

Maxillary Fracture Management in Pregnant Woman With Closed Reduction Method (Case Report)



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Introduction

Maxillary fracture that occurs in pregnant woman is a rare case. Appropriate treatment must be done so that the success of treatment can be achieved.

Case report

A 34 year-old woman came to oral and maxillofacial clinic at Hasan Sadikin Hospital, with chief complain of fracture in her upper jaw. She was 8 months pregnant. Interdental wiring was applied on her teeth in the upper jaw and then closed reduction was performed by the oral and maksilofacial surgeon from Hasan Sadikin Hospital.



Figure 1. Clinical pictures



Figure 2. Intra oral photo



Figure 3. Panoramic X-Ray



Figure 4. Application of interdental wiring dan rubber



Figure 5. Application of rubber

Discussion

Management of maxillofacial fractures is to restore function by ensuring the unification of the bone segments and to restore the bone strength as before the injury, to prevent the occurrence of contour defects that can arise and to prevent infection. Restoration of mandibular function as part of the stomatognathic system must include the ability to have good mastication, speak normally and create a movement of articulation as before the trauma.

Conclusion

Appropriate anamnesis, clinical examination, and test will generate a proper diagnosis and treatment, hence the complications can be avoided.

References

1. American College of Surgeons Committee on Trauma. *Advanced Trauma Life Support*. 9th edition. Chicago : American College of Surgeons, 2012.
2. Moore, U.J. *Principles of Oral and Maxillofacial Surgery*. 8th ed. Oxford: Blackwell-Science, 2011.
3. Mathog RH, editors. *Craniofacial Trauma*. 2nd Edition. Philadelphia : Lippincott Williams & Wilkins, 2015.
4. R.E Leggan, G.C.Wood, M.C. Inceik. *Pelvic fractures in pregnancy : factors influencing maternal and fetal outcomes*. *J Trauma*, Volume 53, 2013.
5. J.B Brodsky, E.N.Cohen, B.W. Brown, J.M.L. Wu, C. Wheeler. *Surgery during pregnancy and fetal outcome*. *Am J Obs Gyn*, Volume 138, 2015.



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