Malnutrition and its association with functional, cognitive and psychological status among Palestinian elderly adults in long-term care houses

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Abstract
Older adults often suffer from psychological, funcional and health-related diseases. Literature has documented the relationship between malnutrition with adverse health outcomes. This study aims to examine the relationship between malnutrition with the cognitive, functional and psychological status of elderly adults living in long-term care houses. The study employed a cross-sectional approach in which 99 participants were included from seven nursing homes in six different cities across the West Bank, Palestine. The nutritional status of older adults was assessed using anthropometric measurements and meal patterns. Malnutrition risk was assessed using Mini Nutritional Assessment; the cognitive function using Mini Mental Status Examination; the functional status using the Activity of Daily Living Results: A total of 99 participants (45.5% men and 54.5% women) were included in the final data analysis. The results revealed 47% of the participants were at risk of malnutrition, while 28% were malnourished. Variables that were significantly associated with malnutrition, male gender, higher score of depressive symptoms, and impaired cognitive function, p < .05 using chi square test. However, number of meals and hours of overnight fasting were not associated with being malnourished. Greater dependency level was associated with high risk of malnutrition, p < .05 using One Way ANOVA test. Conclusion: Risk of malnutrition was common among the study sample, and it was associated with impaired cognitive, psychological and functional status. Hence, there is a need to provide older adults living in long-term care houses with health programs to enhance their overall health and decrease the level of dependency. These findings are important to design educational programs targeting the stake-holders in the long-term care facilities to improve the residents' nutritional and functional status.

Keywords
ORAL HEALTH STATUS; NUTRITIONAL STATUS; NURSING HOMES; ELDERLY RESIDENTS; PREVALENCE; PE OPLE; DEPRESSION; IMPAIRMENT; VALIDATION; PRIVACY

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