

TREATMENT OF UNFAVORABLE MANDIBLE FRACTURE WITH OPEN REDUCTION

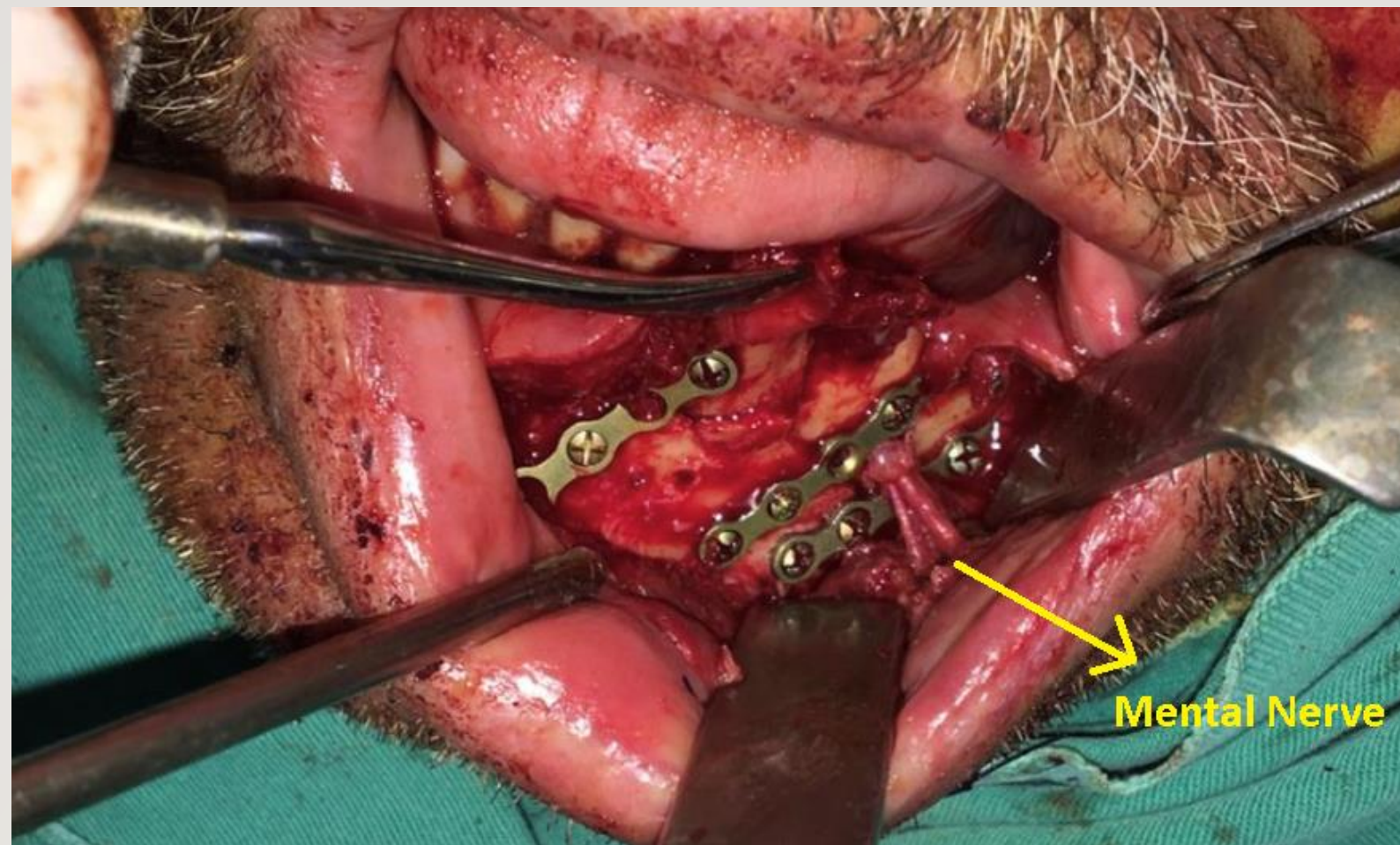
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Introduction

The purpose of fixation of facial fractures with screws and plates is to provide healing without the period of any intermaxillary fixation (IMF) during function or in state of non-function. Therefore; It is essential to provide adequate fixation for each fraction that occurred. The case of providing adequate fixation depends on the type of fracture, patient compliance, and the timing of the surgery.

