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# **The Study of Climate Elements on Mortality Myocardial Infarction in Rasht in the Five- year periode 1390-1394**

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**The Study of Climate Elements on Mortality Myocardial Infarction in Rasht in the Five-year periode 1390-1394** Medical geography is a branch of geography that studies effects of natural and climatic factors on human health and disease. In order to, will help to man for identify, control and adapt to climatic and environmental conditions. Seasonal and daily changes of mortality associated with the climatic element temperature. Temperature increase and decrease the incidence of mortality is a major contribution. As the temperature of the human comfort range distance, the number of deaths increase. Temperature deviation the desired thermal range between 18 to 25 °c, is causing stress on the human body. When core body temperature will be much lower profiles. Its chemical reaction stops. In the winter, the body's blood vessels to keep the internal temperature of the body,shrunk and increases the heart's workload and fatigue it. For this reason, exposure to cold weather, increase the risk of heart attacks and also increases mortality. For this reason, the number of myocardial infarction and subsequent death in the winter is higher than summer. The purpose of this research is to analyze the effect of temperature on mortality my ocardial infarction on citizens of Rasht in the periode 1390- 1394. For this purpose, the data on mortality was received the Registrare-General of Gilan and temperature data was obtained the Meterological Administration. Then datas was analyzed by statistical methods and Pearson correlation. The results of this study indicate that there is significantly correlated between monthly temperature with mortality myocardial infarction. The correlation between these two factors is negative and the intensity is moderate.

**Keywords :** Keywords: Mortality due to myocardial infarction, Rasht city, The study

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**climatic elements**

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