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Tine Martina Winarti

Universiti Sains Islam Malaysia, Malaysia

The assessment quality of life for geriatric patient: Pre and post-insertion of complete denture

Quality of Life (QoL) of a patient relates to the satisfaction their denture. Geriatric patient who are well satisfied with their daily lives, usually also satisfied with their complete denture. This study was conducted to assess the QoL pre- and post-complete denture insertion using a validated Malay language version of Geriatric Oral Health Assessment Index (GOHAI) by single interviewer. It focuses on functional limitation, oro-facial pain, psychological and behavioral impact among patient attended USIM Polyclinic. A sample was taken from 22 edentulous patients and the new denture will be prepared by third year dental students. The data comprised of 54.5% male and 45.5% female. The mean age was 64.45 ± 5.63 year. The QoL of geriatric patient pre-insertion was mostly affected in oral function. The highest mean for pre-insertion (baseline data) was in functional limitation with mean score 3.18 (SD=1.71) for the problem in chewing. The lowest baseline mean recorded were 0.59 (SD=1.18) and 0.59 (SD=0.96) for limitation of contact with people and the used of medication to relieve pain, respectively. Overall, QoL for post-insertion within one to two months was improved. The statistical significance with Wilcoxon-Signed-Rank test, pre- and post-insertion were in oral function (3.18 ± 1.71 and 2.09 ± 1.74 , p value=0.03) and psychological impact (2.45 ± 1.26 and 3.50 ± 1.27 , p value=0.01). The highest changes mean score was in psychological impact with score 1.05. As a conclusion, the placement of complete denture in edentulous patient increase QoL among geriatric patients.

Biography

T M Winarti is a Lecturer at the Department of Conservative Dentistry and Prosthodontics, Faculty of Dentistry, Islamic Science University of Malaysia, Malaysia. She is also a Coordinator of Dental Laboratory. She pursued her Master's degree in Prosthodontics from Padjadjaran University. Her major interest relies on the subject of prosthodontics, temporomandibular disorders and geriatric dentistry.

tinemartina@usim.edu.my

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