INTRA-OP

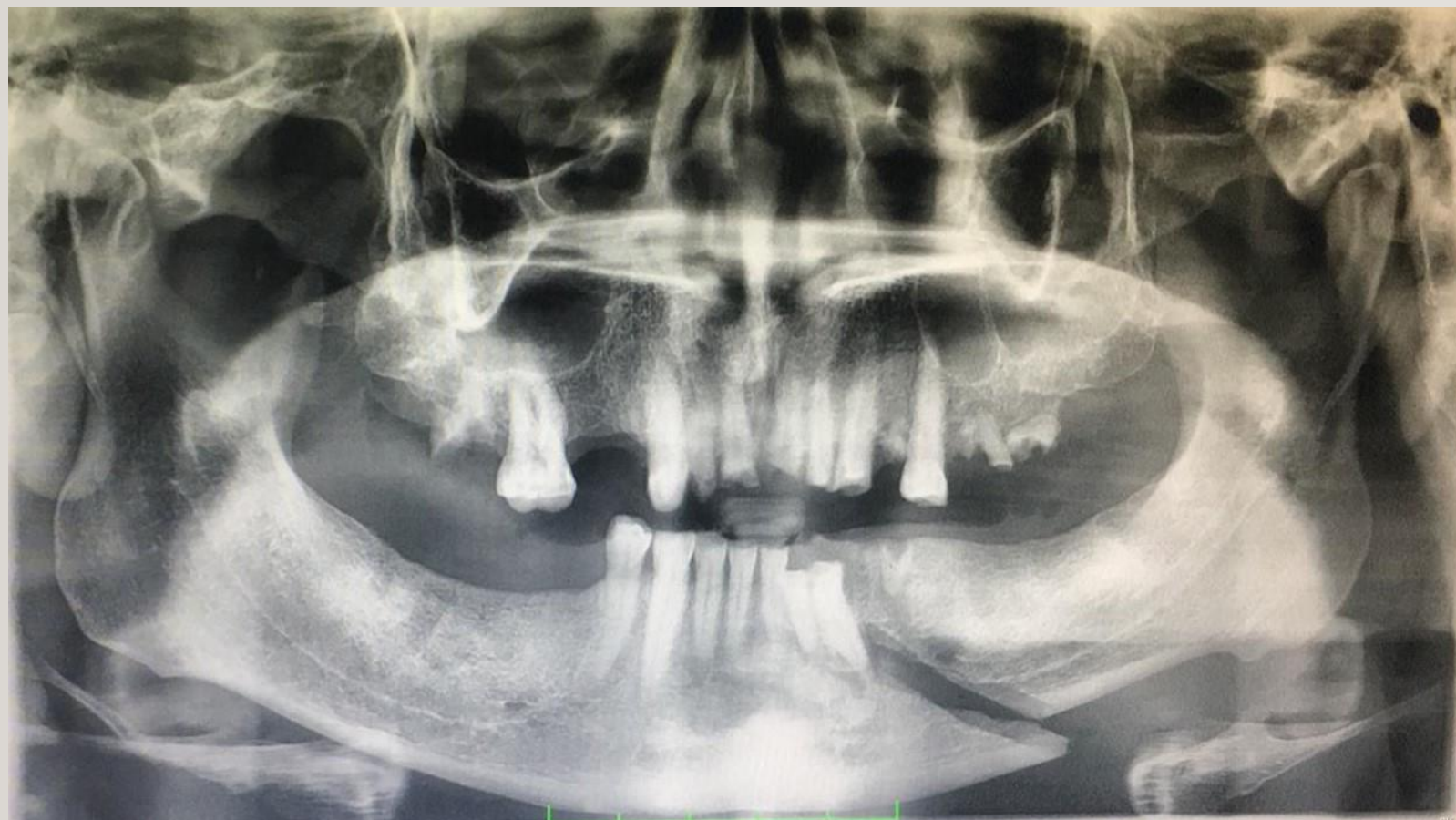


Case Report

The patient, who had a fracture in the left mandible corpus region after a traffic accident was operated under general anesthesia. The fracture line was described as a split fracture due to the muscle traction direction. Miniplates were placed intraorally to the region. Attention was paid to the protection of the mental nerve during the procedure. In the 1st year follow-up panoramic image of the patient, it was observed that the fracture line was completely healed and the patient continued to live content in a clinical sense.

