

Documents

Husain, J.^a, Mohd, F.N.^b, Said, A.H.^c, Yaacob, M.^d

Oral health related quality of life among adults attending periodontal clinic at IIUM Kuantan
(2020) *Journal of International Dental and Medical Research*, 13 (1), pp. 252-257. Cited 3 times.

^a Restorative Department, Kulliyah of Dentistry, International Islamic University of Malaysia, Malaysia

^b Special Care Dentistry Specialist, Oral Maxillofacial and Oral Diagnostic Department, Kulliyah of Dentistry, International Islamic University of Malaysia, Malaysia

^c Family Medicine Specialist, Family Medicine Department, Kulliyah of Medicine, International Islamic University of Malaysia, Malaysia

^d Restorative Department, Kulliyah of Dentistry, International Islamic University of Malaysia, Malaysia

Abstract

There was lack of local study assessing the oral health related quality of life (OHRQOL) of patients with periodontal diseases. Hence, this study aims to assess the OHRQOL and its associated factors in adult patients who were diagnosed with gingivitis and periodontitis. This was a cross sectional study conducted from May to December 2018 among 100 participants attended Periodontal Clinic, Kulliyah of Dentistry of International Islamic University of Malaysia (IIUM) using purposive sampling methods. Clinical parameters of participants were recorded by a single examiner then followed by a self-administered questionnaire using the validated short version of Oral Health Impact Profile(S-OHIP) (Malay) to assess the OHRQOL and its associated factors. The OHRQOL of participants were reported using mean and standard deviation. The factors associated with OHRQOL were determined using independent t-test and Spearman correlation test. The mean score for S-OHIP was 14.73 ± 9.24 . Participants with periodontitis have higher S-OHIP score compared to those with gingivitis. There were significant association between OHRQOL and underlying diabetes mellitus, self-perceived oral health status and self-perceived oral health satisfaction with p value < 0.05. This shows that those with underlying diabetes mellitus have higher S-OHIP score indicated poorer OHRQOL. Meanwhile, those who perceived they have either good or very good oral hygiene and satisfied with their oral health have lower S-OHIP score indicated better OHRQOL. This study found that periodontal diseases have significant association with the OHRQOL. Therefore, reinforcement of oral health education by the dentists is crucial. © 2019 University of Dicle.

Author Keywords

Diabetes; Gingivitis; Oral health related quality of life (OHRQOL); Periodontitis

References

- Ng, S.K., Leung, W.K.
Oral Health-Related Quality Of Life And Periodontal Status
(2006) *Community Dent Oral Epidemiol*, 34 (2), pp. 114-122.
- Soskolne, W.A., Klinger, A.
The Relationship Between Periodontal Diseases And Diabetes: An Overview
(2001) *Ann Periodontol*, 6 (1), pp. 91-98.
- Preshaw, P.M.
Periodontitis And Diabetes: A Two-Way Relationship
(2012) *Diabetologia*, 55 (1), pp. 21-31.
- (2014) *National Oral Health Survey Of Adults 2010 (Nohsa 2010) - Survey Formats And Instructions For Use*,
- Hujoel, P.P.
Periodontal Disease And Coronary Heart Disease Risk
(2000) *Jama*, 284 (11), pp. 1406-1410.

- Allen, P.F.
Assessment Of Oral Health Related Quality Of Life
(2003) *Health Qual Life Outcomes*, 1, p. 40.
- Locker, D.
Oral Health And Quality Of Life
(2004) *Oral Health Prev Dent*, 2 (1), pp. 247-253.
- Bernabe, E., Marcenes, W.
Periodontal Disease And Quality Of Life In British Adults
(2010) *J Clin Periodontol*, 37 (11), pp. 968-972.
- Slade, G.D., Spencer, A.J.
Development And Evaluation Of The Oral Health Impact Profile
(1994) *Community Dent Health*, 11 (1), pp. 3-11.
- Saub, R., Locker, D.
The Impact Of Oral Conditions On The Quality Of Life Of The Malaysian Adult Population: Preliminary Results
(2006) *Med J Malaysia*, 61 (4), pp. 438-446.
- Saub, R., Locker, D., Allison, P.
Derivation And Validation Of The Short Version Of The Malaysian Oral Health Impact Profile
(2005) *Community Dent Oral Epidemiol*, 33 (5), pp. 378-383.
- Buck, D., Newton, J.T.
(2001) *Non-Clinical Outcome Measures In Dentistry: Publishing Trends 1988-98*, 29 (1), pp. 2-8.
- Araujo, A.C.
Impact Of Periodontal Disease On Quality Of Life
(2010) *Quintessence Int*, 41 (6), pp. E111-E118.
- Abdullah, N.S.
Oral Health Related Quality Of Life And Periodontal Status Of A Selected Malaysian Adult Population: A Pilot Study
(2013) *Annals Od Dental Um*,
- Needleman, I.
Impact Of Oral Health On The Life Quality Of Periodontal Patients
(2004) *J Clin Periodontol*, 31 (6), pp. 454-457.
- Mcgrath, C., Bedi, R.
Population Based Norming Of The Uk Oral Health Related Quality Of Life Measure (Ohqol-Uk)
(2002) *Br Dent J*, 193 (9), pp. 521-524.
Discussion 517
- Tonetti, M.S.
Impact Of The Global Burden Of Periodontal Diseases On Health, Nutrition And Wellbeing Of Mankind: A Call For Global Action
(2017) *J Clin Periodontol*, 44 (5), pp. 456-462.

