

Film Holder Modification As An Assistive Appliance in Making A Radiographic by Used The BOR Technique To See The Apical Position of First Maxillary Molar To The Basis Of Maxillary Sinus

ABSTRACT

Background. One of the use of the radiographic examine in UPF Oral and Maxillofacial Surgery is to see the apical position of first maxillary molar to the basis of maxillary sinus. After knew the position, it can be decided the best extraction technique to prevent the perforation of maxillary sinus which is one of the complication occurring while the extraction of the tooth. **Purpose.** The purpose of this research is to find the radiographic difference between the using of film holder modification at angulation 0° and 20° superior as an assistive appliance in BOR (Buccal Object Rule) technique to see the first maxillary molar apical position to the basis of maxillary sinus which is applied to the patients at the UPF Dental Radiology RSGMP (Dental Clinic) Faculty of Dentistry Airlangga University Surabaya. **Method.** This research's done to the patients have a complete tooth stucture. The X-ray exposes twice to each patients, first exposition done at the angulation 0° (parallel position) and the second at 20° superior. Radiographics are examined and evaluated, then it's analysed. **Results.** Radiographics of the first maxillary molar apical position are looked superimposed to the basis of maxillary sinus through the using of angulation 0° . But radiographics of the first maxillary molar apical position aren't looked superimposed to the basis of maxillary sinus through the using of angulation 20° superior. **Conclusion.** Based to the results, decide that there is a radiographic difference between the using of film holder modification at angulation 0° and 20° superior as an assistive appliance in BOR (Buccal Object Rule) technique to see the first maxillary molar apical position to the basis of maxillary sinus. The better radiographic's shown through the using of angulation 20° superior.

Key words : Film holder modification, BOR (Buccal Object Rule) technique.