

Comparison between the effects of premedications with placebo for CAG on patient's anxiety, complications and procedure time

Abstract

Introduction: Cardiovascular disease is the main cause of death in the world. One of the methods for diagnosis of coronary artery diseases is angiography. Following cardiac diagnostic procedures such as angiography, several complications in patients would be seen that one of their most common is anxiety. There are different ways to deal with anxiety as an instance drug therapy with benzodiazepins can be motioned. Drug therapy in most centers are often used to soothe patients and avoid complications of angiography. So this study was designed to compare the outcomes of two current methods of premedication, for coronary angiography with placebo, on the level of anxiety, complication and duration of angiography.

Methods and Materials : In this clinical trial , 150 patients under coronary angiography according to the available sampling method were selected and marked as premedication and control groups for the purpose of this research. Data collection tools was a form used to record demographic information, disease-related information, access site, hemodynamic parameters(systolic and diastolic blood pressure , pulse rate , respiratory rate) during 1 hour pre- and during angiography, Spielberger anxiety Inventory , complications and angiography parameters.

In premedication groups, patients were taken drugs including Diazepam+Promethazin and Hydrocortisone or Midazolam. In control group ,patients were taken only routine nursing cares. The data were analyzed statistically using SPSS.

Results: There was no significant difference between control and premedication hemodynamic parameters, patients anxiety level, complications and procedure time.

Conclusion: According to findings , we suggest for not imposing inappropriate therapy with an invasive diagnostic method, as possible pre-drugs are not used before angiography(except in specific cases).

Key words: Premedication, Angiography, Coronary Vesseles, Anxiety, Complication