- Allison, P.
A Cross-Cultural Study Of Oral Health Values
(1999) *J Dent Res*, 78 (2), pp. 643-649.
- Corless, I.B., Nicholas, P.K., Nokes, K.M.
Issues In Cross-Cultural Quality-Of-Life Research
(2001) *J Nurs Scholarsh*, 33 (1), pp. 15-20.
- Abdullah, N.S.
Oral Health Related Quality Of Life And Periodontal Status Of A Selected Malaysian Adult Population: A Pilot Study, 2013 (2), pp. 16-23%V 20.
- Lawrence, H.P.
Oral Health-Related Quality Of Life In A Birth Cohort Of 32-Year Olds
(2008) *Community Dentistry And Oral Epidemiology*, 36 (4), pp. 305-316.
- Mason, J.
How Do Factors At Different Stages Of The Lifecourse Contribute To Oral-Health-Related Quality Of Life In Middle Age For Men And Women
(2006) *J Dent Res*, 85 (3), pp. 257-261.
- Gita, F.
Oral Health Status And Oral Health-Related Quality Of Life In Indonesian Elderly (Analysis Using The Indonesian Version Of The Oral Health Assessment Tool And The Geriatric Oral Health Assessment Index)
(2017) *Journal Of International Dental And Medical Research*, 10, pp. 533-539.
- Ferreira, M.C.
Impact Of Periodontal Disease On Quality Of Life: A Systematic Review
(2017) *J Periodontal Res*, 52 (4), pp. 651-665.
- Salvi, G.E., Carollo-Bittel, B., Lang, N.P.
Effects Of Diabetes Mellitus On Periodontal And Peri-Implant Conditions: Update On Associations And Risks
(2008) *J Clin Periodontol*, 35 (8), pp. 398-409.
- Chavarry, N.G.
The Relationship Between Diabetes Mellitus And Destructive Periodontal Disease: A Meta-Analysis
(2009) *Oral Health Prev Dent*, 7 (2), pp. 107-127.
- Nascimento, G.G.
Does Diabetes Increase The Risk Of Periodontitis? A Systematic Review And Meta-Regression Analysis Of Longitudinal Prospective Studies
(2018) *Acta Diabetol*, 55 (7), pp. 653-667.
- Mealey, B.L., Ocampo, G.L.
(2007) *Diabetes Mellitus And Periodontal Disease*, 44 (1), pp. 127-153.
- Irani, F.C., Wassall, R.R., Preshaw, P.M.
Impact Of Periodontal Status On Oral Health-Related Quality Of Life In Patients With And Without Type 2 Diabetes
(2015) *Journal Of Dentistry*, 43 (5), pp. 506-511.

- Niesten, D., Van Mourik, K., Van Der Sanden, W.
The Impact Of Frailty On Oral Care Behavior Of Older People: A Qualitative Study
(2013) *Bmc Oral Health*, 13 (1), p. 61.
- Irani, F.C., Wassall, R.R., Preshaw, P.M.
Impact Of Periodontal Status On Oral Health-Related Quality Of Life In Patients With And Without Type 2 Diabetes
(2015) *J Dent*, 43 (5), pp. 506-511.
- Gift, H.C., Atchison, K.A., Drury, T.F.
(1998) *Perceptions Of The Natural Dentition In The Context Of Multiple Variables*, 77 (7), pp. 1529-1538.
- Palma, P.V., Caetano, P.L., Leite, I.C.G.
Impact Of Periodontal Diseases On Health-Related Quality Of Life Of Users Of The Brazilian Unified Health System
(2013) *International Journal Of Dentistry*, 2013, pp. 150357-150357.

Correspondence Address

Mohd F.N.; International Islamic University of Malaysia, Kuantan Campus, Malaysia; email: fasha@iiium.edu.my

Publisher: University of Dicle

ISSN: 1309100X

Language of Original Document: English

Abbreviated Source Title: J. Int. Dent. Med. Res.

2-s2.0-85085122504

Document Type: Article

Publication Stage: Final

Source: Scopus

ELSEVIER

Copyright © 2021 Elsevier B.V. All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

 RELX Group™