

عنوان مقاله:

Monitoring and Analyzing of the Relationship between Climatic Elements and Skin Cancer in the Years ۲۰۱۲-۲۰۱۴

محل انتشار:

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خلاصه مقاله:

Introduction: The present study investigated one of these types of disease (skin cancer) and its relationship with climatic parameters. The aim of this study was to investigate the relationship between climate change and skin cancer in Ardabil province. **Materials and Methods:** This descriptive correlational study was conducted to investigate the effect of six climatic parameters (frost, sunny hours, minimum mean humidity, maximum absolute temperature, minimum absolute temperature, and mean temperature) on skin cancer in Ardabil province in a ۳-year statistical period (۲۰۱۲-۲۰۱۴). The data were analyzed using the Spearman correlation relationship in SPSS version ۲۴ software, also Minitab version ۱۶ software was used for linear interpolation. **Results:** According to the findings, the highest correlation (more than ۹۵%) of skin cancer in three cities of Parsabad, Khalkhal, and Ardabil with the climatic parameter was related to minimum absolute temperature. However, in Khalkhal station in three years of study, sunny hours had the highest correlation and the lowest correlation was related to glacial climate parameter in all four cities. It can be said that the factors of sunny hours and maximum temperature have an effect on the incidence of skin cancer, and the minimum absolute temperature increases the exacerbation of this type of disease. **Conclusion:** According to the results of statistical correlation and the effects of climatic parameters on skin cancer, it can be concluded that climate parameters are one of the effective factors in skin cancer.

کلمات کلیدی:

.Climate, Demography, Skin Cancer, Ardabil Province

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