European Journal of Dentistry
Volume 12, Issue 4, October-December 2018, Pages 540-545

Assessment of the success rate of endodontically treated patients attending outpatient polyclinic (Article)

Mustafa, N.S.[a], Kashmoola, M.A.[a], Majeed, K.R.A.[b], Qader, O.A.J.A.[a]

[a]Department of Oral Maxillofacial Surgery and Oral Diagnosis, Kulliyyah of Dentistry, International Islamic University Malaysia, Kuantan, Malaysia
[b]Department of Medical Internal Security Force, Doha, Qatar

Abstract

View references (23)

Objectives: The aim of this study is to determine the success rate of the endodontically treated teeth in patients attending the Polyclinic , Kulliyyah of Dentistry, International Islamic University Malaysia (IIUM), from 2012 to 2015. Materials and Methods: A retrospective study involved endodontically treated teeth of patients attending the Polyclinic , Kulliyyah 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 using SPSS software version 16.0. Kappa test was used to measure the overall relationship between clinical and radiographic findings. Results: A total of sixty teeth were evaluated clinically and radiographically, the overall success rate was 85% (n = 51). Correlation between the variables showed nonsignificant (P > 0.05) in the success rate among age, gender, and race, upper and lower arches and between anterior and posterior teeth at the time of treatment. At postendodontic fixed restorations, the variables showed statistically significant relationship with the success rate (P < 0.05). Conclusions: Patients with no signs and symptoms and with no radiographical changes at the the time of clinical examination ,showed the highest percentage of success rate (85%) of postendodontic fixed restorations. Age, gender, and race have no significant relations with the success rate of endodontically treated teeth. © 2018 European Journal of Dentistry | Published by Wolters Kluwer - Medknow.

Author keywords

Anterior teeth endodontic restoration success rate

ISSN: 13057456
Source Type: Journal
Original language: English
DOI: 10.4103/ejd.ejd_377_17
Document Type: Article
Publisher: Wolters Kluwer Medknow Publications

References (23)

View in search results format >

All Export Print E-mail Save to PDF Create bibliography

1 Estrela, C., Pécora, J.D., Estrela, C.R.A., Guedes, O.A., Silva, B.S.F., Soares, C.J., Sousa-Neto, M.D.
Common operative procedural errors and clinical factors associated with root canal treatment (Open Access)

(2017) *Brazilian Dental Journal*, 28 (2), pp. 179-190. Cited 4 times.
http://www.scielo.br/pdf/bdj/v28n2/1806-4760-bdj-28-02-00179.pdf
doi: 10.1590/0103-6440201702451

View at Publisher

2 Estrela, C., Holland, R., de Araújo Estrela, C.R., Alencar, A.H.G., Sousa-Neto, M.D., Pécora, J.D.
Characterization of successful root canal treatment (Open Access)

(2014) *Brazilian Dental Journal*, 25 (1), pp. 3-11. Cited 37 times.
http://www.scielo.br/pdf/bdj/v25n1/0103-6440-bdj-25-01-3.pdf
doi: 10.1590/0103-6440201302356

View at Publisher

3 Silva, E.J.N.L., Nejaim, Y., Silva, A.I.V., Haiter-Neto, F., Zaia, A.A., Cohenca, N.
Evaluation of root canal configuration of maxillary molars in a Brazilian population using cone-beam computed tomographic imaging: An in vivo study

(2014) *Journal of Endodontics*, 40 (2), pp. 173-176. Cited 47 times.
doi: 10.1016/j.joen.2013.10.002

View at Publisher

4 Ørstavik, D., Kerekes, K., Eriksen, H.M.
The periapical index: A scoring system for radiographic assessment of apical periodontitis

(1986) *Dental Traumatology*, 2 (1), pp. 20-34. Cited 389 times.
doi: 10.1111/j.1600-9657.1986.tb00119.x

View at Publisher

5 Goldman, M., Pearson, A.H., Darzenta, N.
Reliability of radiographic interpretations

(1974) *Oral Surgery, Oral Medicine, Oral Pathology*, 38 (2), pp. 287-293. Cited 138 times.
doi: 10.1016/0030-4220(74)90070-X

View at Publisher

6 Chugal, N., Mallya, S.M., Kahler, B., Lin, L.M.
Endodontic Treatment Outcomes

(2017) *Dental Clinics of North America*, 61 (1), pp. 59-80. Cited 3 times.
http://www.sciencedirect.com/science/journal/00118532
doi: 10.1016/j.cden.2016.08.009

View at Publisher

7 Imura, N., Pinheiro, E.T., Gomes, B.P.F.A., Zaia, A.A., Ferraz, C.C.R., Souza-Filho, F.J.
The Outcome of Endodontic Treatment: A Retrospective Study of 2000 Cases Performed by a Specialist

(2007) *Journal of Endodontics*, 33 (11), pp. 1278-1282. Cited 88 times.
doi: 10.1016/j.joen.2007.07.018

View at Publisher

8 Friedman, S., Mor, C.
The success of endodontic therapy--healing and functionality.

(2004) *Journal of the California Dental Association*, 32 (6), pp. 493-503. Cited 122 times.

