

快报

沈阳市急性心肌梗塞患者死亡与气象条件的关系

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摘要 利用2002-2006年沈阳市逐日急性心肌梗塞死亡病例和同期逐日地面气象资料, 分析气象条件对沈阳市急性心肌梗塞死亡的影响。结果表明: 不同季节急性心肌梗塞患者死亡数与气象因子的相关性存在着明显的差异, 在各个季节中最主要的影响因子是气压和气温, 而春季相对湿度, 夏季降水与死亡数之间也存在着一定的相关关系; 为评价气象要素的综合作用, 应用逐步聚类法, 定性地给出了各个季节高发的天气类型, 在同一季节内, 不同性别高发的天气类型既存在一致性, 也存在着明显的差异, 这种差异可能与男性和女性的生理条件和生活习惯有关。研究结果可为疾病的气象预报预警提供参考。

关键词 [气象条件](#) [急性心肌梗塞](#) [逐步聚类](#) [天气类型](#)

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Relationship between acute myocardial infarction mortality and meteorological factors in Shenyang

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Abstract Based on daily acute myocardial infarction mortality and daily ground meteorological data from 2002 to 2006 in Shenyang, the effects of meteorological factors on acute myocardial infarction mortality were analyzed. The results indicate that correlations between different season's acute myocardial infarction mortality and meteorological factors are different. Pressure and air temperature are the main controlling factors for all seasons. Relative humidity is related with the mortality in spring, so is precipitation in summer. The high mortality weather types are conducted in different seasons qualitatively by stepwise clustering method in order to evaluate the synthetical action of meteorological elements. The high mortality weather types are consistent as well as different for male and female in same season, and the reasons causing the differences of male and female include their physiological conditions and living habits. This study provides the references for meteorological forecasting and warning of diseases.

Key words [Meteorological factors](#) [Acute myocardial infarction](#) [Stepwise clustering](#) [Weather type](#)

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