

Effect of Individualized Telephone Counseling on Heart Rate, Blood pressure and Respiration Rate in The Patients Scheduled for Coronary Angiography

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Background and objectivesThe patients scheduled for coronary angiography often experienced anxiety and lack of information about coronary angiography. As a result, patients might show negative physical outcomes such as increased blood pressure, tachycardia or tachypnea. The purpose of the study was to demonstrate the effect of individualized telephone counseling on heart rate, mean arterial pressure, pulse pressure and respiration rate in patients scheduled for coronary angiography.
MethodWe recruited the patients who were scheduled for coronary angiography. Experimental group received individualized telephone counseling by a specialized nurse before admission, while the control group took usual information. The counseling was provided one to three days before admission which took about 10 minutes. A total of 80 patients were enrolled for this study. Forty subjects were assigned to each group respectively.
ResultsThe heart rate was not different between two groups. However, the mean arterial pressure, the pulse pressure and the respiration rate were higher in experimental group than in control group.
Conclusion The results of this study highlighted the effectiveness of individualized telephone counseling program for the patients waiting for elective coronary angiography.