Abstract: Introduction: Coronary artery disease is the most important cause of mortality in most countries including Iran; which leads to significant disability, decrease in the quality of life, and death. Coronary artery disease is one of the important chronic diseases which needs patients be educated through different coping styles. These diseases involve many problems for patients and cost a lot of the society. The aim of this study was to determine applying coping style and factors related to it among cardiac patients after coronary artery bypass surgery and the relationship between coping style with some demographic variables.

Materials and methods: This study is descriptive- cross sectional method. In this study 110 heart patients participated after coronary artery bypass grafting referring to heshmat hospital in Rasht that were selected un randomly and through a goal-oriented or purposive sampling method. The Data was collected through an interview, patients self report and referring to their records. Data collecting tool was a questionnaire in two parts, demographic characteristics and standard jawloviec questionnaire. Data were analyzed by using SPSS version 16 software and descriptive and analytical statistical methods .significant level p≤ 0/05.

Results: Findings showed that the mean and SD value of problem coping style 36.28±9.38 and emotional coping style 78.69±18.27 ,There was statistically significant relationship between problem coping style and some variables such as: age( p= 0.009),literacy level( p= 0.017), and it has not significant relationship with other variables is using this research. Also There is significant relationship between emotional coping style and some variables such as: age( p= 0.012),literacy level( p= 0.002), occupation( p= 0.004), Income level( p= 0.015), duration of infection ( p= 0.018), and it has not significant relationship with other variables is using this research.

Conclusion: With regarding to this study results is need to give patients trainings and emphasized on its doing. Till it effects on patients can increase applying problem coping style and decrease emotional coping style for promotion their health after coronary artery bypass surgery.

Key words; coping style ,cardiac patients, coronary artery bypass surgery

Presentation: Poster