

P02-215 - INFLUENCE OF CLIMATIC FACTORS ON MORTALITY OF PSYCHIATRIC PATIENTS

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Influence of climatic factors on human's mental health was research in a lot of studies in the world last years. The aim of this study is identifying a relationship between various climatic factors and the mortality of psychiatric patients in Specialized psychiatric hospital «Gornja Toponica» - Nis, Serbia.

Methodology: Data for our study we used from computer database in our Hospital. We analyzed one-year period. Climatic data we used from Meteorological station in Nis: temperature, pressure, moisture, wind, cloudiness and precipitation (rain, snow). We compared climatic factors in days when patients died and climatic factors in days without deaths in our hospital.

Results: There were 108 died psychiatric patients during the year, average 2 per week. In 11 days there were two or three deaths. 270 days were without deaths. Minimum deaths were in spring (April and May: 4 per month), and maximum were in winter (December and January: 12 per month). Average age of died patients were 70 years old. After analyzing of climatic factors we concluded that quickly changes of weather conditions have a large influence on mortality of psychiatric patients, and only value of climatic factors don't have influence on mortality.