9 Swartz, D.B., Skidmore, A.E., Griffin Jr., J.A.
Twenty years of endodontic success and failure

(1983) *Journal of Endodontics*, 9 (5), pp. 198-202. Cited 144 times.
doi: 10.1016/S0099-2399(83)80092-2

View at Publisher

10 Barbakow, F.H., Cleaton-Jones, P., Friedman, D.
An evaluation of 566 cases of root canal therapy in general dental practice 2. Postoperative observations

(1980) *Journal of Endodontics*, 6 (3), pp. 485-489. Cited 44 times.
doi: 10.1016/S0099-2399(80)80006-9

View at Publisher

11 Salehrabi, R., Rotstein, I.
Endodontic treatment outcomes in a large patient population in the USA: An epidemiological study

(2004) *Journal of Endodontics*, 30 (12), pp. 846-850. Cited 219 times.
http://www.elsevier.com/wps/find/journaldescription.cws_home/707230/description#description
doi: 10.1097/01.don.0000145031.04236.ca

View at Publisher

12 Travassos, R.M., Caldas, A.F., de Albuquerque, D.S.
Cohort study of endodontic therapy success. (Open Access)

(2003) *Brazilian dental journal*, 14 (2), pp. 109-113. Cited 6 times.
doi: 10.1590/S0103-64402003000200007

View at Publisher

13 Eriksen, H.M., Kirkevang, L.L., Petersson, K.
Endodontic epidemiology and treatment outcome: General considerations
(2002) *Endod Top*, 2, pp. 1-9. Cited 82 times.

14 Sjögren, U., Hägglund, B., Sundqvist, G., Wing, K.
Factors affecting the long-term results of endodontic treatment

(1990) *Journal of Endodontics*, 16 (10), pp. 498-504. Cited 798 times.
doi: 10.1016/S0099-2399(07)80180-4

View at Publisher

15 Liang, Y.-H., Li, G., Wesselink, P.R., Wu, M.-K.
Endodontic outcome predictors identified with periapical radiographs and cone-beam computed tomography scans

(2011) *Journal of Endodontics*, 37 (3), pp. 326-331. Cited 83 times.
doi: 10.1016/j.joen.2010.11.032

View at Publisher

16 Siqueira Jr., J.F., Sen, B.H.
Fungi in endodontic infections

(2004) *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology, and Endodontics*, 97 (5), pp. 632-641. Cited 86 times.
doi: 10.1016/j.tripleo.2003.12.022

View at Publisher

17 Dammaschke, T., Steven, D., Kaup, M., Ott, K.H.R.
Long-term survival of root-canal-treated teeth: A retrospective study over 10 years

(2003) *Journal of Endodontics*, 29 (10), pp. 638-643. Cited 63 times.
http://www.elsevier.com/wps/find/journaldescription.cws_home/707230/description#description
doi: 10.1097/00004770-200310000-00006

View at Publisher

18 Stavropoulou, A.F., Koidis, P.T.
A systematic review of single crowns on endodontically treated teeth

(2007) *Journal of Dentistry*, 35 (10), pp. 761-767. Cited 36 times.
doi: 10.1016/j.jdent.2007.07.004

View at Publisher

19 Nagasiri, R., Chitmongkolsuk, S.
Long-term survival of endodontically treated molars without crown coverage: A retrospective cohort study

(2005) *Journal of Prosthetic Dentistry*, 93 (2), pp. 164-170. Cited 85 times.
doi: 10.1016/j.prosdent.2004.11.001

View at Publisher

20 Aquilino, S.A., Caplan, D.J.
Relationship between crown placement and the survival of endodontically treated teeth

(2002) *Journal of Prosthetic Dentistry*, 87 (3), pp. 256-263. Cited 178 times.
http://www.sciencedirect.com/science/journal/00223913
doi: 10.1067/mpr.2002.122014

View at Publisher

21 Peak, J.D.
The outcome of root canal treatment. A retrospective study within the armed forces (Royal Air Force)

(2001) *British Dental Journal*, 190 (3), pp. 140-144. Cited 56 times.
http://www.bdj.co.uk
doi: 10.1038/sj.bdj.4800907a

View at Publisher

22 Bender, I.B., Seltzer, S., Soltanoff, W.
Endodontic success-A reappraisal of criteria. Part I

(1966) *Oral Surgery, Oral Medicine, Oral Pathology*, 22 (6), pp. 780-789. Cited 68 times.
doi: 10.1016/0030-4220(66)90368-9

View at Publisher

23 Dugas, N.N., Lawrence, H.P., Teplitsky, P.E., Pharoah, M.J., Friedman, S.
Periapical health and treatment quality assessment of root-filled teeth in two Canadian populations

(2003) *International Endodontic Journal*, 36 (3), pp. 181-192. Cited 143 times.
doi: 10.1046/j.1365-2591.2003.00640.x

View at Publisher

Mustafa, N.S.; Department of Oral Maxillofacial Surgery and Oral Diagnosis, Kulliyyah of Dentistry, International Islamic University Malaysia, Kuantan, Malaysia; email:drnazih@iium.edu.my

Back to results | 1 of 1

Top of page

About Scopus

What is Scopus
Content coverage
Scopus blog
Scopus API
Privacy matters

Language

日本語に切り替える
切换到简体中文
切換到繁體中文
Русский язык

Customer Service

Help
Contact us