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**Title:** Application of Health Belief Model in Change of Self Care Behaviors of Patients with Coronary Artery Disease

**Authors:** Nayele Ezati, M.Sc. Academic Staff Member of Medical Faculty Department (Nursing Group) at Islamic Azad University-Tabriz Branch.

**Abstract: Abstract**

**Introduction:** Coronary artery disease is the most common cardiovascular disorder with the highest rate of mortality, disability and costs. The purpose of this study was to examine the effect of educational intervention focusing on Health Belief Models (HBM's) on self care behaviors of patients with coronary artery disease.

**Materials and Methods:** In this quasi-experimental study, 142 patients with coronary artery disease, who had been admitted in medical and surgical heart wards of Shahid Madani hospital in Tabriz, were conveniently selected. These patients were randomly assigned to either intervention group or control group (71 patients in each group). After determining their education needs using the HBM’s education program was implemented for intervention group. At the initial visit and two month after education, self care behaviors, HBM’s domains and awareness of patients were assessed with using an interview schedule and a questionnaire. Spss software (version 13) were used for data analysis.

**Results:** Independent T test did not show any statistically difference between two groups in the awareness, self care behaviors and HBM’s domains before the educational program. After implementing the program, the same test indicated a statistically significant difference between two groups in HBM’s domains (p<0.05), except in perceived barriers and perceived benefits domains. Also, a statistically significant difference was seen between two groups in self care behavior domains (p<0.05). After education, paired T test and Wilcoxon test indicated a statistically significant difference in mean and median of awareness, perceived susceptibility, perceived severity, self efficacy and self care behaviors in intervention group (p<0.05).

**Conclusion:** Implementing education program based Health Belief Model is useful to predict and change self care behaviors of patients with coronary artery disease.

**Keywords:** Health Belief Model, Self Care Behaviors, Coronary Artery Disease, Education

**Presentation:** Oral