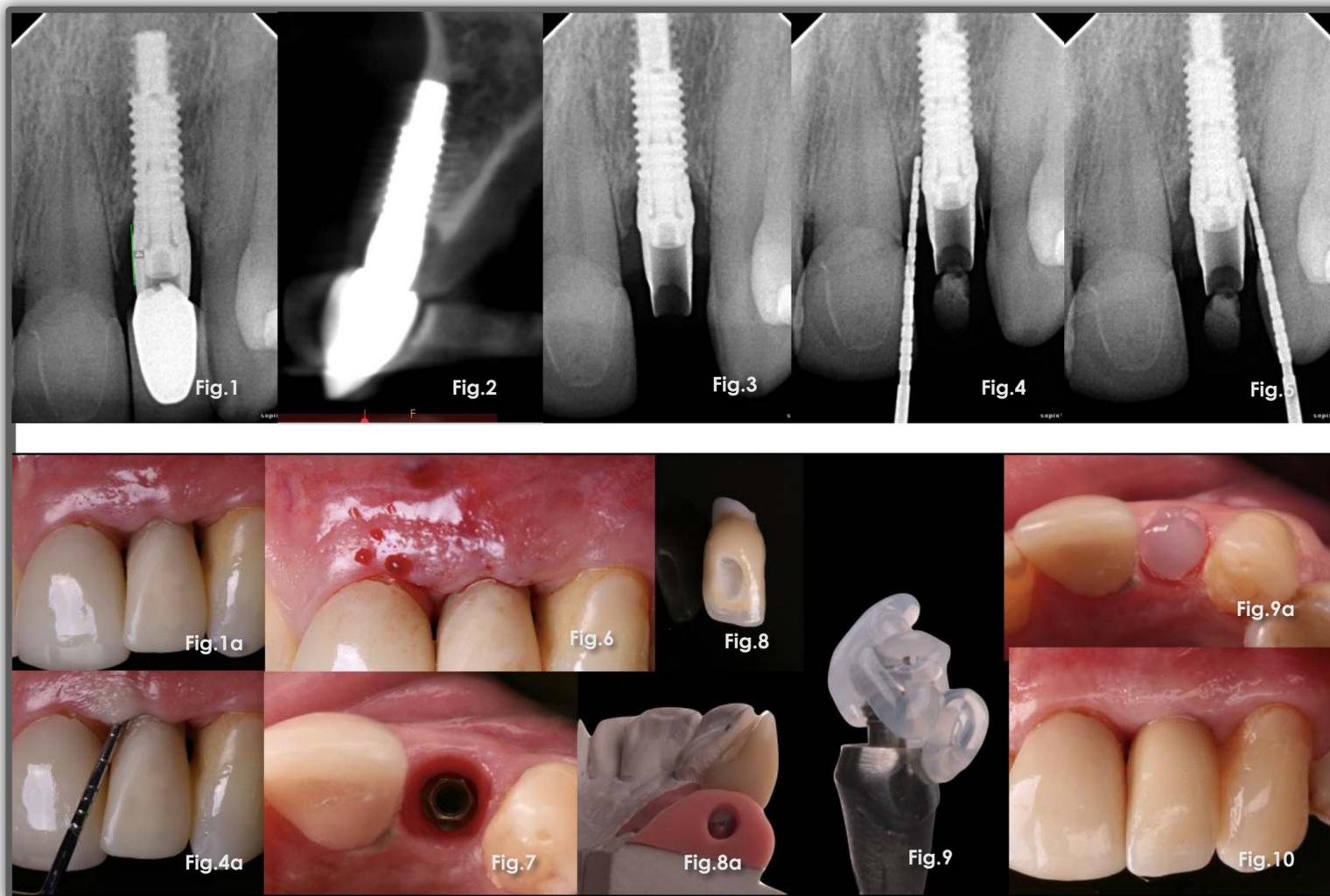


Background & Aim

Implants and their restoration do not always end with a good result. As professionals, we must evaluate each case and provide a viable solution. Marginal bone loss and soft tissue inflammation peri-implant are the most common problems, but aesthetics is most demanding issue. In this case, a series of procedures will be done to extend the life of this implant and restore peri-implant health.

Case Report & Results

A 65-year-old female patient presents at our office, with soft tissue discomfort around an implant-supported crown, corresponding to # 22. Inflammation can be clinically (Fig.1a), verified and radiographically (Fig.1), a mismatch of the crown with respect to the abutment is observed. In addition, bone loss can be observed in the coronal third of the implant Fig. 4, 4a and 5).



Approach & Treatment

After an evaluation and obtained the consent of the patient, the decision was to save the implant, although it had no bone on the buccal face.

The crown and abutment were removed, the abutment was reshaped and a provisional crown was placed. The area was decontaminated with several sessions of BlueM® gel, each time the abutment was disconnected (this procedure was performed every 15 days). Additionally, liquid A-PRF was injected into the mucosa tissue, to create a reparative condition due to increased angiogenesis).

The patient returned at 6 months (due to living in Spain). The new crown was made (cemented to the abutment and screwed to the implant) and the BlueM® gel was placed before the crown was permanently screwed. The patient was monitored after one year, having a satisfactory result, with the normalization of the perimplant soft tissues.

Conclusion

The design of the Abutment and the adaptation to the crown, respecting the biological spaces, are essential to obtain an adequate biological response. The stimulation of tissue growth with the growth factors found in the liquid APRF, promote angiogenesis, in order to promote the repair of connective tissue and therefore, bone repair. The topical oxygen environment with BlueM® gel improve wound healing.

References

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