**ORAL HEALTH RELATED QUALITY OF LIFE OF THE ELDERLY**

**IN NINH KIEU DISTRICT**

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**Abstract** With the aging status, oral health and general health are interrelated in the elderly. Oral health problem and tooth loss have also been linked with increased of poor mental health, affected on quality of life. The study aimed to assess the relationship between quality of life and the oral health status as well as general characteristics of the elderly living in Ninh Kieu district, Can Tho city. *Methods:* A cross-sectional survey was undertaken, following the guidelines of WHO: “Oral health surveys - Basic methods, 1997” and The Vietnamese version of the Oral Health Impact Profile (OHIP-14VN). Data on 188 subjects aged 60 and over, living in Ninh Kieu District, Vietnam for at least one year, and willing to participate in the study and give consent were collected*. Results*: The result of this study showed that physical pain was the most prevalent OHRQOL decreasing (1.5878 ± 1.0439), followed by psychological discomfort (1.258 ± .98719). In contrast, social disability was the least dominant factor that impact on OHRQOL (66284 ± .4574). The elderly those who had more teeth ≥20 teeth had lower OHIP 14 score than those with fewer teeth <20. The table also presented the remaining teeth had a middle, negative monotonic correlation with mean OHIP (r =0.17, n = 188, p <0 .05). *Conclusion:* This finding shows that remaining teeth is the most important oral health related factor that affects quality of life in the elderly. Besides, general health status also comes as the secondary meaningful demographic issue for oral health related factor. Therefore, these factors must be addressed when planning the oral health intervention for this population.

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**Keywords:** tooth loss, missing teeth, oral health status, oral health related quality of life, OHIP-14.

**Reference**

1. Dye BA, Li X, Beltran-Aguilar ED. Selected oral health indicators in the United States, 2005-2008. NCHS Data Brief. 2012 May(96):1-8. PubMed PMID: 23050519. Epub 2012/10/12. eng.

2. Locker D, Clarke M, Payne B. Self-perceived oral health status, psychological well-being, and life satisfaction in an older adult population. J Dent Res. 2000 Apr;79(4):970-5. PubMed PMID: 10831100. Epub 2000/06/01. eng.

3.Gary D. Slade et al. Measuring Oral Health and Quality of Life 2007. Available from: <http://arcpoh.adelaide.edu.au/publications/report/miscellaneous/pdf_files/MeasuringOralHealthAndQualityOfLife.pdf>.

4. Azarpazhooh JV. Does chewing ability relate to oral health-related quality of life. 2012 April 3, 2012.

5. Slade GD, Spencer AJ. Development and evaluation of the Oral Health Impact Profile. Community Dent Health. 1994 Mar;11(1):3-11. PubMed PMID: 8193981. Epub 1994/03/01. eng.

6. Dahl KE, Wang NJ, Holst D, Ohrn K. Oral health-related quality of life among adults 68-77 years old in Nord-Trondelag, Norway. Int J Dent Hyg. 2011 Feb;9(1):87-92. PubMed PMID: 21226856. Epub 2011/01/14. eng.

7. Population and employment [Internet]. Available from: <http://www.gso.gov.vn/default_en.aspx?tabid=491>.

8. Anneloes E. Gerritsen TCN. A Vietnamese version of the 14-item oral health impact profile (OHIP-14VN). Journal of Epidemiology. 2012:28-35.

9. World Health Organization. Oral Health Survey- Basic Methods: 4th ed1997.

10. Nguyen TC, Witter DJ, Bronkhorst EM, Truong NB, Creugers NH. Oral health status of adults in Southern Vietnam - a cross-sectional epidemiological study. BMC Oral Health. 2010;10:2. PubMed PMID: 20226082. Pubmed Central PMCID: 2841650. Epub 2010/03/17. eng.

11. Hobdell M, Petersen PE, Clarkson J, Johnson N. Global goals for oral health 2020. Int Dent J. 2003 Oct;53(5):285-8. PubMed PMID: 14560802. Epub 2003/10/17. eng.

12. Heydecke G TL. Complete dentures and oral health-related quality of life – do coping styles matter? Community Dent Oral Epidemiol 2004;: 297–306. 2001; 32(297–306). Epub 29 March 2004

13. Eusufzai SZ. A study of status and oral health relatedquality of life among elderly in Purbagram village, Naray Angonj district, Bangladesh. Ba

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