

Cas Lek Cesk. 1990 Nov 9;129(45):1425-30.

[The causality of lunar changes on cardiovascular mortality]

[Article in Czech]

J Sitar ¹

Affiliations

PMID: 2249240

Abstract

The author confirmed, based on different ways of processing of 1437 sudden cardiovascular deaths, that the frequency of these deaths changes in the course of the synodic moon with two maxima during the lunar quarters. Processing by the method of transfer of epochs made it possible to shift steadily the mortality curves according to the phase of solar activity. This made the author assume that the cause of the phenomenon of two-phasic change of mortality during lunation cannot be only gravitation (sudden tides) and that in addition the interfering influence of solar corpuscular radiation is involved. It is known that this radiation causes geomagnetic disorders. Consistent with the above view it was proved that in the course of lunation the greatest number of geomagnetic disorders occur at a time close to the lunar quarters. Then, as the author proved--aurora polaris is more frequent. The increased cardiovascular mortality is thus associated with an increased geomagnetic activity. The relationship is certainly not direct. The author indicates further trends of research to disclose the immediate causes which exert an unfavourable effect on our cardiovascular system.