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ASSESSMENT OF INDEX OF ORTHODONTIC TREATMENT NEED AND ITS PSYCHOSOCIAL IMPACT AMONG UNIVERSITY STUDENTS IN KYAUKSE TOWNSHIP

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ABSTRACT

The aim of this study is to assess Index of Orthodontic Treatment Need and its psychosocial impact among university students in Kyaukse Township. Total number of 277 university students (122 males and 155 females) attending Kyaukse Technological University participated in this study. The study design was cross-sectional analytic study. Mean age was 18.76 ± 2.31 years with minimum 16 years and maximum 30 years. Regarding the socio-demographic characteristics of university students, most of their fathers had completed middle school education (33.2%). Majority of them (63.9%) had experience of dental service utilization. The Dental Health Component of Index of Orthodontic Treatment Need (IOTN-DHC) among university students was assessed using IOTN-DHC ruler. IOTN-DHC has 5 grades. Concerning grading of IOTN-DHC, most of the students (45.9%) were Grade 1. While interviewing about their psychosocial status using PIDAQ questionnaires, mean PIDAQ total scores were 32.91 (13.03) in males and 30.66 (14.38) in females. Among male students, there was significant relationship between total PIDAQ scores and IOTN-DHC grading. (p= 0.015) Relating to subscale of PIDAQ scores, only Social Impact (SI) and Psychological Impact (PI) were significantly associated with IOTN-DHC. (p= 0.005, p= 0.035) There was weak correlation between IOTN-DHC grades and PIDAQ scores among male students. (rho = 0.243) Relatively subscale of PIDAQ scores, there was weak correlation between IOTN-DHC grades and SI and PI. (rho= 0.164, rho= 0.158) Therefore, this finding showed that the psychosocial impact increased with higher in IOTN-DHC grade. The information from this study provide the baseline data for oral health promotion programs particularly for orthodontic treatment need in school children.