

Clinical Medicine

Poster

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Success rate of endodontically treated patients attending polyclinic, Kulliyah of Dentistry, International Islamic University Malaysia

Nazih Shaban Mustafa | Muhannad Ali Kashmoola | Omar Abdul Jabbar

Department of Oral Medicine and Oral Pathology, Kulliyah of Dentistry, International Islamic University Malaysia

Introduction: The aim of this study is to determine the success rate of the endodontically treated teeth in patients attending the Polyclinic, Kulliyah of Dentistry IIUM from 2012 to 2015. **Methods:** A retrospective study involved endodontically treated teeth of patients attending the Polyclinic, Kulliyah of Dentistry IIUM from 2012 to 2015. Clinical and radiographic data were recorded and classified as successful or failed, and further analyzed by Fisher's exact test to measure the correlation between the variables by using SPSS software version 16.0. Kappa test was used to measure the overall relationship between clinical and radiographic findings. **Results:** The overall success rate of the endodontically treated teeth is 85% (n= 51). Correlation between the variables showed no significant ($p > 0.05$) in the success rate among age groups, between gender, diagnosis and race at the time of treatment, between upper and lower arches, and between anterior and posterior tooth. Correlation between the variable of post-endodontic fixed restorations showed statistically significant in the success rate ($p < 0.05$). **Conclusions:** High success rate 85% among patients with no signs and symptoms and with no radiographic changes of post-endodontic fixed restorations. Age, gender and race have no significant relations on the success rate of endodontically treated teeth.

KEYWORDS: Endodontic, Success rate, restoration, anterior teeth