MODIFIKASI FILM HOLDER UNTUK PEMBUATAN RADIOGRAFIK TEKNIK SLOB PADA TRIFURKASI GIGI MOLAR PERTAMA RAHANG ATAS

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ABSTRACT

Background. Parallel technique is the most possible radiography examination to detect furcation involvement. But the lack of this technic is the trifurcation area often superimposed with the roots of the tooth which can lead into false diagnose. The SLOB technique which is the modification from the parallel technique could create the radiographic image that not superimposed at the trifurcation maxillary first molar. The SLOB technique is done by changing the horizontal angulation 20˚ to the mesial and distal. To get the exact angulation changing, writer create a tool to modify the film holder which is used in this research. Purpose. To see the difference of the radiographic image in the trifurcation area of the maxillary first molar which made by SLOB technique by using the modification from the film holder with mesial angulation 20˚ and distal angulation 20˚ as well as parallel technique (control) in UPF Radiologi Kedokteran Gigi RSGMP Fakultas Kedokteran Gigi Universitas Airlangga Surabaya. Method. This in an observational analytic reserach with 24 samples. Each sample get 3 times of exposure, by the SLOB technique horizontal angulation 20˚ to mesial and 20˚ to distal, and the parallel technique (control). Result. There was a significance difference in the radiographic images from the trifurcation maxillary first molar which is made by SLOB technique using the film holder modification with angulation 20˚ mesial and distal 20˚, and parallel technique (control). Conclusion. The radiographic image at the trifurcation of maxillary first molar which is not superimposed is done by the SLOB technique with horizontal angulation distal 20˚.

Keywords: SLOB technique, trifurcation, film holder modification