AWARENESS AND PRACTICES OF SELF-MANAGEMENT AND INFLUENCE FACTORS AMONG INDIVIDUALS WITH TYPE 2 DIABETES IN URBAN COMMUNITY SETTINGS IN ANHUI PROVINCE, CHINA

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Abstract. This study aimed to determine the knowledge of diabetes, practices of self-management (SM), and potential factors influencing patient knowledge and practices of self-management among individuals with type 2 diabetes in urban Anhui Province, China. A cross-sectional study was conducted between October and November, 2009. Three hundred sixty-five subjects with type 2 diabetes were randomly selected from three urban communities in three seperate cities. An interview was conducted to determine subject knowledge regarding diabetes, practices of selfmanagement, and potential factors influencing this knowledge and these practices of self-management. Fewer than half of subjects (45.6%) had a basic knowledge of diabetes and 49.7% practiced adequate self-management. Significant associations were found between subject knowledge of diabetes and their education level (OR 2.096, 95% CI 1.578-2.784) and the length of disease (OR 1.307, 95% CI 1.016-1.681). Those with good self-management were influenced by greater knowledge, (OR 2.057,95% CI 1.228-3.445), strong self-efficacy in diabetes self-management (OR 1.899, CI 1.253-2.878), and household income (OR 0.537, 95% CI 0.419-0.689). Factors found by univariate analysis regarding self-management included: glucose monitoring was influenced by perception of social support (p=0.006), adherence to medication was influenced by attitude toward self-management (p<0.001), physical activity was influenced by knowledge (p < 0.01), attitude (p < 0.01), self-efficacy (p<0.01), and social support (p<0.01). However, there were no factors significantly related to healthy dietary practices. Our findings show that best performance in self-management is achieved when those with type 2 diabetes have a high degree of knowledge of diabetes, positive attitudes toward diabetes, strong self-efficacy for self-management and perceptions of good social support.

Keywords: type 2 diabetes, awareness, practices, influence factors, China

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