ABSTRACT

Background. Endodontic therapy needs radiographic examination as it’s supporting examination. Periapical lesions often found in radiographic examination. Successful endodontic therapy may shown that periapical lesions became smaller or even disappear.

Purpose. The purpose of this study was to investigate the difference of periapical lesions diameter in radiographic examination after endodontic therapy was done. Method. The study was done by calling over patients of RSGMP FKG UNAIR with diagnose of pulp nekrose with periapical lesions who has completed his endodontic therapy for about 3-24 months, then paralleling radiographic evaluation carried out on the tooth with endodontic therapy. The results of radiographic evaluation were compared with the results of radiographic evaluation before endodontic therapy carried out. The lesion’s diameter was measured with millimeter block paper that copied to transparent plastic sheet. Results. The result of this study showed that there were significant difference diameter in radiographic evaluation. Conclusion. The conclusion of this research was periapical lesions became smaller or disappear about 3 months after endodontic therapy.

Key words: Radiographic evaluation, endodontic therapy, periapical lesions