Conclusion

PRE-OP

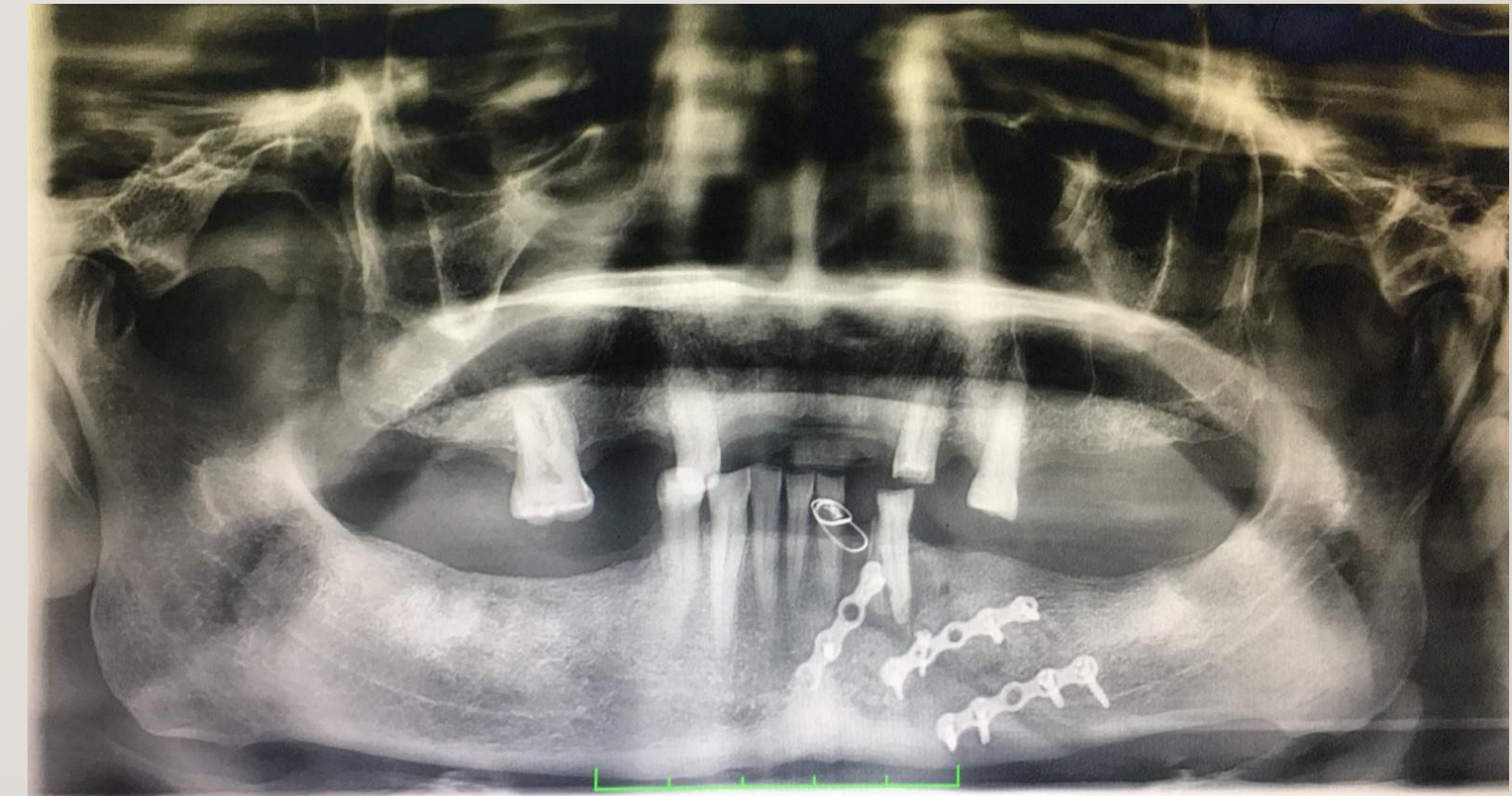


POST-OP 2 WEEKS

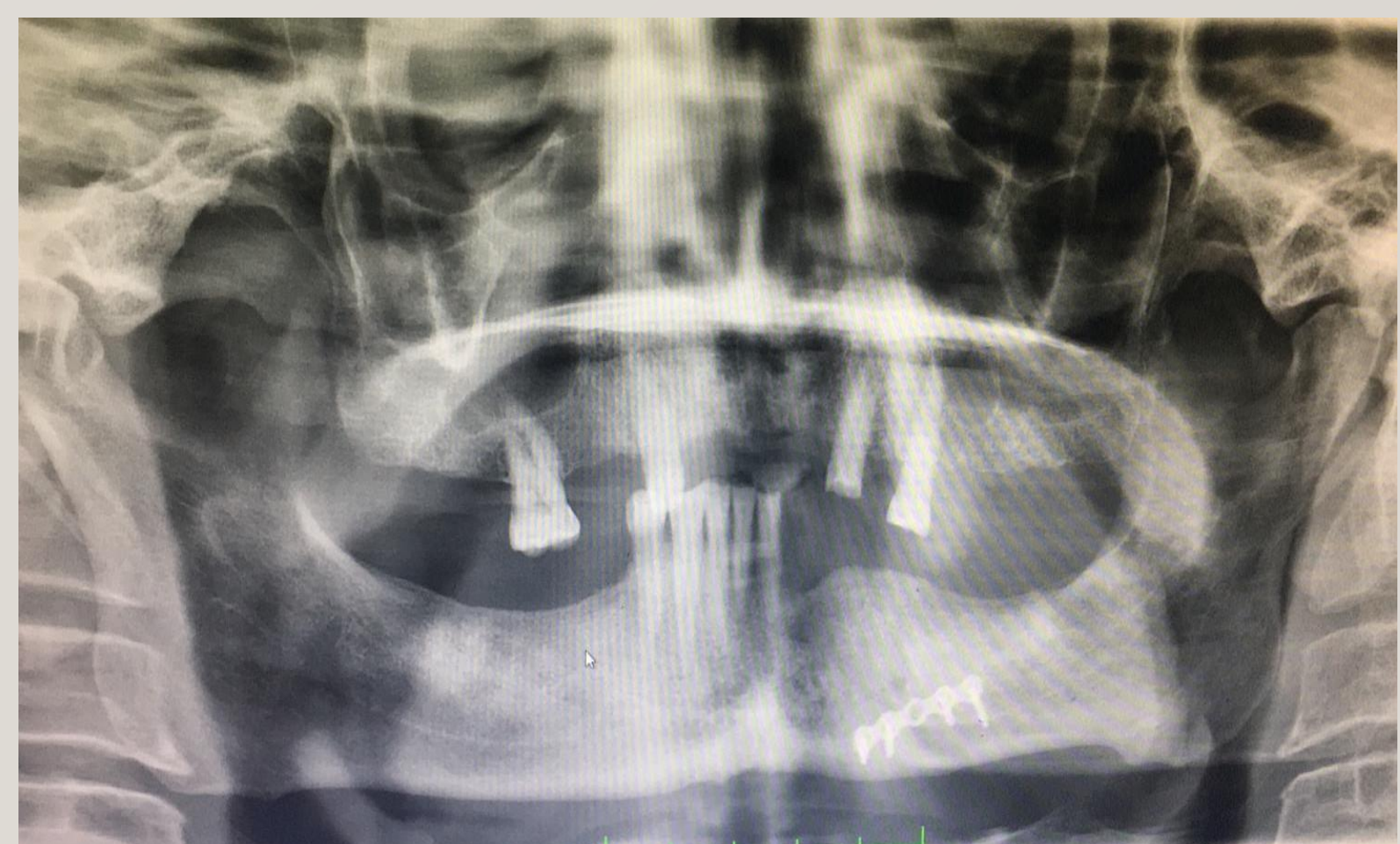


With bones which has been fixated with plate-screw, a rigid fixation which provides stabilization in three surfaces is provided and this stabilization doesn't require additional maxillary fixation. Possible defects in mandible functions are minimized by starting early jaw movements after surgery. As the bone ends are mutually joined together in the line of fracture with no gap between, healing occurs in a shorter period of time.

POST-OP 2 MONTHS



POST-OP 1 YEAR



Resources

Schilli W., Stoll P., Bähr W., Prein J. (1998) Mandibular Kırıklar. In: Prein J. (eds) Kranyo-Yüz İskeletinde Dahili Fiksasyon El Kitabı. Springer, Berlin, Heidelberg

ELLIS, E., CARLSON, DS.:The Effects of Mandibular Immobilization on the Masticatory System. Clin. Plast. Surg. 16:133, 1989.

ARDARY,WC. :Prospective Çlinical Evaluation of the Use of Compression Plates and Screws in the Management of Mandible Fractures. J.Oral Mazillofac. surg. 47:1150, 1989.