

综述

大气污染颗粒物与心血管疾病

肖晗, 李子健, 韩启德, 张幼怡[△]

北京大学第三医院血管医学研究所, 分子心血管教育部重点实验室, 北京 100083

收稿日期 2005-1-6 修回日期 2005-2-6 网络版发布日期 2009-9-23 接受日期 2005-2-6

摘要

关键词 [大气污染](#); [颗粒物](#); [心血管疾病](#)

分类号 [R363](#)

Impact of particulate matter in air pollution on cardiovascular diseases

XIAO Han, LI Zi-jian, HAN Qi-de, ZHANG You-yi

Institute of Vascular Medicine, Peking University Third Hospital, The Key Laboratory of Molecular Cardiology, Ministry of Education, Beijing 100083, China

Abstract

Impact of air pollution on cardiovascular diseases has been established. As the main source of city air pollution, particulate matter has been demonstrated an independent correlation with incidence and mortality of cardiovascular diseases. The mechanisms are not clear. Several plausible mechanistic pathways have been described, including inflammation induced by oxidative stress, the followed enhanced coagulation/thrombosis resulted in instability of atherosclerosis, the promotion of ischemic heart diseases and imbalance of autonomic nerve tone resulted in the occurrence of arrhythmia. The article provides a review of the mechanisms on air pollution and cardiovascular diseases and suggestions for further research.

Key words [Air pollution](#) [Particulate matter](#) [Cardiovascular diseases](#)

DOI: 1000-4718

通讯作者 张幼怡 zhangyy@bjmu.edu.cn

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